

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022619\
 Data File : VN053946.D
 Acq On : 26 Feb 2019 11:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 27 02:23:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	694487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1084768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	963225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	454304	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	397804	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
35) Dibromofluoromethane	7.59	113	358176	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.09	98	1337322	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.40	95	449052	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	327493	51.239	ug/l	99
3) Chloromethane	2.06	50	439017	49.519	ug/l	100
4) Vinyl Chloride	2.19	62	437127	49.210	ug/l	99
5) Bromomethane	2.56	94	272662	46.348	ug/l	100
6) Chloroethane	2.70	64	266123	48.172	ug/l	99
7) Trichlorofluoromethane	3.02	101	557437	49.122	ug/l	98
8) Diethyl Ether	3.41	74	209391	49.250	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	360561	50.307	ug/l	94
10) Methyl Iodide	3.95	142	499828	53.074	ug/l	98
11) Tert butyl alcohol	4.77	59	120398	233.290	ug/l	99
12) 1,1-Dichloroethene	3.74	96	333592	48.660	ug/l	93
13) Acrolein	3.60	56	140456	262.866	ug/l	98
14) Allyl chloride	4.32	41	613882	51.054	ug/l	95
15) Acrylonitrile	4.98	53	680574	250.208	ug/l	99
16) Acetone	3.81	43	646565	302.588	ug/l	98
17) Carbon Disulfide	4.05	76	1064367	48.125	ug/l	99
18) Methyl Acetate	4.32	43	287020	50.421	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	924407	50.264	ug/l	100
20) Methylene Chloride	4.55	84	383975	47.655	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	363983	49.054	ug/l	92
22) Diisopropyl ether	5.95	45	1203561	51.884	ug/l	97
23) Vinyl Acetate	5.89	43	4363620	261.488	ug/l	95
24) 1,1-Dichloroethane	5.85	63	699413	49.166	ug/l	98
25) 2-Butanone	6.83	43	844666	264.244	ug/l	95
26) 2,2-Dichloropropane	6.82	77	532641	52.702	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	408890	49.550	ug/l	93
28) Bromochloromethane	7.19	49	323510	49.684	ug/l	83
29) Tetrahydrofuran	7.21	42	530724	249.321	ug/l	92
30) Chloroform	7.37	83	676784	49.064	ug/l	100
31) Cyclohexane	7.65	56	675318	51.890	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	564593	49.641	ug/l	97
36) 1,1-Dichloropropene	7.79	75	532957	52.831	ug/l	97
37) Ethyl Acetate	6.93	43	353270	49.044	ug/l	98
38) Carbon Tetrachloride	7.77	117	502170	47.863	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	651563	53.587	ug/l	94
40) Benzene	8.04	78	1576932	50.884	ug/l	99
41) Methacrylonitrile	7.17	41	200209	43.165	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	486443	50.700	ug/l	97
43) Isopropyl Acetate	8.16	43	597216	49.105	ug/l #	90
44) Trichloroethene	8.83	130	413074	50.277	ug/l	96
45) 1,2-Dichloropropane	9.12	63	422907	50.580	ug/l	99
46) Dibromomethane	9.21	93	242803	50.020	ug/l	92
47) Bromodichloromethane	9.40	83	524757	51.298	ug/l	99
48) Methyl methacrylate	9.20	41	294421	52.630	ug/l	96
49) 1,4-Dioxane	9.20	88	74296	980.559	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	1678947	268.646	ug/l	95
52) Toluene	10.16	92	956882	52.437	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	532990	53.549	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	622352	53.039	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	344893	50.608	ug/l	99
56) Ethyl methacrylate	10.43	69	431724	48.379	ug/l	90
57) 1,3-Dichloropropane	10.71	76	591837	51.398	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1018794	245.163	ug/l	95
59) 2-Hexanone	10.75	43	1110701	273.258	ug/l	95
60) Dibromochloromethane	10.90	129	386046	50.970	ug/l	99
61) 1,2-Dibromoethane	11.00	107	329330	50.095	ug/l	99
64) Tetrachloroethene	10.63	164	406821	49.878	ug/l	97
65) Chlorobenzene	11.43	112	1017715	50.063	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	370781	50.608	ug/l	100
67) Ethyl Benzene	11.51	91	1784143	52.353	ug/l	99
68) m/p-Xylenes	11.62	106	1373414	106.778	ug/l	97
69) o-Xylene	11.95	106	650980	51.509	ug/l	97
70) Styrene	11.96	104	1061703	54.617	ug/l	99
71) Bromoform	12.13	173	258146	50.647	ug/l #	99
73) Isopropylbenzene	12.25	105	1727415	48.846	ug/l	99
74) N-amyl acetate	12.07	43	473559	51.091	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	411502	46.532	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	514525	70.601	ug/l #	100
77) Bromobenzene	12.53	156	429349	47.818	ug/l	91
78) n-propylbenzene	12.59	91	2076291	51.625	ug/l	97
79) 2-Chlorotoluene	12.67	91	1192884	49.374	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1484034	51.259	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	112697	48.875	ug/l	92
82) 4-Chlorotoluene	12.77	91	1213586	50.824	ug/l	97
83) tert-Butylbenzene	12.99	119	1249434	48.794	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1507647	52.161	ug/l	98
85) sec-Butylbenzene	13.17	105	1772946	50.694	ug/l	98
86) p-Isopropyltoluene	13.29	119	1551521	52.477	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	782570	50.383	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	768998	51.031	ug/l	99
89) n-Butylbenzene	13.61	91	1372470	55.082	ug/l	99
90) Hexachloroethane	13.87	117	269853	47.101	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	748737	49.798	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57502	46.011	ug/l	92

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QLast Update : Tue Feb 26 05:37:40 2019
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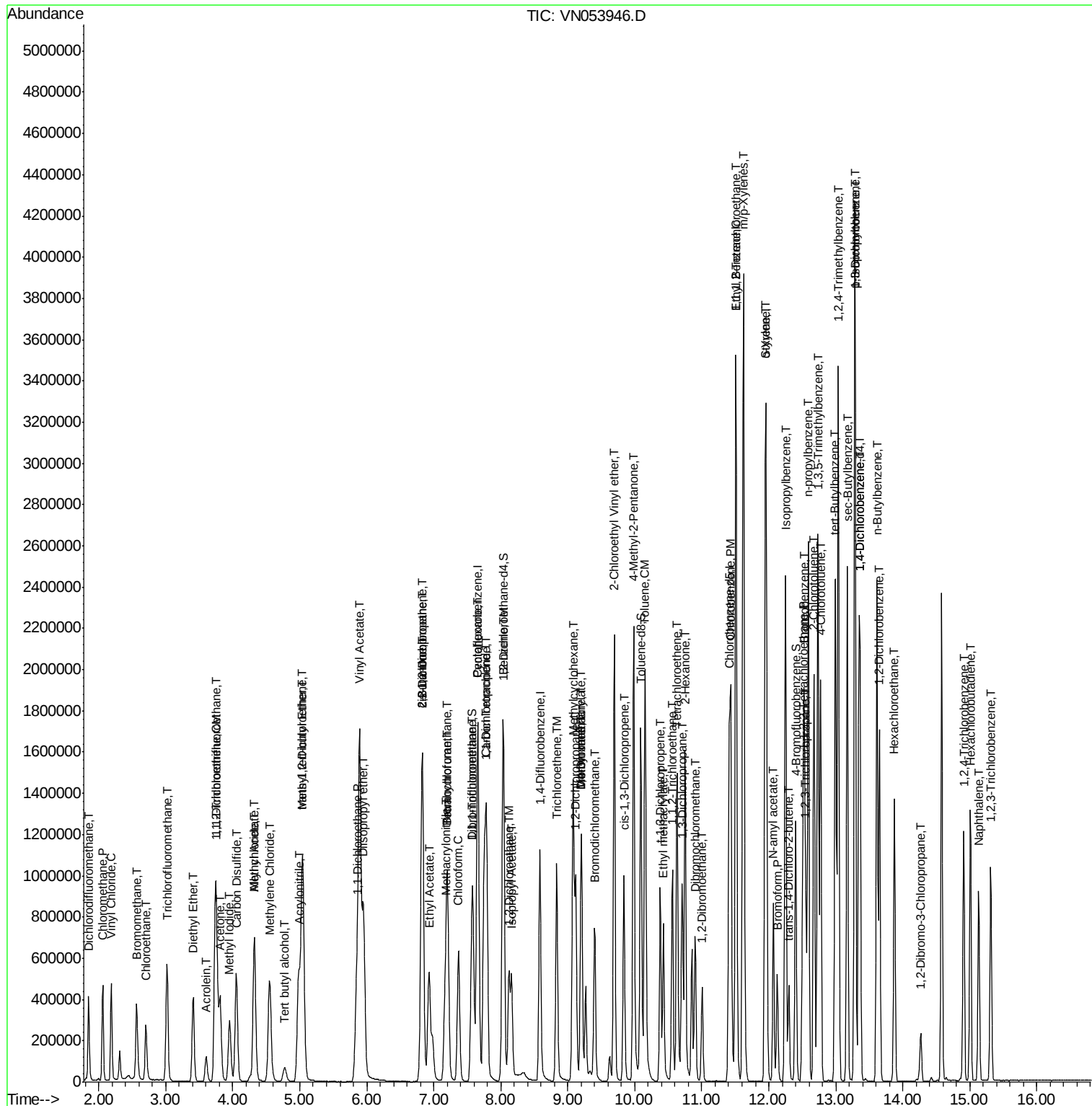
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	410152	49.157	ug/l	97
94) Hexachlorobutadiene	15.01	225	279676	51.494	ug/l	99
95) Naphthalene	15.13	128	798715	44.762	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	385039	48.132	ug/l	99

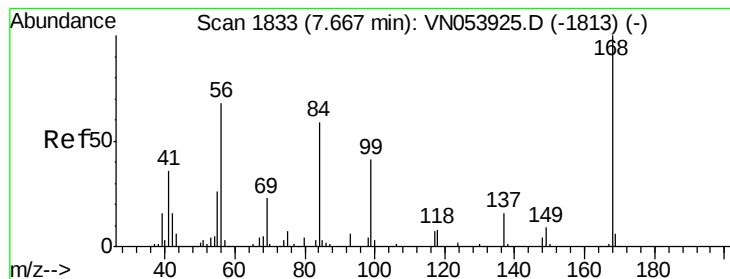
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

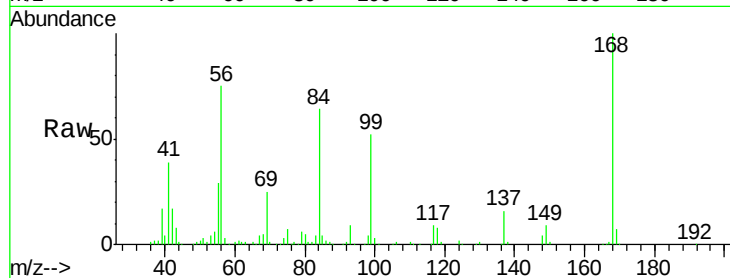
VSTDCCC050

Tot Ion:168 Resp: 694487

Ion Ratio Lower Upper

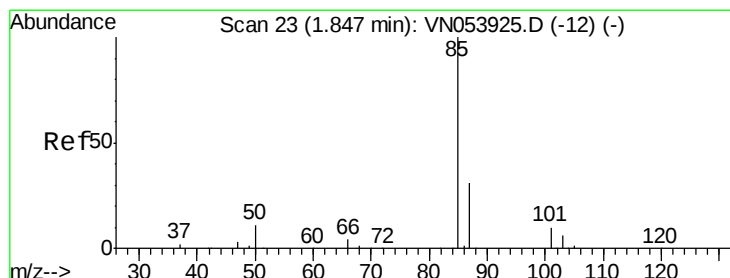
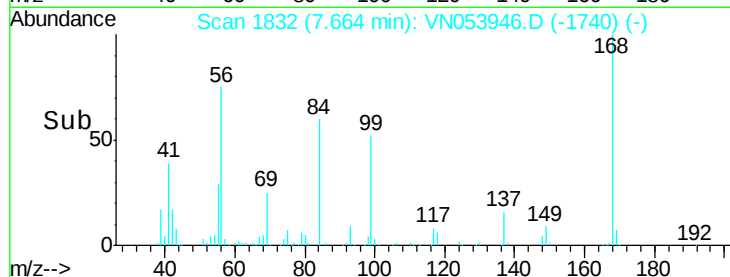
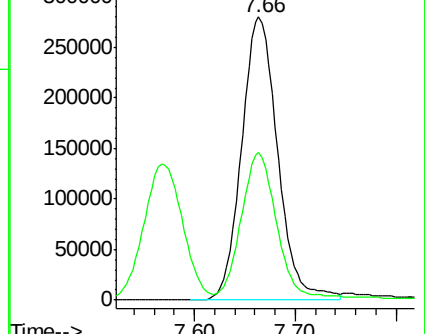
168 100

99 50.9 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.239 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053946.D

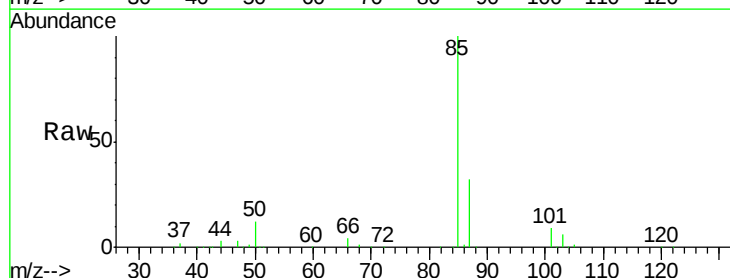
Acq: 26 Feb 2019 11:03

Tgt Ion: 85 Resp: 327493

Ion Ratio Lower Upper

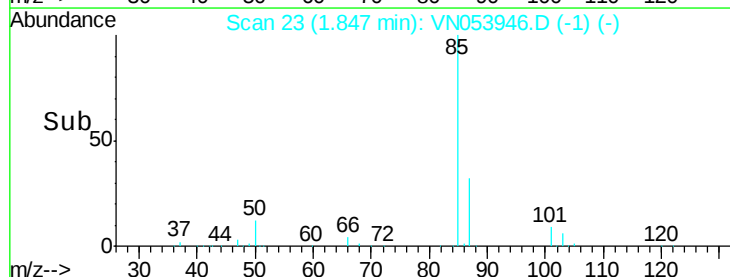
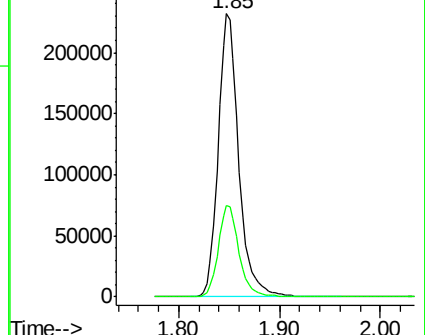
85 100

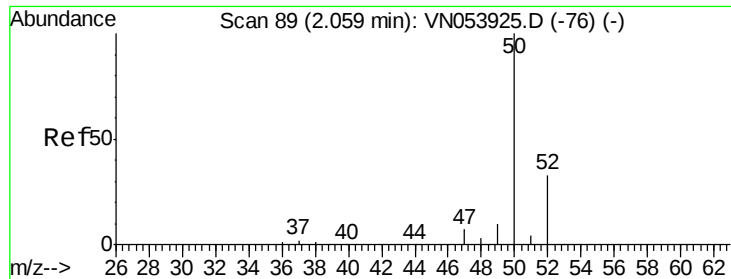
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

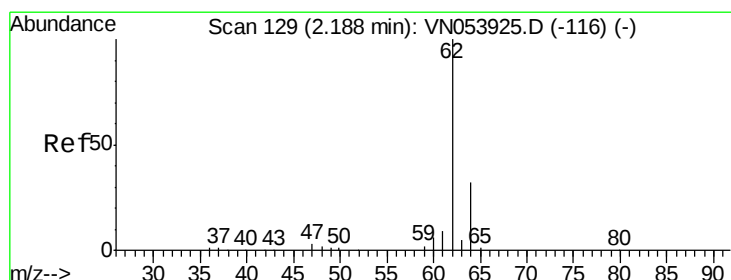
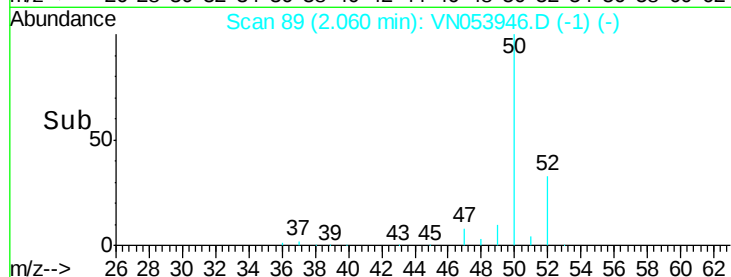
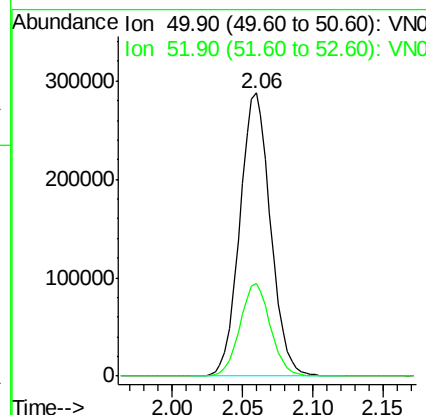
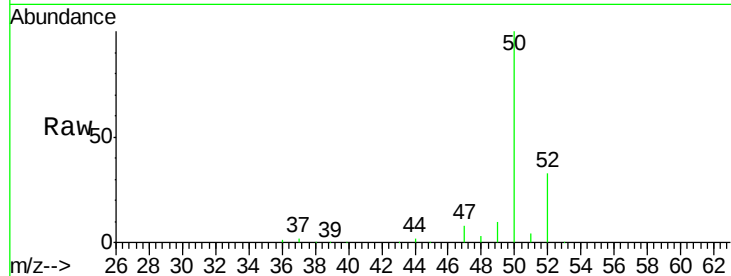




#3
 Chloromethane
 Concen: 49.519 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

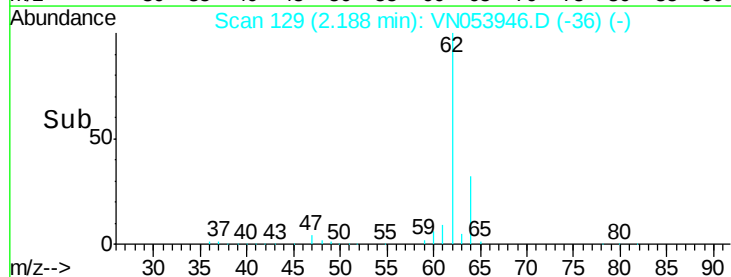
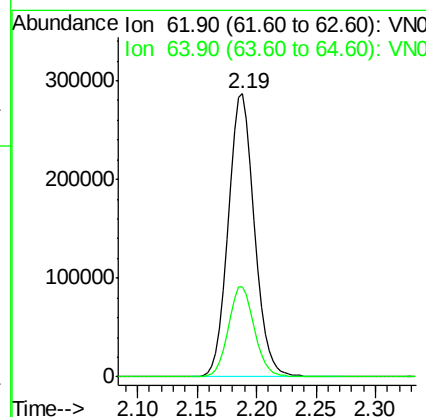
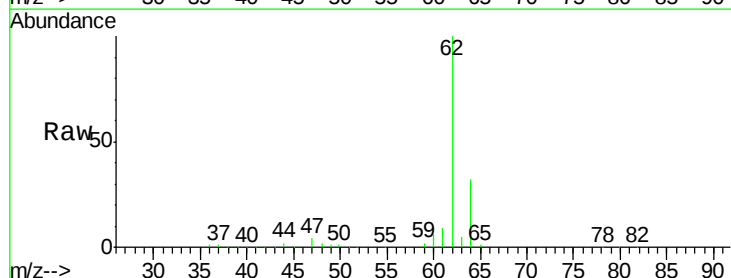
Instrument :
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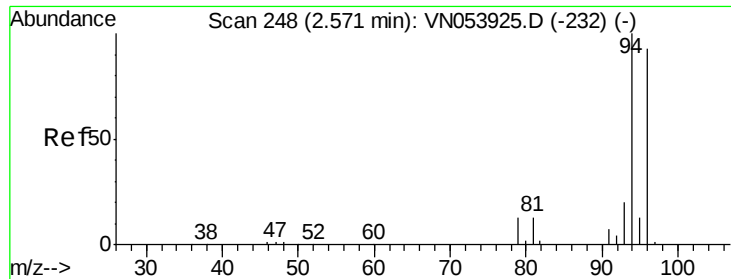
Tot Ion: 50 Resp: 439017
 Ion Ratio Lower Upper
 50 100
 52 32.6 26.0 39.0



#4
 Vinyl Chloride
 Concen: 49.210 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 62 Resp: 437127
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.1 37.7

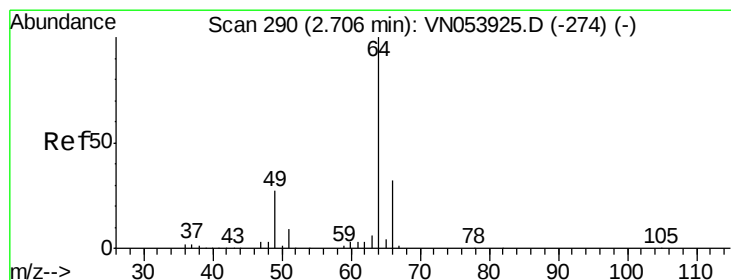
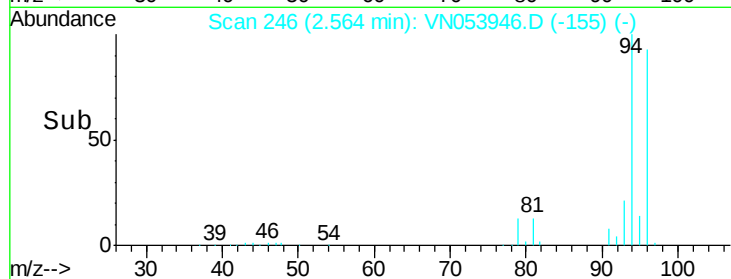
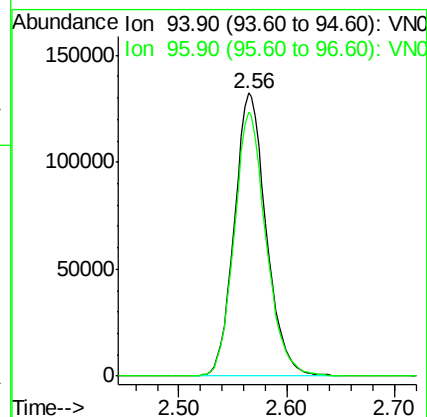
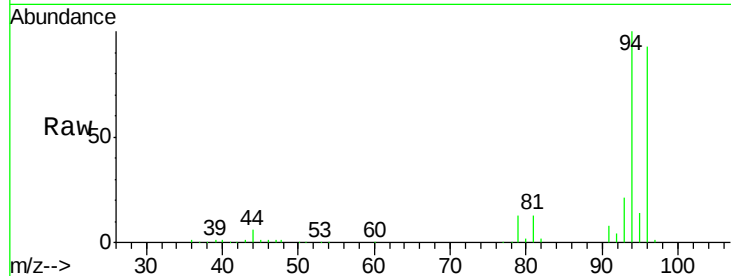




#5
Bromomethane
Concen: 46.348 ug/l
RT: 2.56 min Scan# 246
Delta R.T. -0.01 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

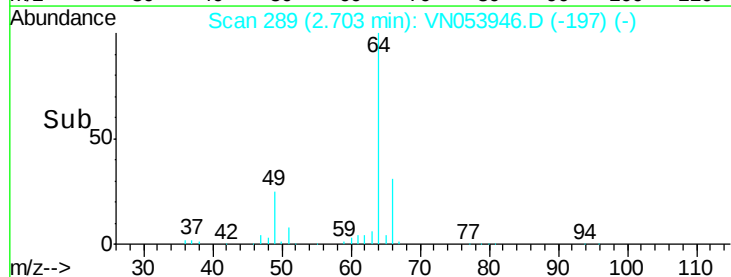
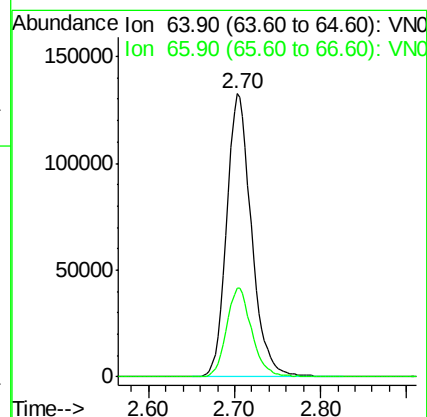
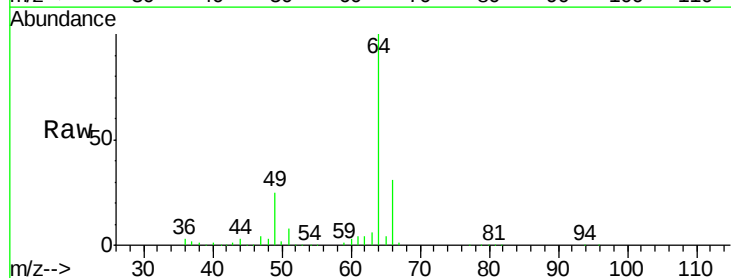
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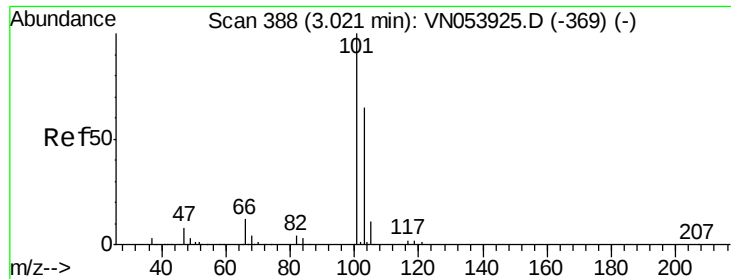
Tot Ion: 94 Resp: 272662
Ion Ratio Lower Upper
94 100
96 93.4 74.9 112.3



#6
Chloroethane
Concen: 48.172 ug/l
RT: 2.70 min Scan# 289
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 64 Resp: 266123
Ion Ratio Lower Upper
64 100
66 31.3 25.5 38.3



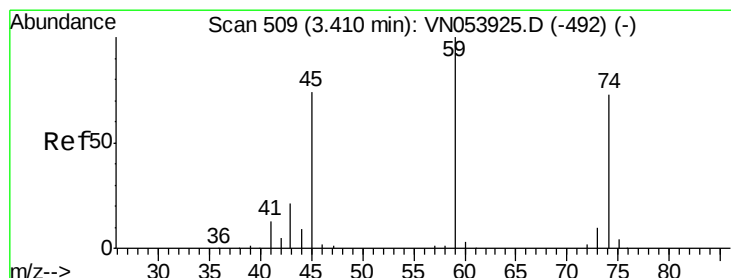
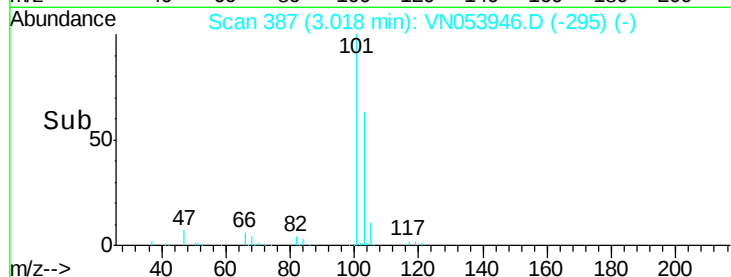
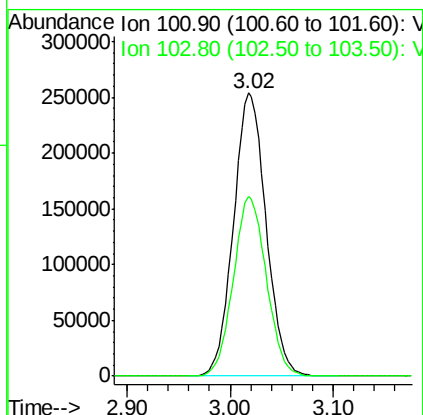
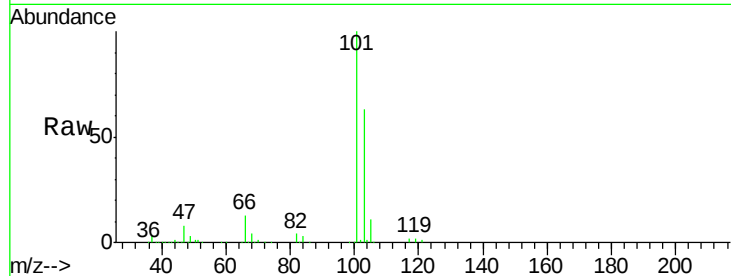


#7

Trichlorofluoromethane
 Concen: 49.122 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

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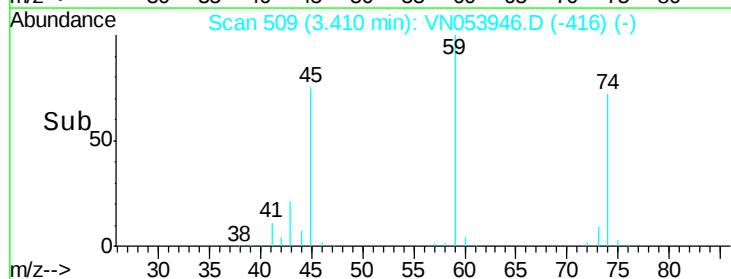
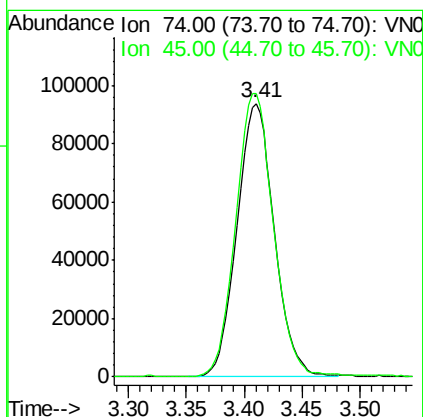
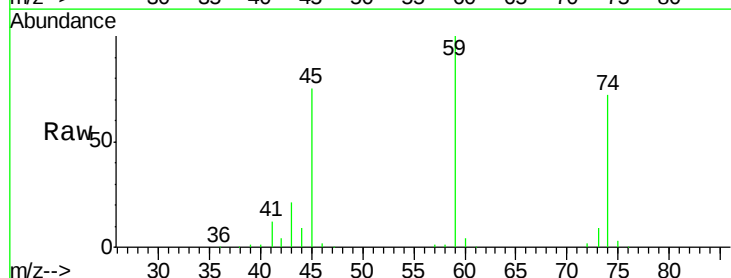
Tot Ion:101 Resp: 557437
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.9 77.9

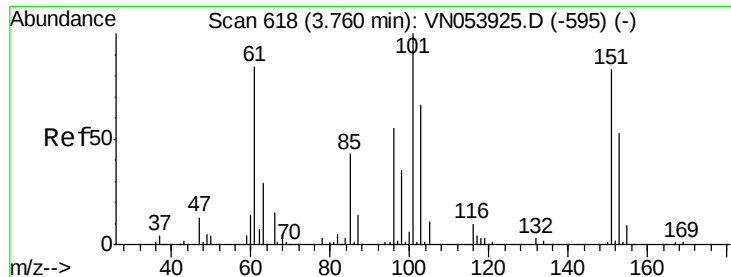


#8

Diethyl Ether
 Concen: 49.250 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 74 Resp: 209391
 Ion Ratio Lower Upper
 74 100
 45 104.2 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.307 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

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ClientSampleId :

VSTDCCC050

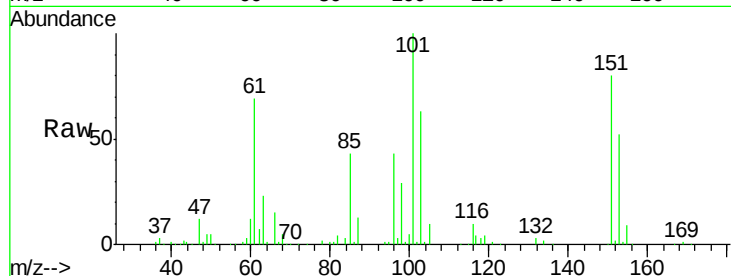
Tot Ion:101 Resp: 360561

Ion Ratio Lower Upper

101 100

85 43.0 32.5 48.7

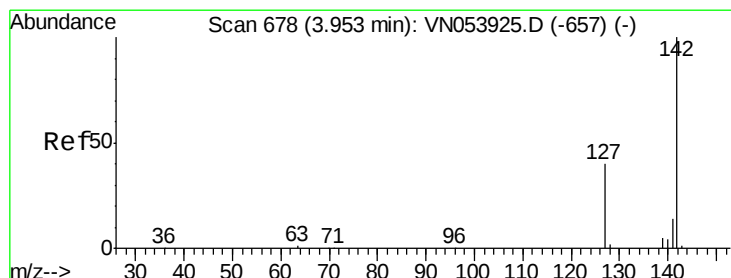
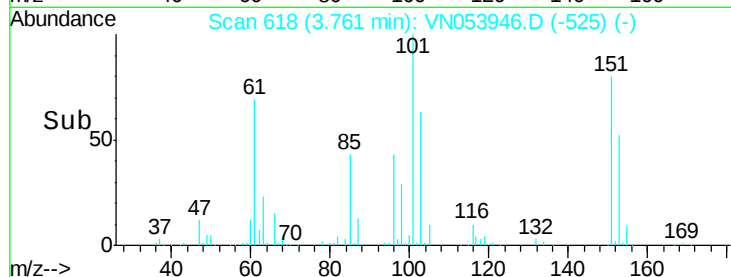
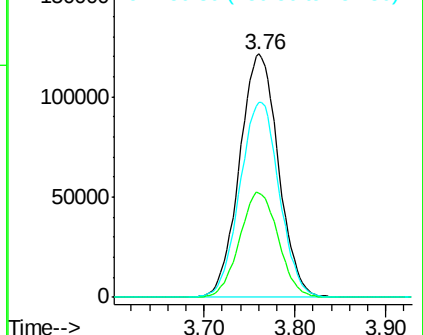
151 81.5 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.074 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

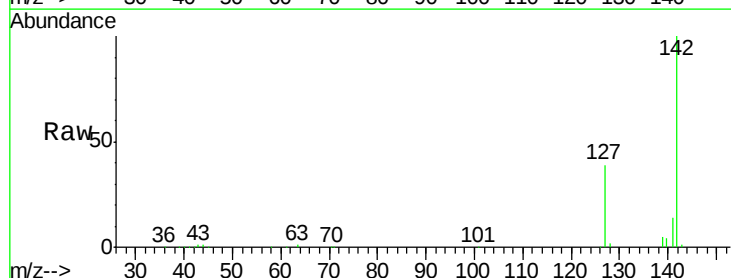
Tgt Ion:142 Resp: 499828

Ion Ratio Lower Upper

142 100

127 40.4 31.0 46.4

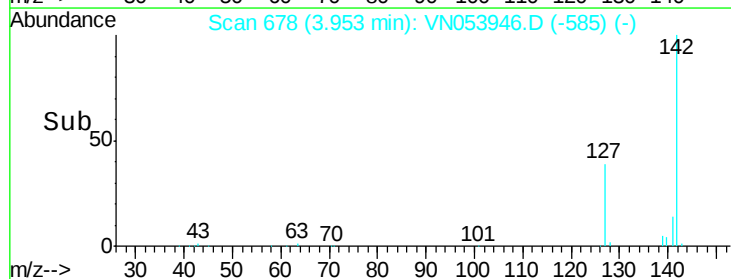
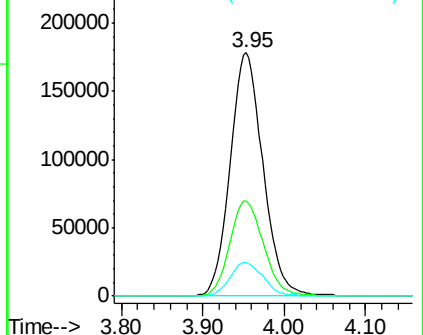
141 14.2 11.3 16.9

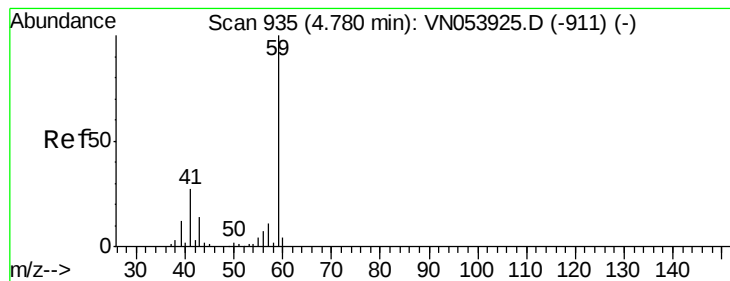


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



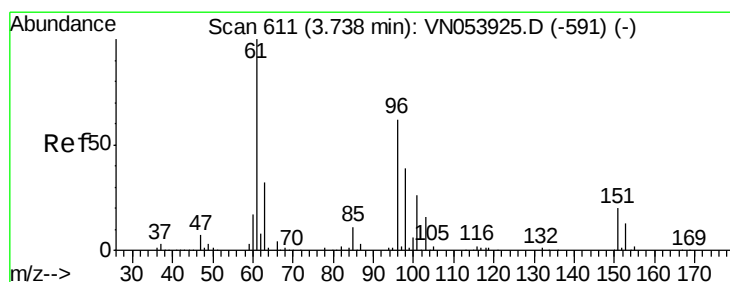
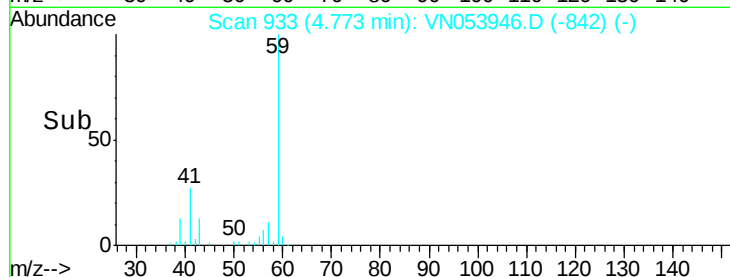
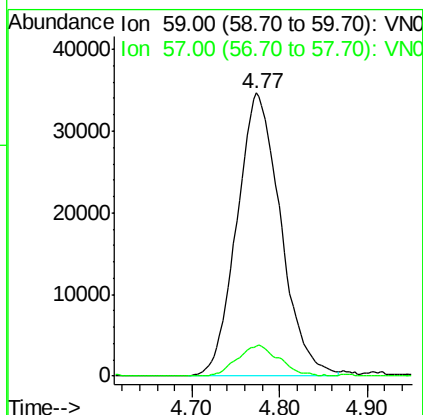
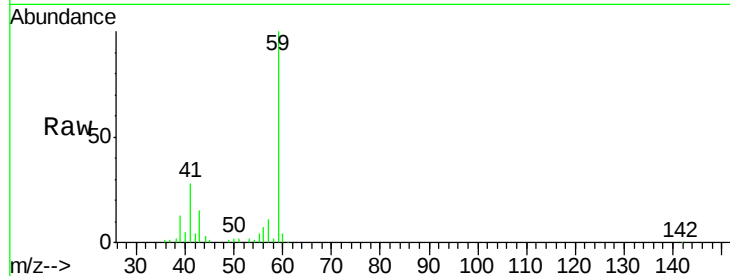


#11

Tert butyl alcohol
 Concen: 233.290 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

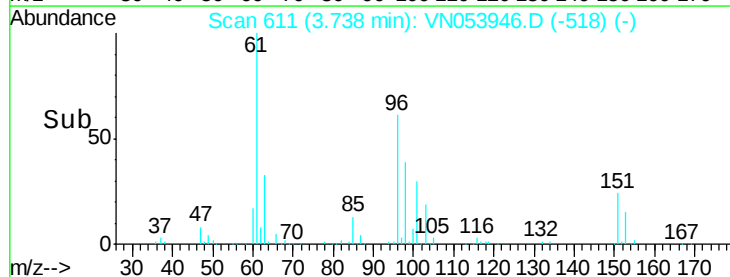
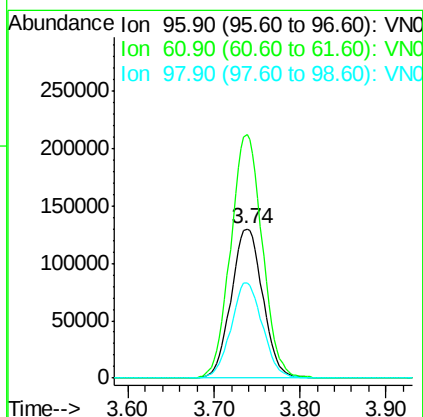
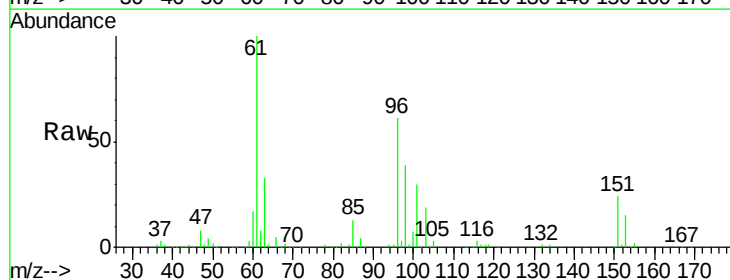
Tot Ion: 59 Resp: 120398
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.1 12.1

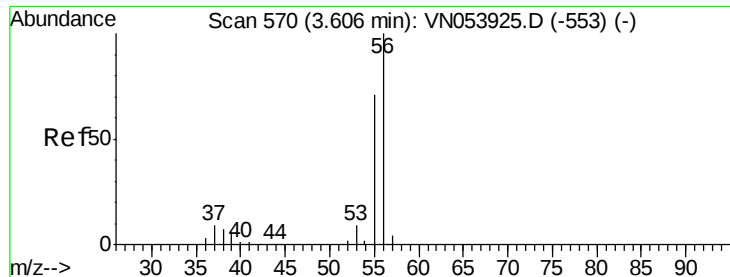


#12

1,1-Dichloroethene
 Concen: 48.660 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 96 Resp: 333592
 Ion Ratio Lower Upper
 96 100
 61 163.1 121.0 181.4
 98 64.2 52.2 78.2





#13

Acrolein

Concen: 262.866 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

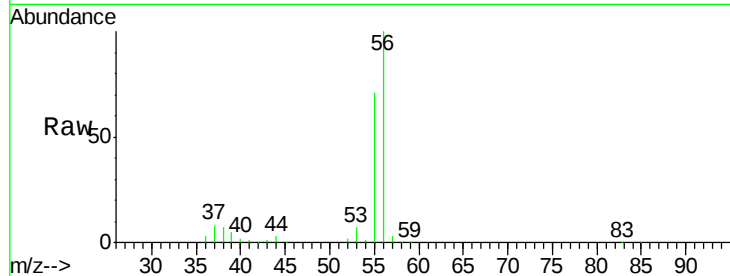
VSTDCCC050

Tot Ion: 56 Resp: 140456

Ion Ratio Lower Upper

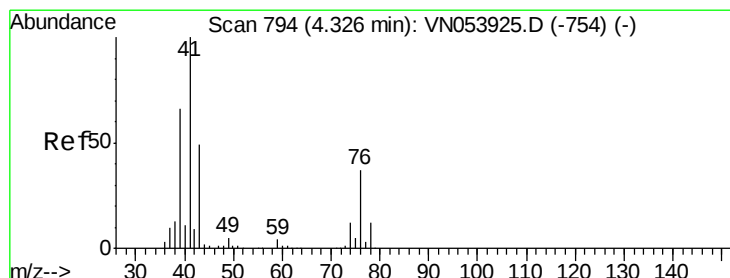
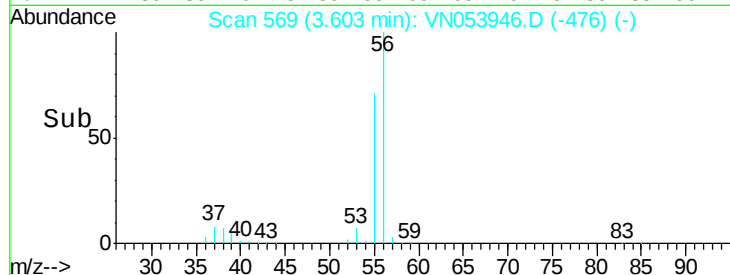
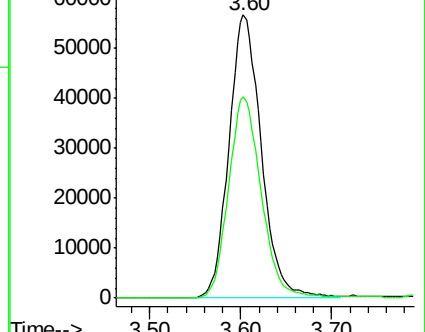
56 100

55 71.7 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN053925.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN053925.D (-553) (-)



#14

Allyl chloride

Concen: 51.054 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

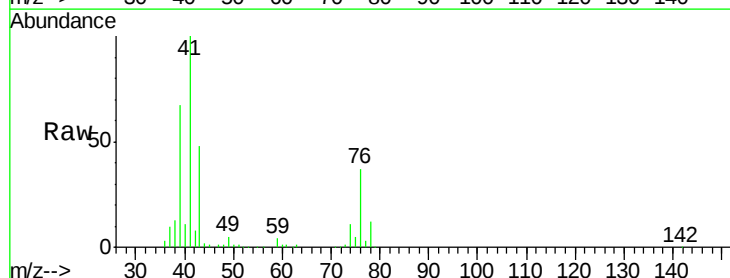
Tgt Ion: 41 Resp: 613882

Ion Ratio Lower Upper

41 100

39 63.4 48.8 73.2

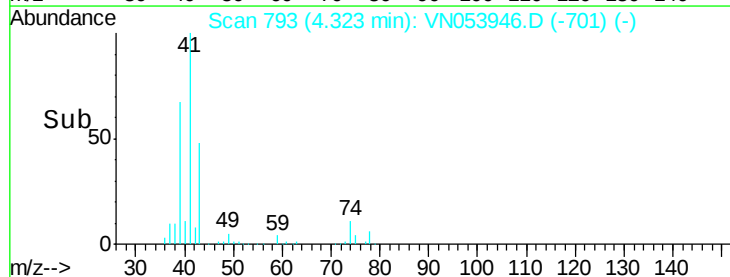
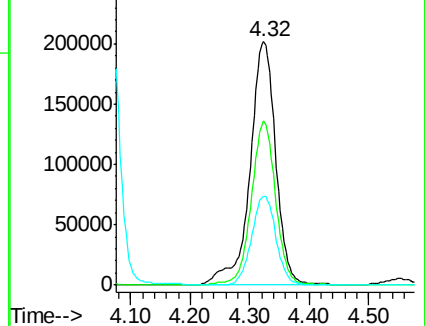
76 34.1 30.9 46.3

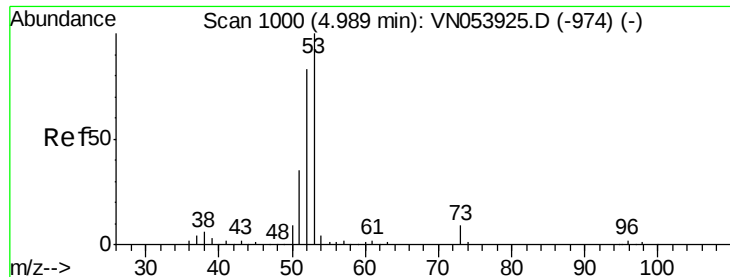


Abundance Ion 41.00 (40.70 to 41.70): VN053925.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN053925.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN053925.D (-754) (-)





#15

Acrylonitrile

Concen: 250.208 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

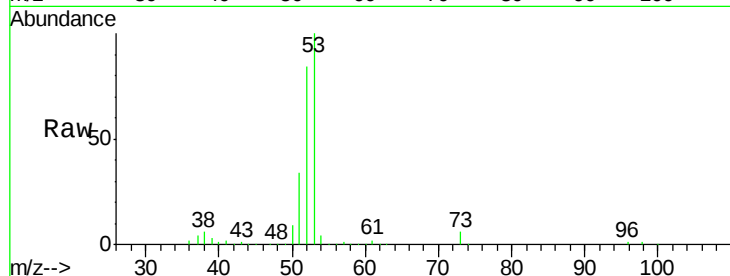
Tot Ion: 53 Resp: 680574

Ion Ratio Lower Upper

53 100

52 82.3 65.1 97.7

51 35.9 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN053925.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053925.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053925.D (-974) (-)

4.98

250000

200000

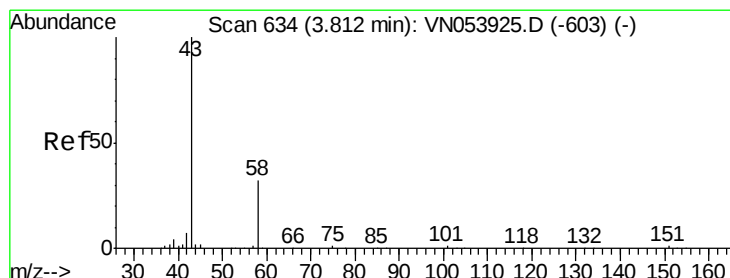
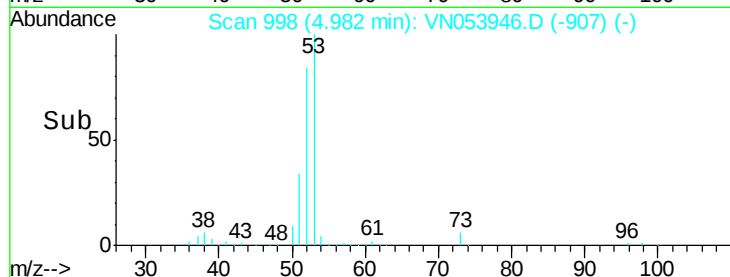
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 302.588 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053946.D

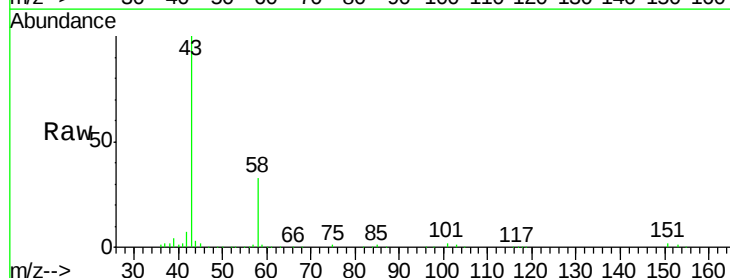
Acq: 26 Feb 2019 11:03

Tgt Ion: 43 Resp: 646565

Ion Ratio Lower Upper

43 100

58 33.1 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-603) (-)

3.81

250000

200000

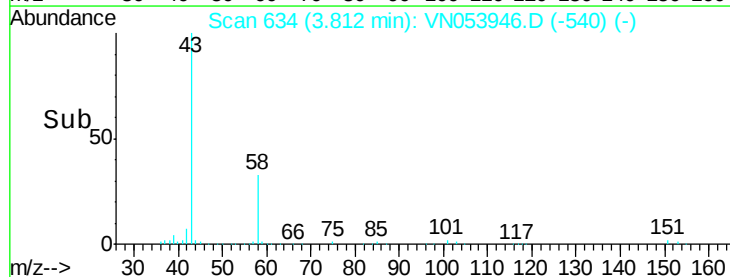
150000

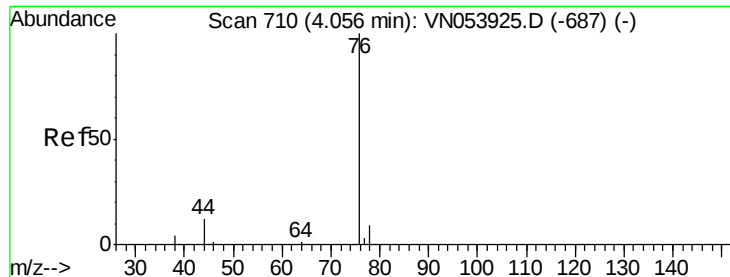
100000

50000

0

Time-->

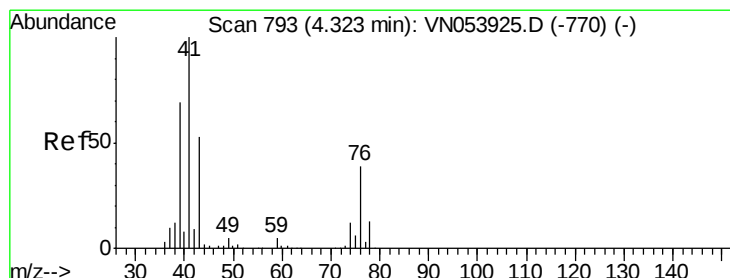
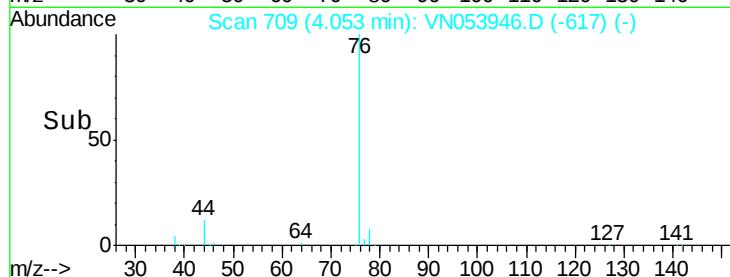
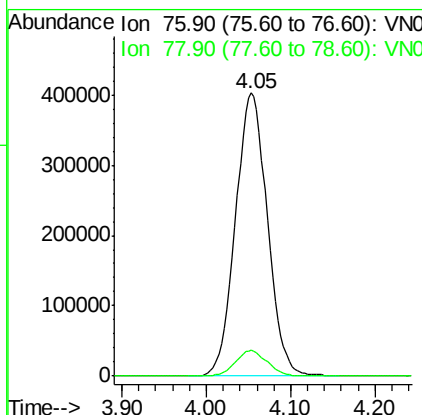
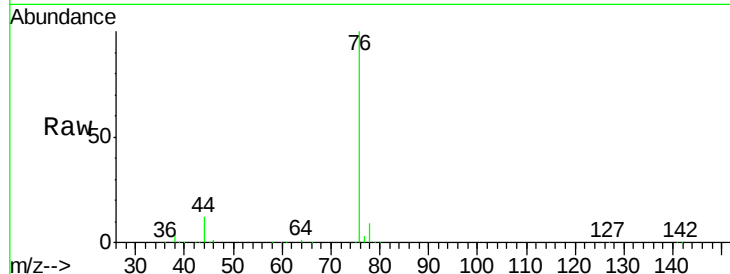




#17
Carbon Disulfide
Concen: 48.125 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

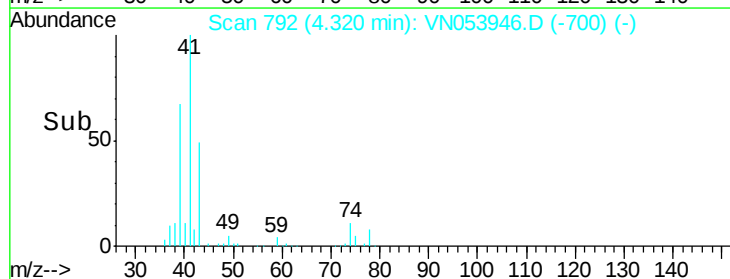
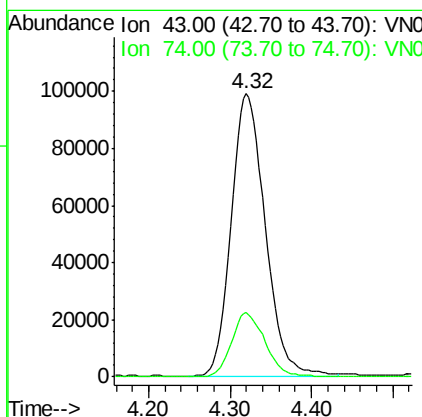
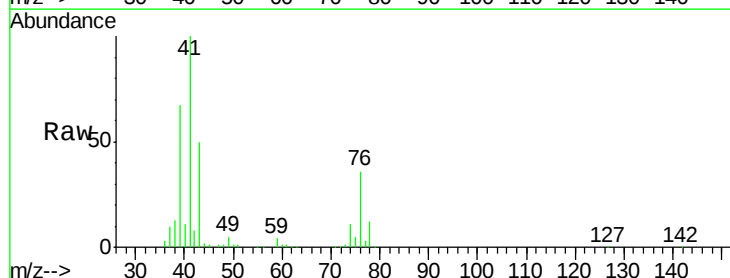
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

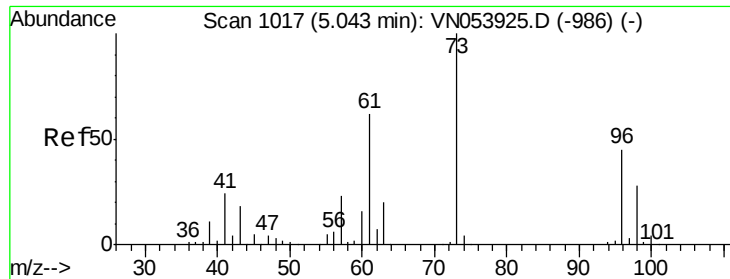
Tot Ion: 76 Resp: 1064367
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 50.421 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 43 Resp: 287020
Ion Ratio Lower Upper
43 100
74 22.3 20.5 30.7

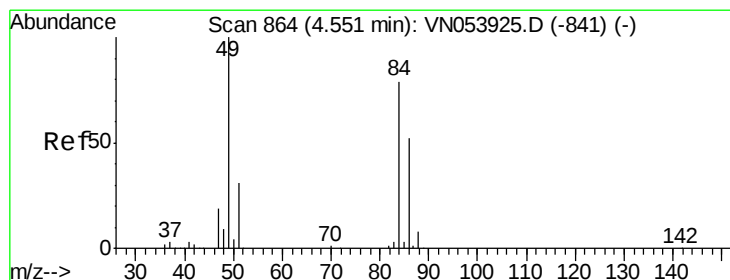
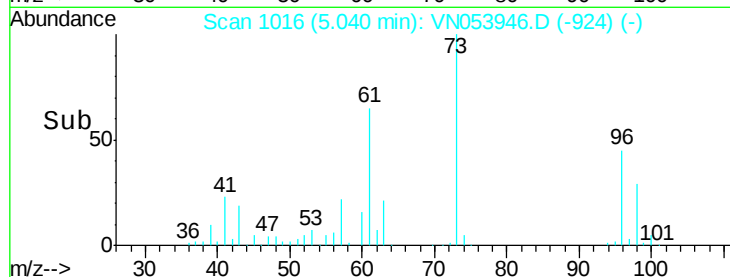
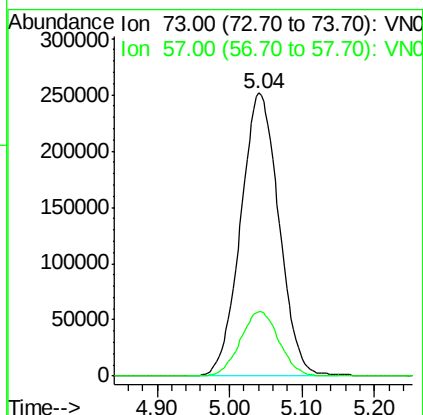
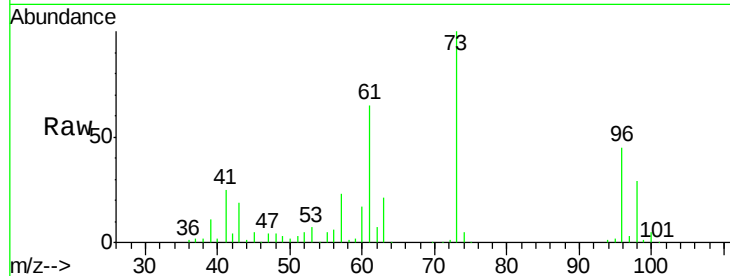




#19
Methvl tert-butvl Ether
Concen: 50.264 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

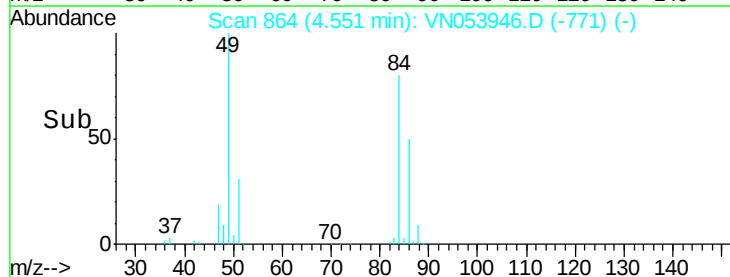
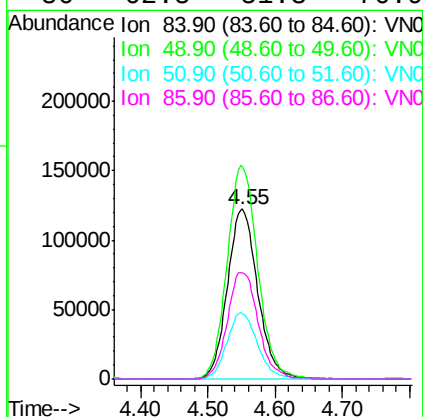
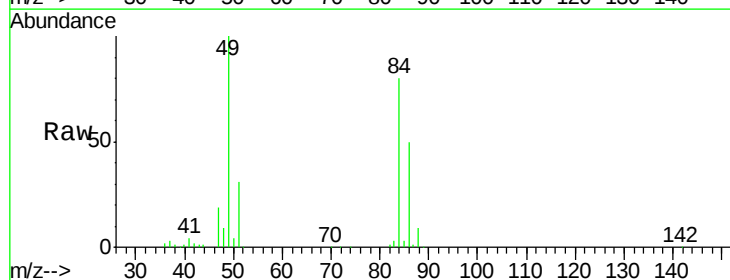
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

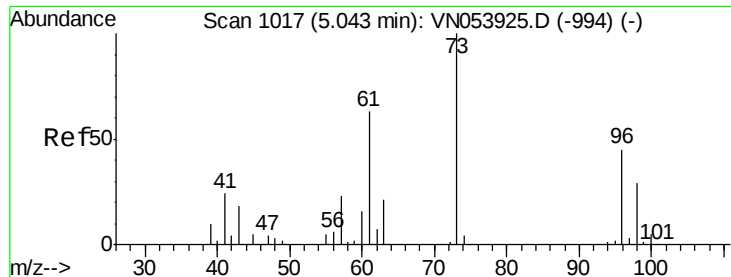
Tot Ion: 73 Resp: 924407
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0



#20
Methylene Chloride
Concen: 47.655 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 84 Resp: 383975
Ion Ratio Lower Upper
84 100
49 125.1 89.7 134.5
51 38.6 27.8 41.8
86 62.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 49.054 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

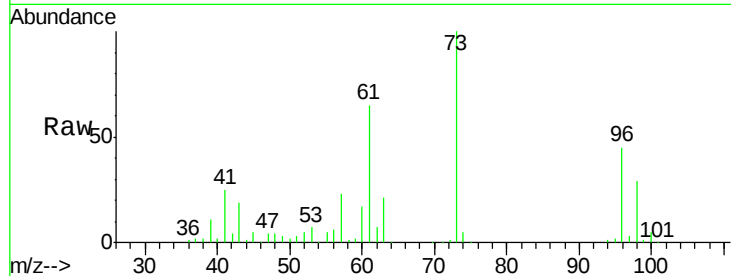
Tot Ion: 96 Resp: 363983

Ion Ratio Lower Upper

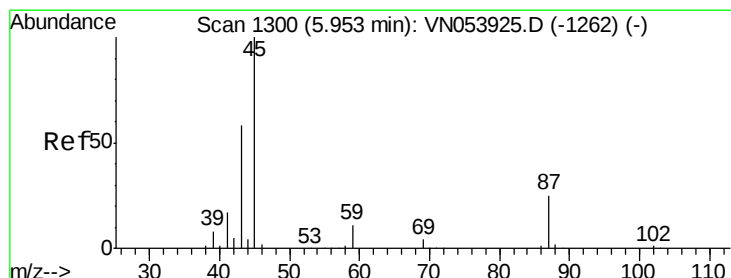
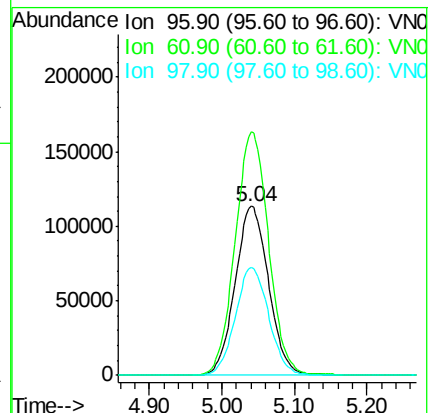
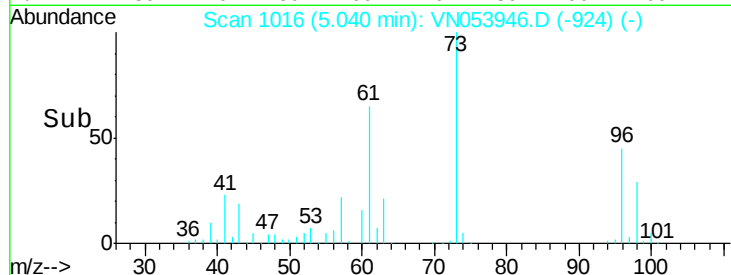
96 100

61 143.9 104.5 156.7

98 63.8 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.884 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion: 45 Resp: 1203561

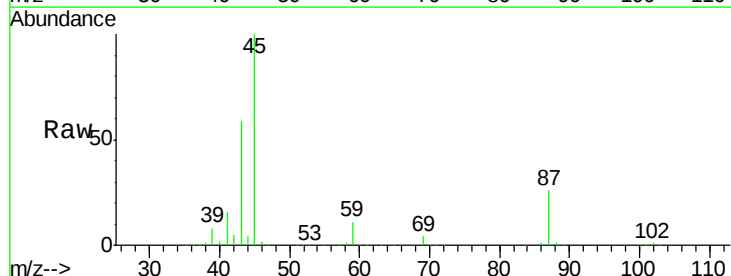
Ion Ratio Lower Upper

45 100

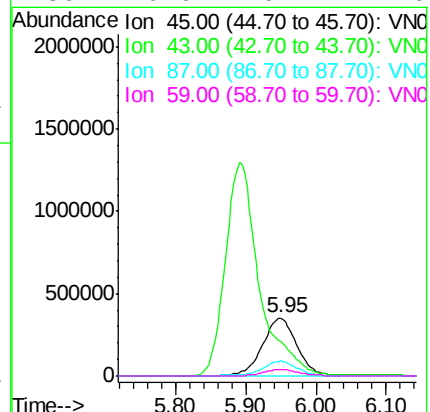
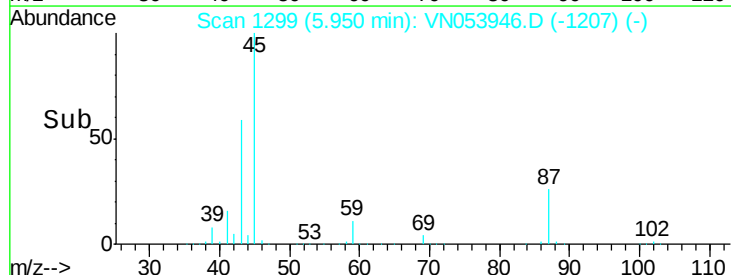
43 58.4 46.2 69.4

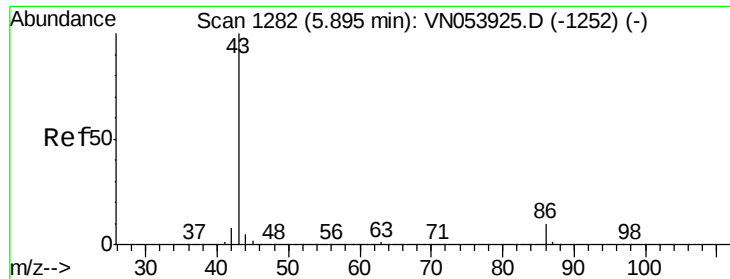
87 25.1 23.4 35.0

59 10.9 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

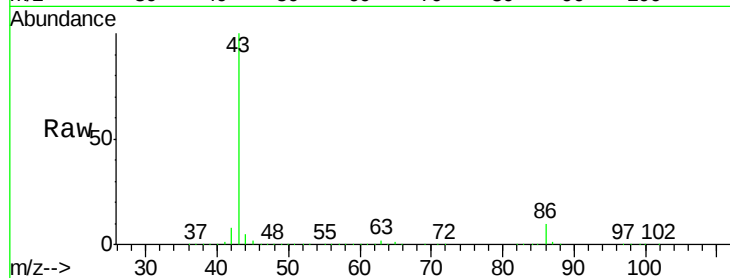




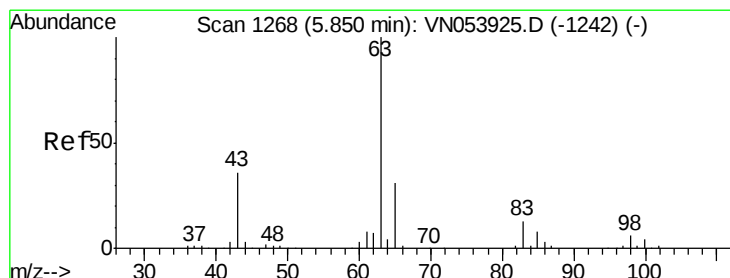
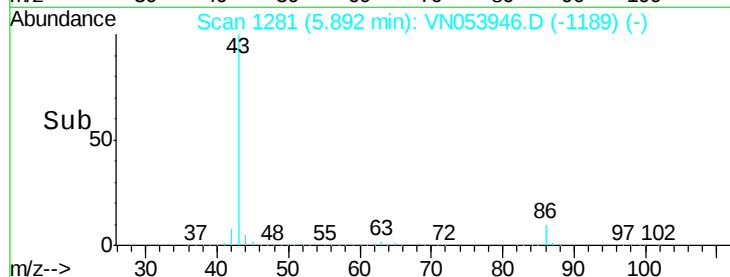
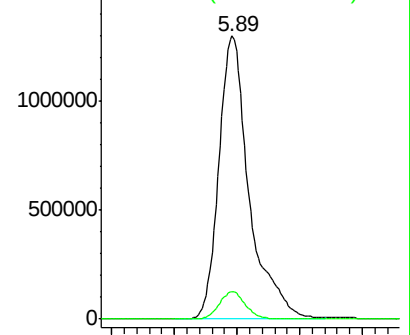
#23
 Vinyl Acetate
 Concen: 261.488 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 4363620
 Ion Ratio Lower Upper
 43 100
 86 9.6 9.1 13.7

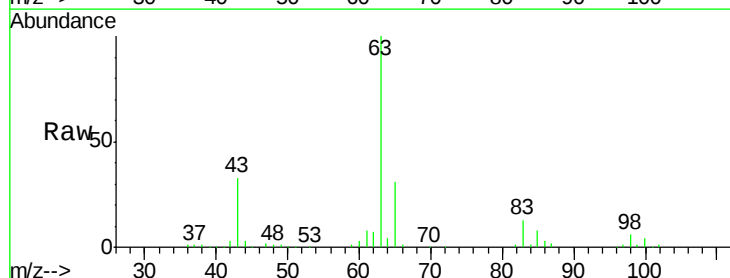


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0

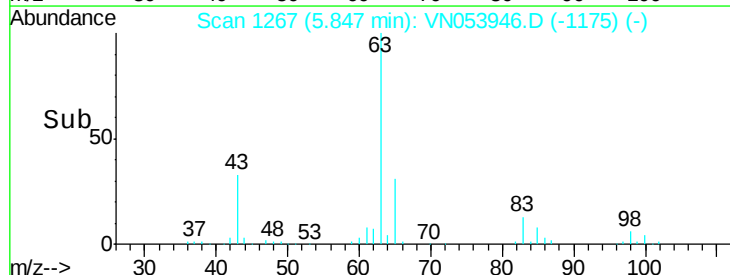
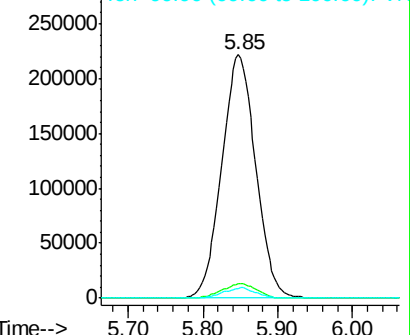


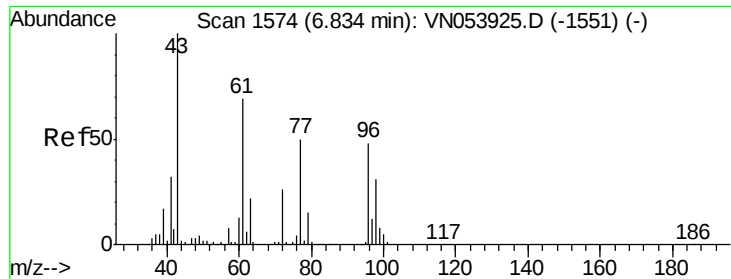
#24
 1,1-Dichloroethane
 Concen: 49.166 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 63 Resp: 699413
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.4 10.2
 100 4.0 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

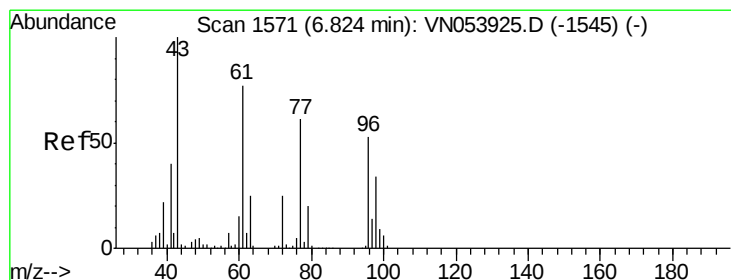
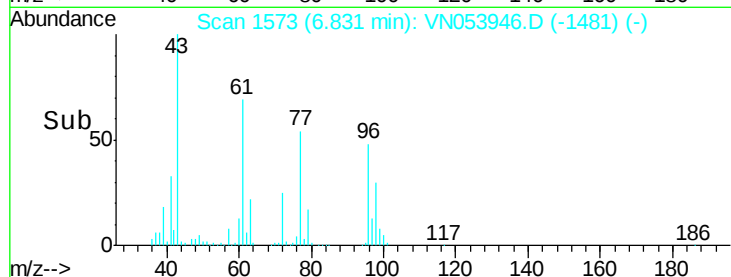
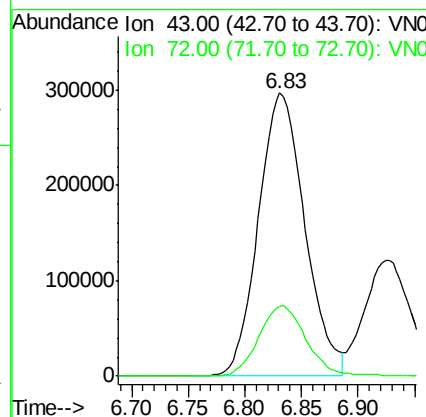
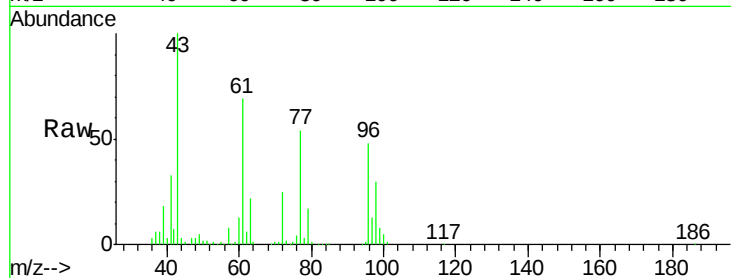




#25
 2-Butanone
 Concen: 264.244 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

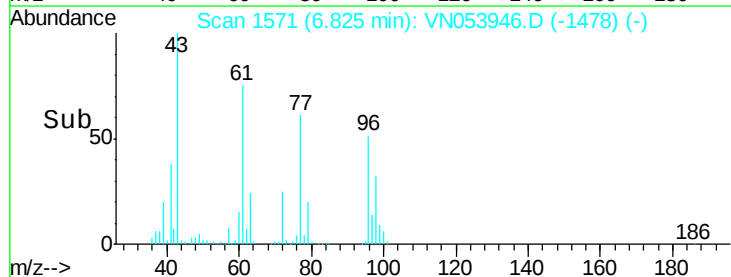
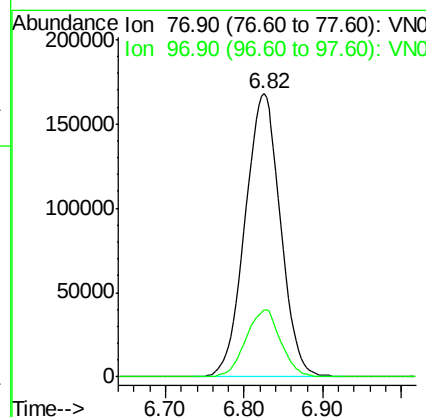
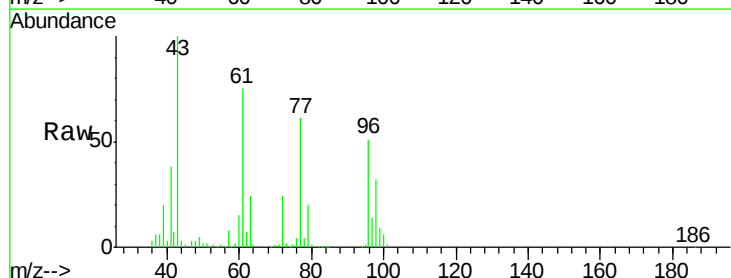
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

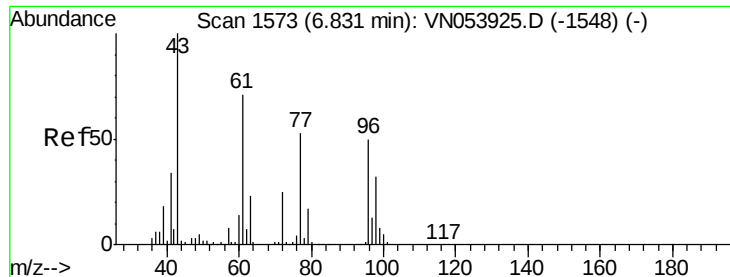
Tot Ion: 43 Resp: 844666
 Ion Ratio Lower Upper
 43 100
 72 24.8 22.1 33.1



#26
 2,2-Dichloropropane
 Concen: 52.702 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 77 Resp: 532641
 Ion Ratio Lower Upper
 77 100
 97 23.4 12.3 36.9

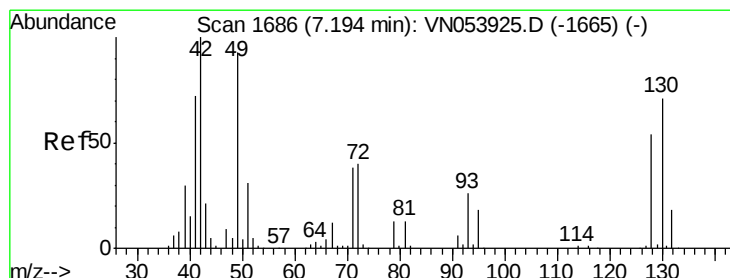
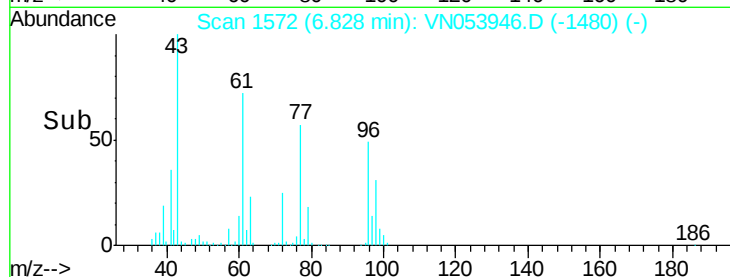
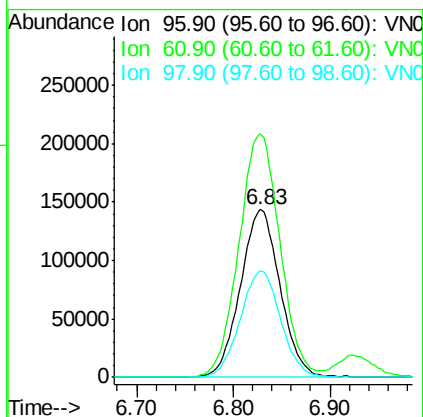
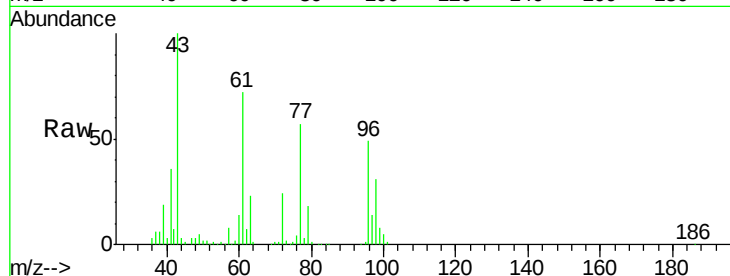




#27
 cis-1,2-Dichloroethene
 Concen: 49.550 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

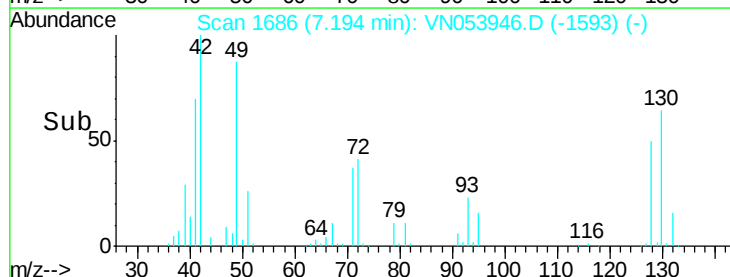
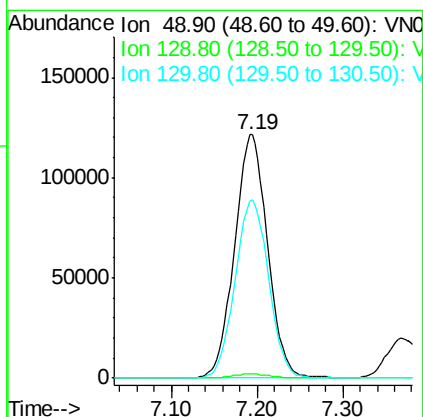
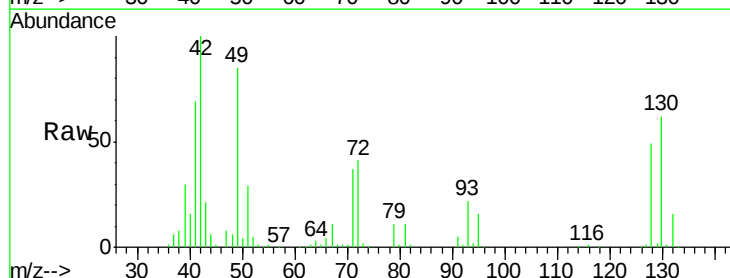
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

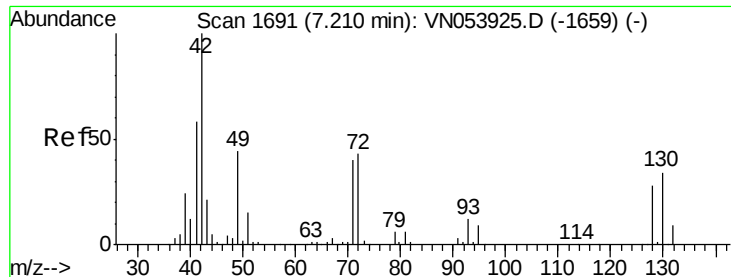
Tot Ion: 96 Resp: 408890
 Ion Ratio Lower Upper
 96 100
 61 150.3 0.0 275.6
 98 64.9 0.0 130.0



#28
 Bromochloromethane
 Concen: 49.684 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 49 Resp: 323510
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.6
 130 74.3 72.9 109.3





#29

Tetrahydrofuran

Concen: 249.321 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

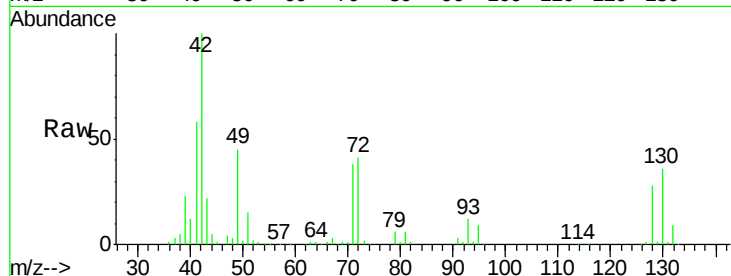
Tot Ion: 42 Resp: 530724

Ion Ratio Lower Upper

42 100

72 40.3 36.9 55.3

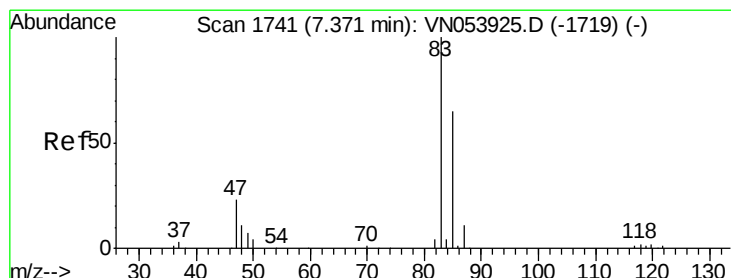
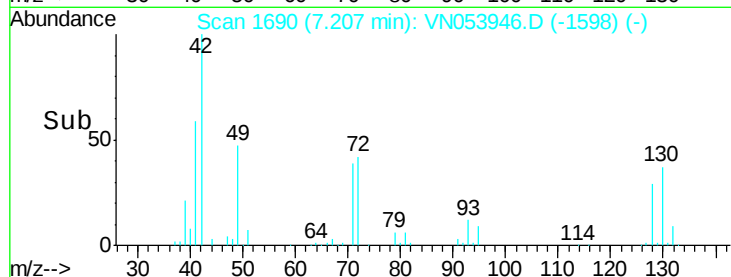
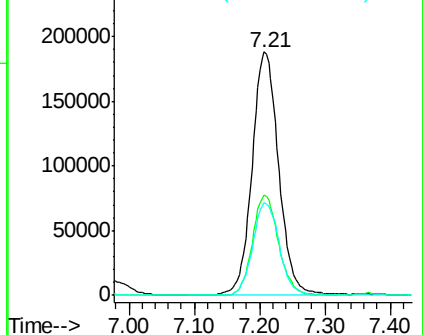
71 38.2 34.6 52.0



Abundance Ion 42.00 (41.70 to 42.70): VN053925.D (-1659) (-)

Ion 72.00 (71.70 to 72.70): VN053925.D (-1659) (-)

Ion 71.00 (70.70 to 71.70): VN053925.D (-1659) (-)



#30

Chloroform

Concen: 49.064 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053946.D

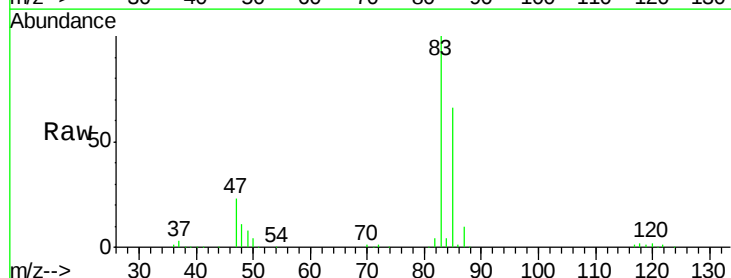
Acq: 26 Feb 2019 11:03

Tgt Ion: 83 Resp: 676784

Ion Ratio Lower Upper

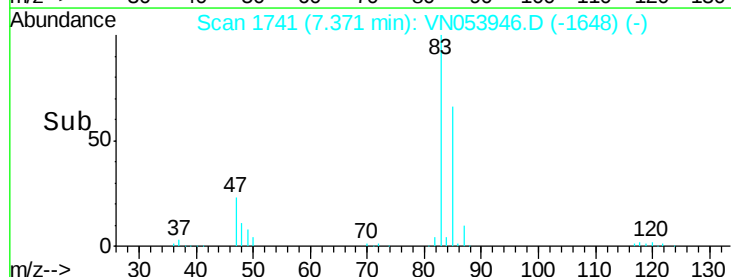
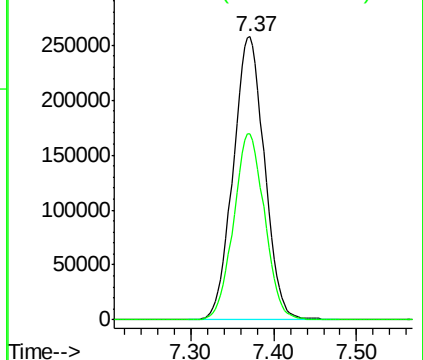
83 100

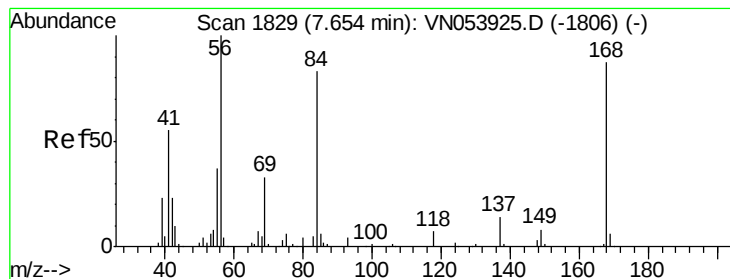
85 65.9 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN053925.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN053925.D (-1719) (-)





#31

Cyclohexane

Concen: 51.890 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

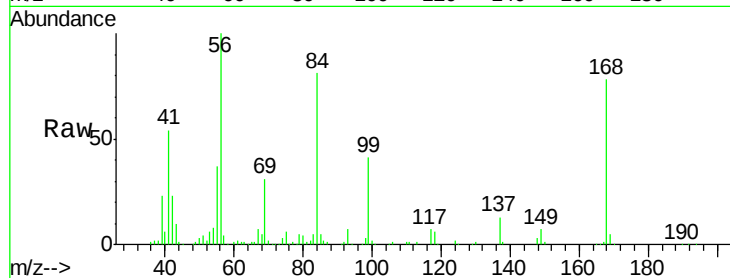
Tot Ion: 56 Resp: 675318

Ion Ratio Lower Upper

56 100

69 31.2 26.0 39.0

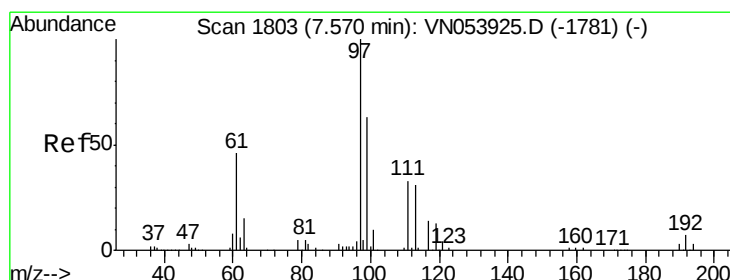
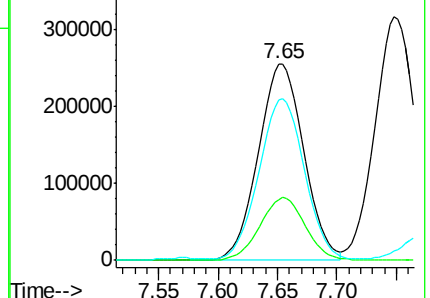
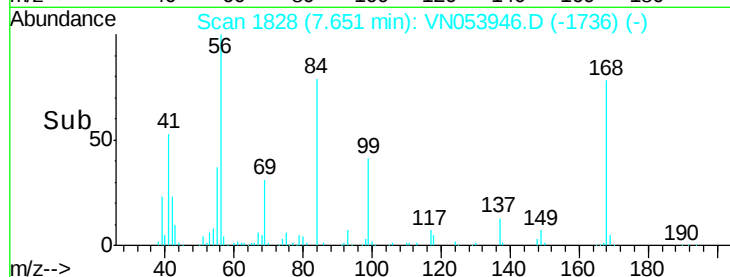
84 80.3 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VN053946.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053946.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053946.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 49.641 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

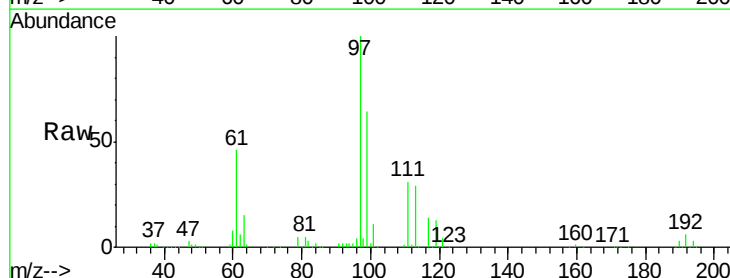
Tgt Ion: 97 Resp: 564593

Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

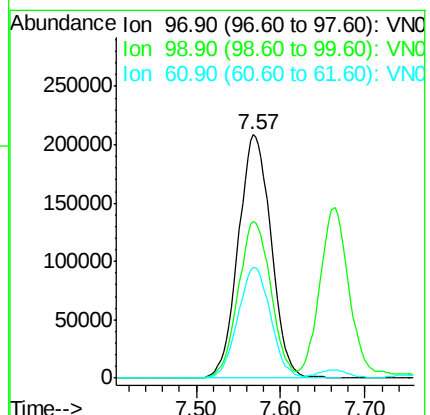
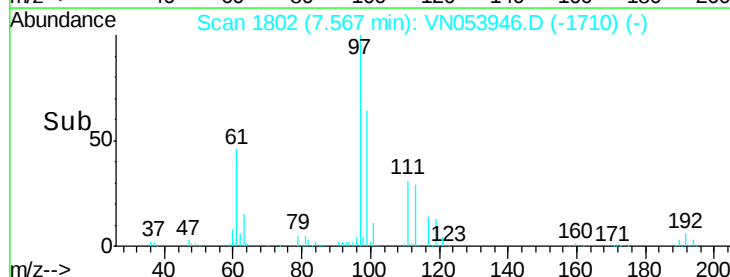
61 45.3 33.2 49.8

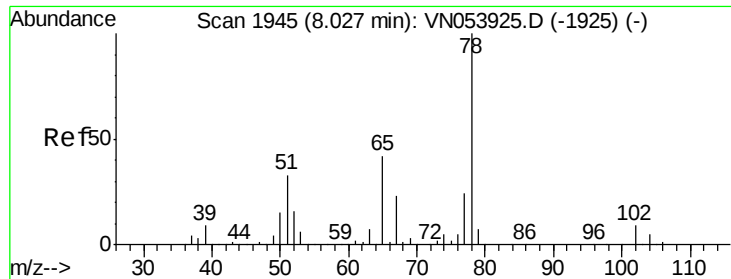


Abundance Ion 96.90 (96.60 to 97.60): VN053946.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053946.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053946.D (-1710) (-)

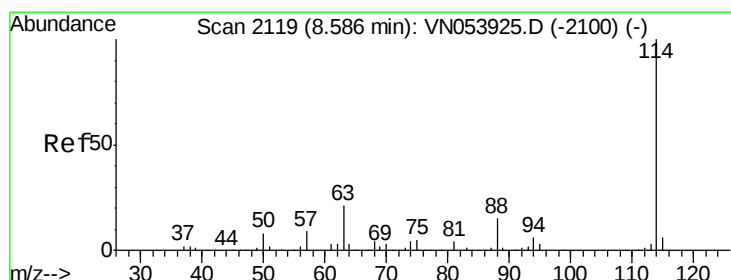
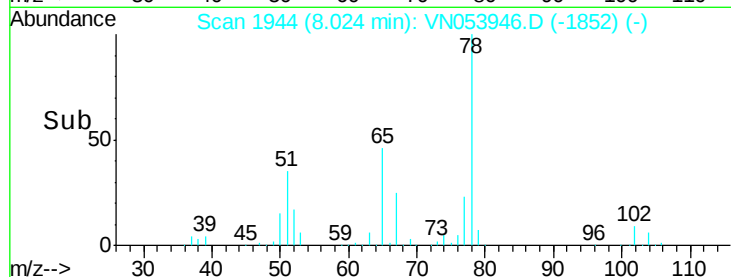
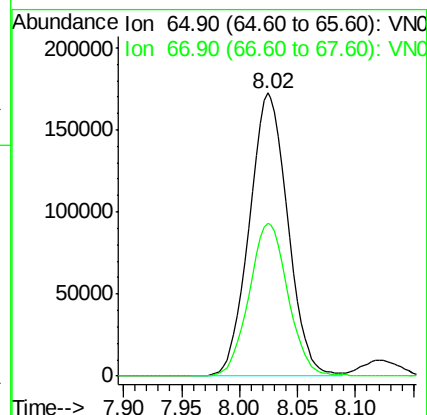
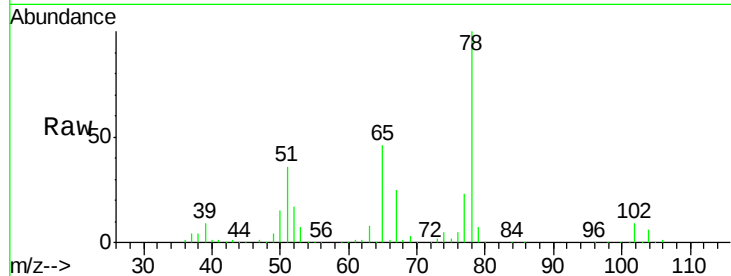




#33
 1,2-Dichloroethane-d4
 Concen: 48.865 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

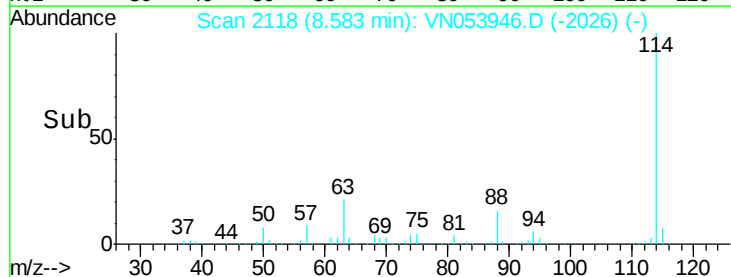
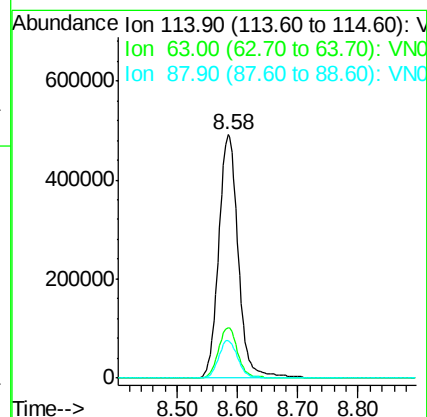
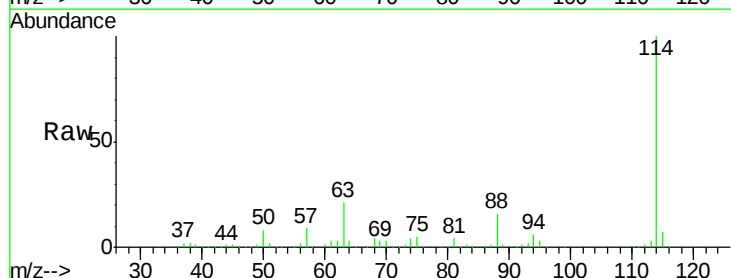
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

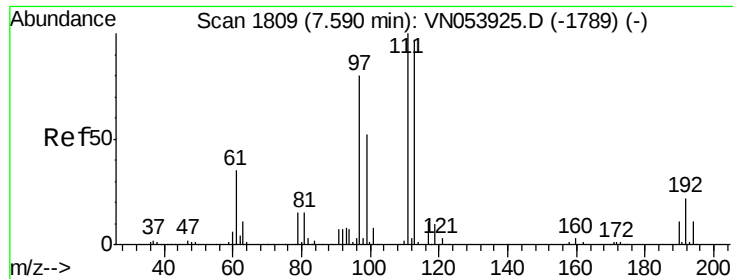
Tot Ion: 65 Resp: 397804
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 114 Resp: 1084768
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 37.4
 88 15.7 0.0 30.4

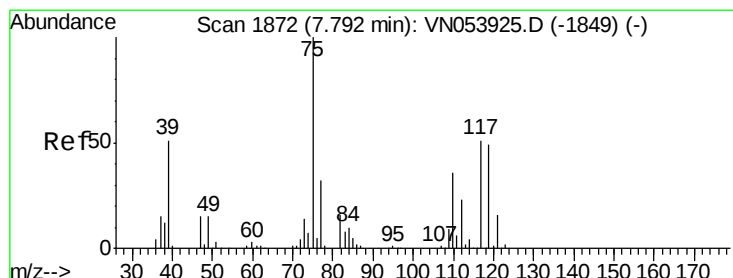
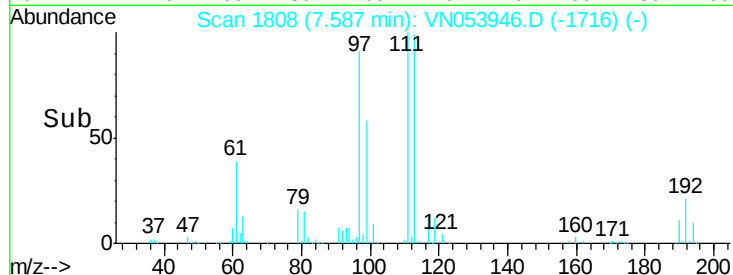
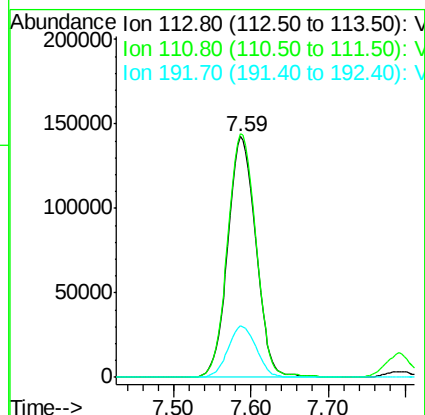
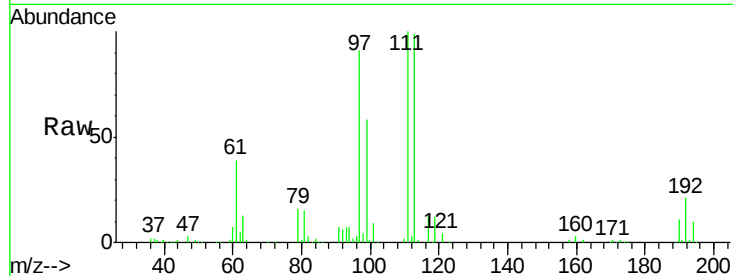




#35
 Dibromofluoromethane
 Concen: 51.060 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

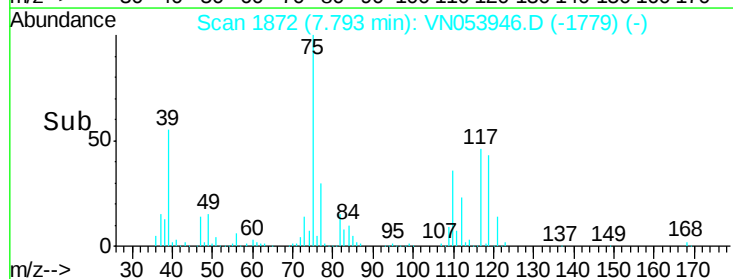
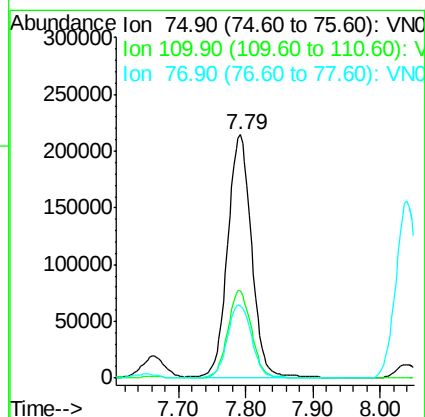
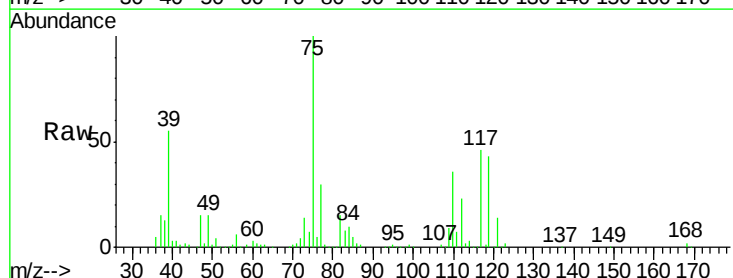
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

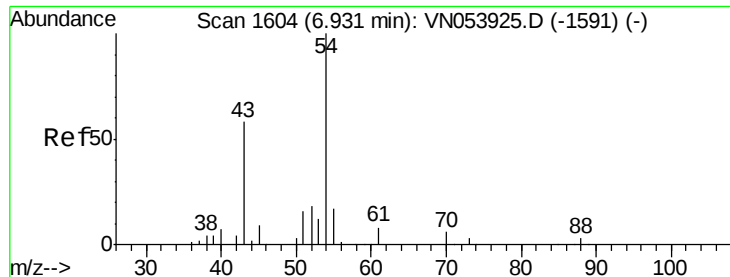
Tot Ion:113 Resp: 358176
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.1 121.7
 192 21.4 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 52.831 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 75 Resp: 532957
 Ion Ratio Lower Upper
 75 100
 110 35.7 19.0 57.0
 77 31.0 25.4 38.0

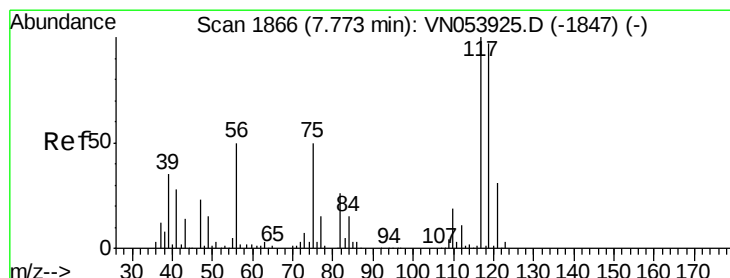
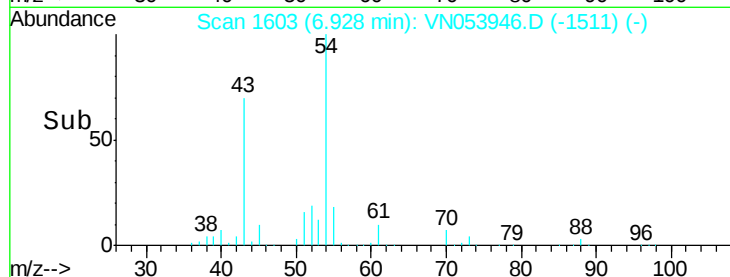
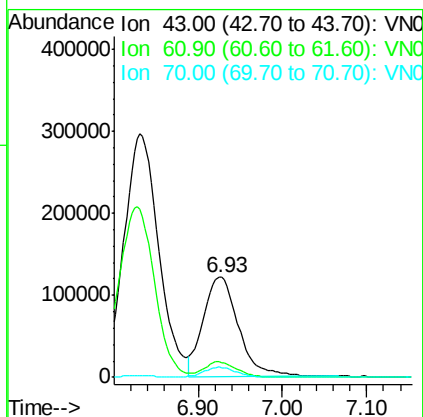
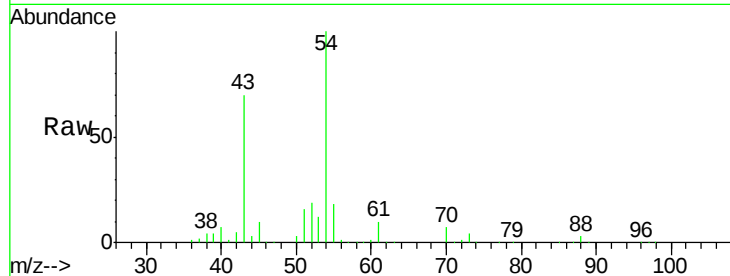




#37
Ethyl Acetate
Concen: 49.044 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

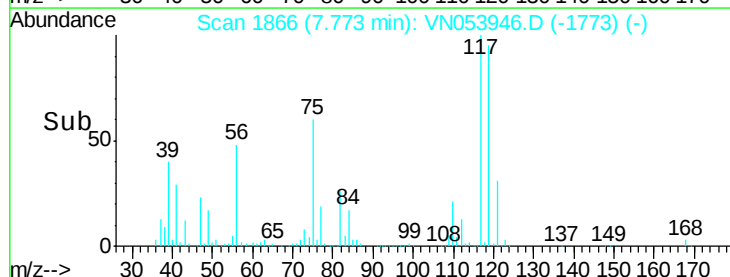
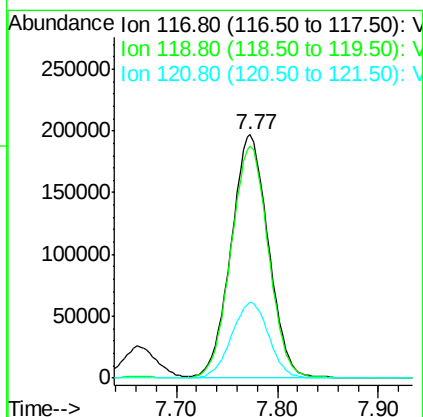
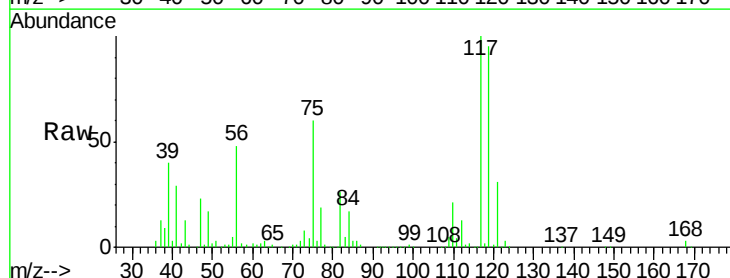
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

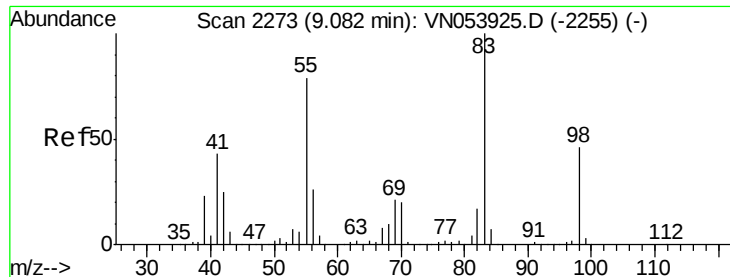
Tot Ion: 43 Resp: 353270
Ion Ratio Lower Upper
43 100
61 14.4 12.0 18.0
70 9.6 8.7 13.1



#38
Carbon Tetrachloride
Concen: 47.863 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 117 Resp: 502170
Ion Ratio Lower Upper
117 100
119 95.6 76.2 114.2
121 31.2 24.6 36.8

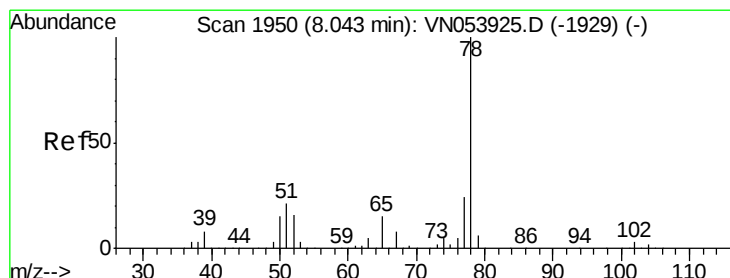
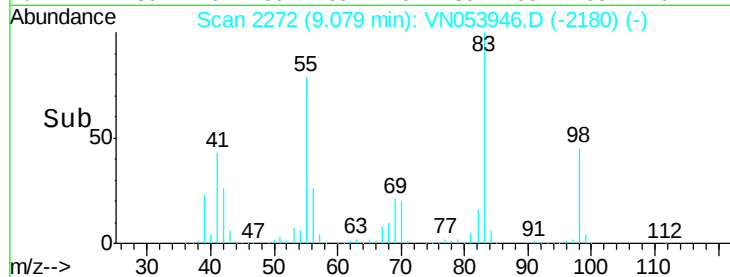
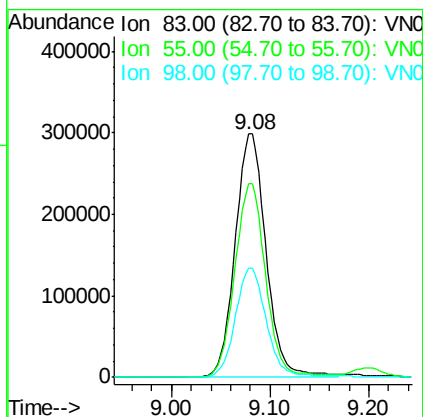
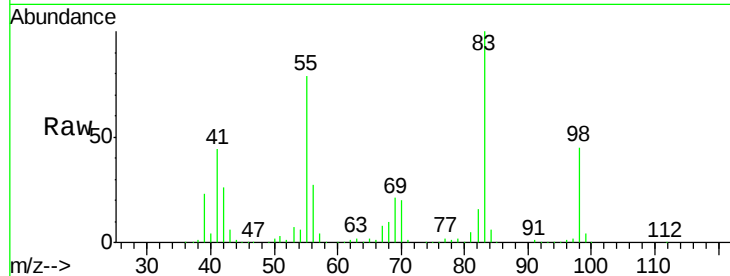




#39
Methvlcvclohexane
Concen: 53.587 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

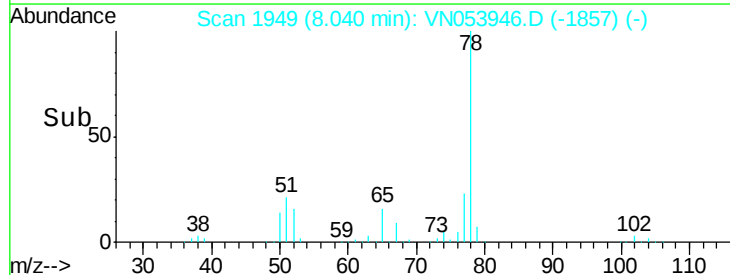
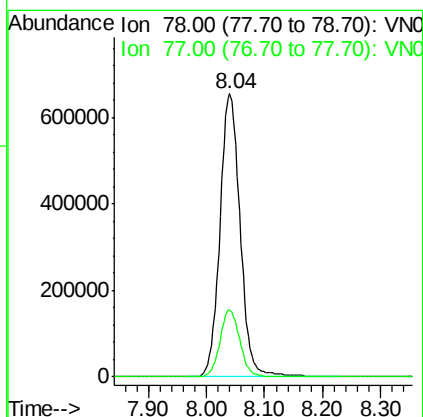
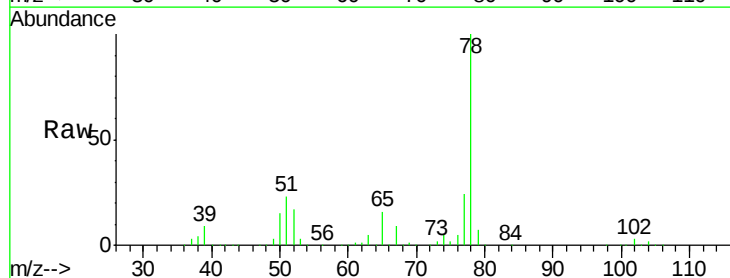
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

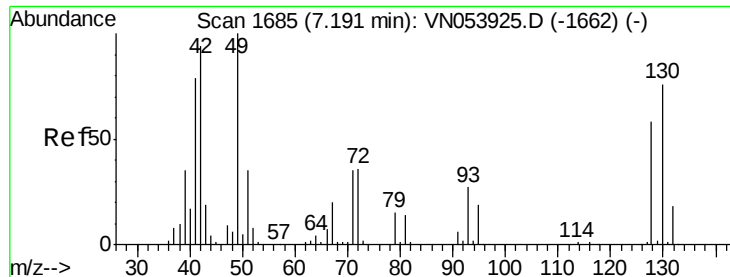
Tot Ion: 83 Resp: 651563
Ion Ratio Lower Upper
83 100
55 79.3 58.2 87.4
98 45.1 37.2 55.8



#40
Benzene
Concen: 50.884 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 78 Resp: 1576932
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

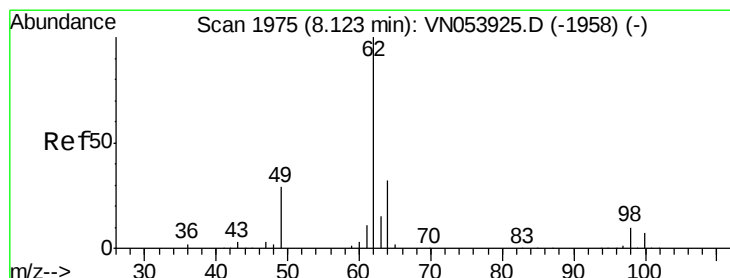
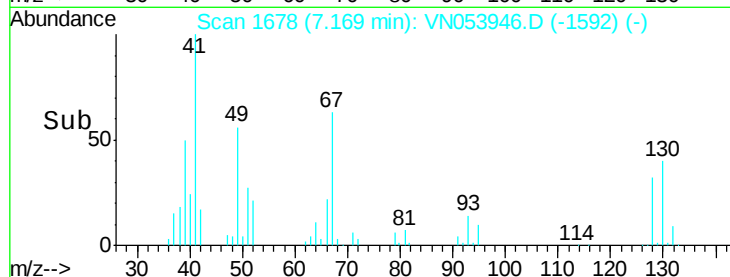
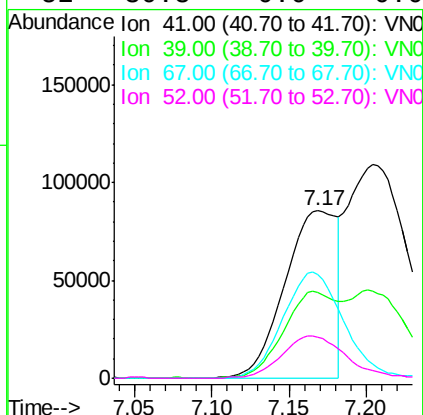
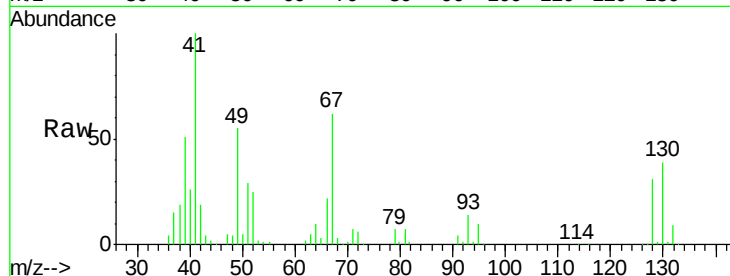




#41
Methacrylonitrile
Concen: 43.165 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

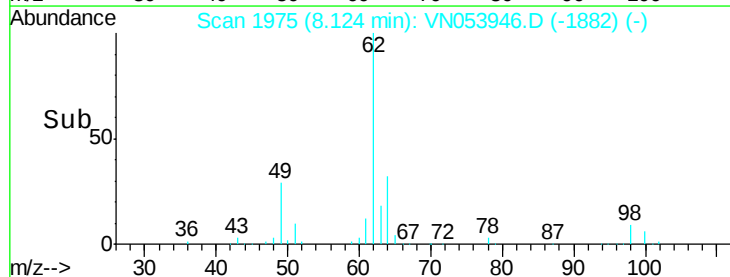
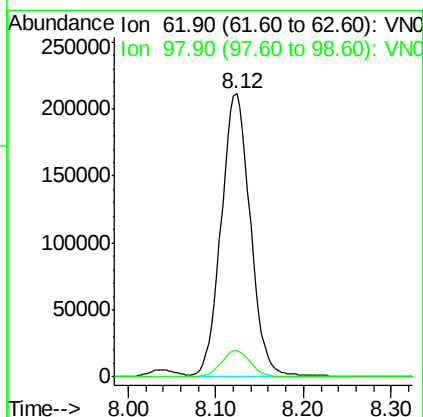
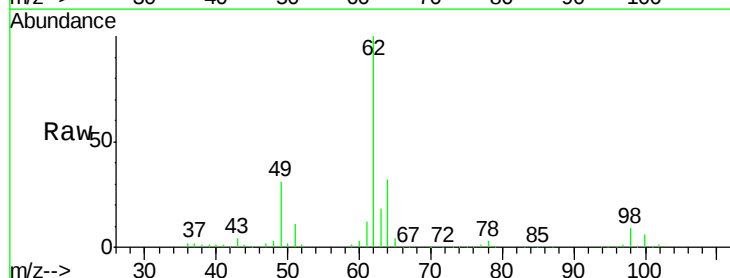
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

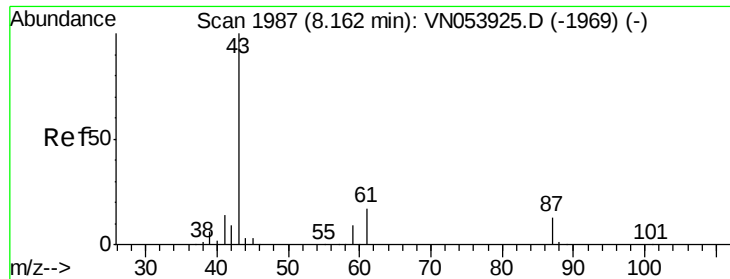
Tot Ion: 41 Resp: 200209
Ion Ratio Lower Upper
41 100
39 54.5 0.0 0.0#
67 75.2 0.0 0.0#
52 30.8 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 50.700 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 62 Resp: 486443
Ion Ratio Lower Upper
62 100
98 9.4 0.0 20.8





#43

Isopropyl Acetate

Concen: 49.105 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

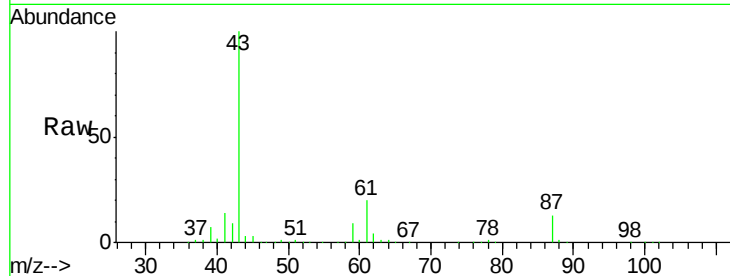
Tot Ion: 43 Resp: 597216

Ion Ratio Lower Upper

43 100

61 27.8 17.4 26.0#

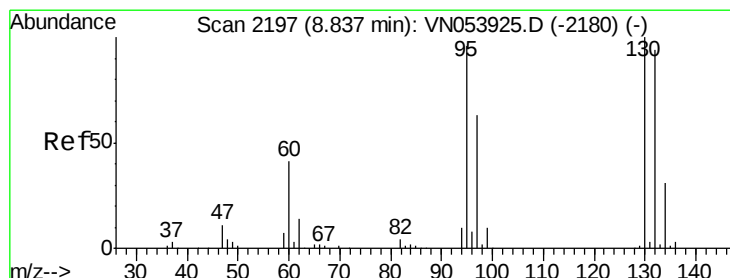
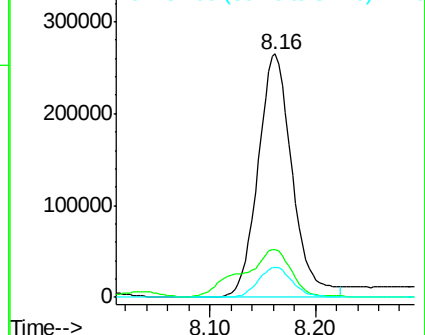
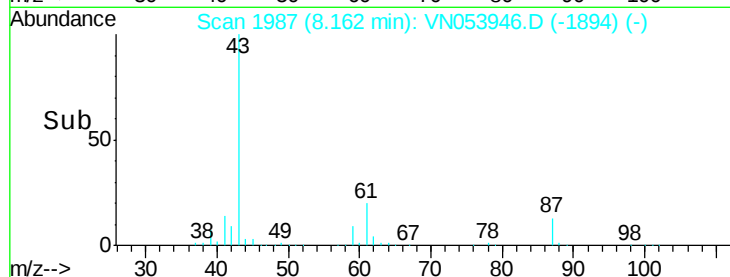
87 12.5 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053946.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053946.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053946.D (-1894) (-)



#44

Trichloroethene

Concen: 50.277 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053946.D

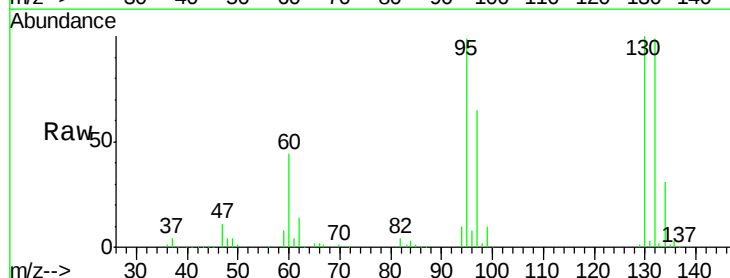
Acq: 26 Feb 2019 11:03

Tgt Ion:130 Resp: 413074

Ion Ratio Lower Upper

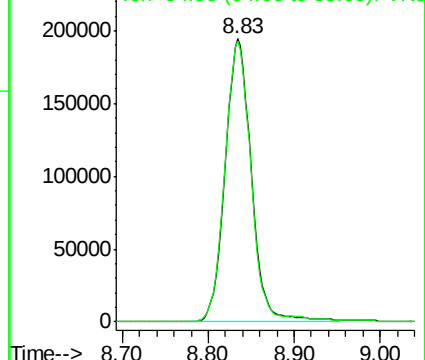
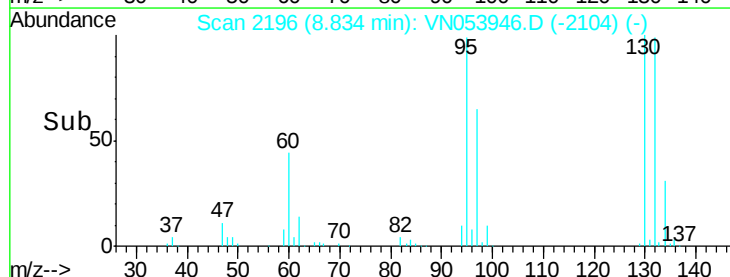
130 100

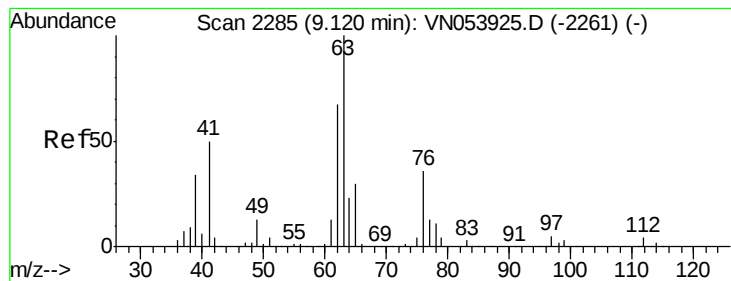
95 99.3 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053946.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053946.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 50.580 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

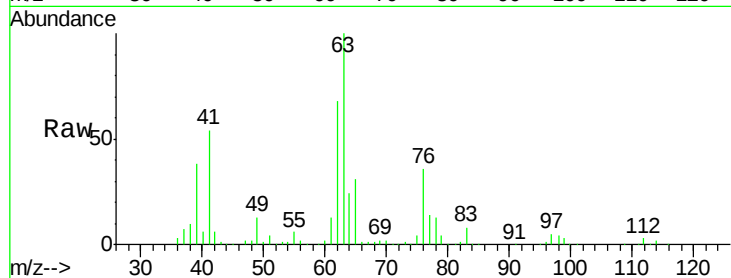
VSTDCCC050

Tot Ion: 63 Resp: 422907

Ion Ratio Lower Upper

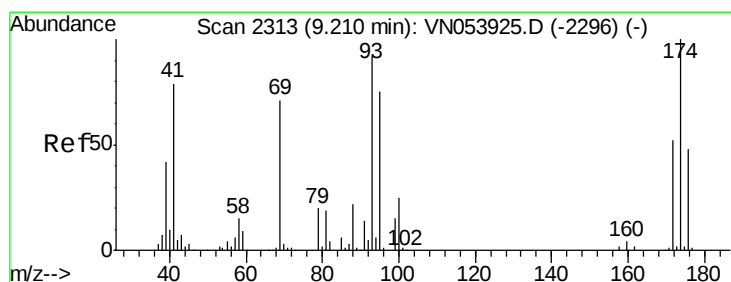
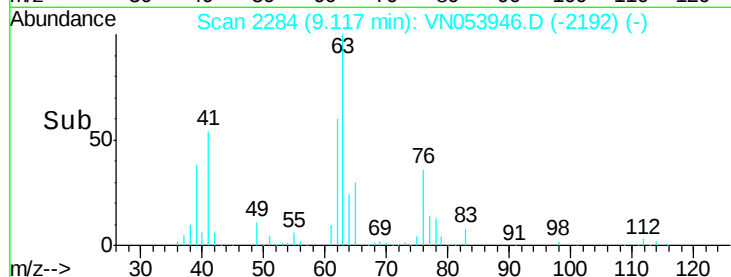
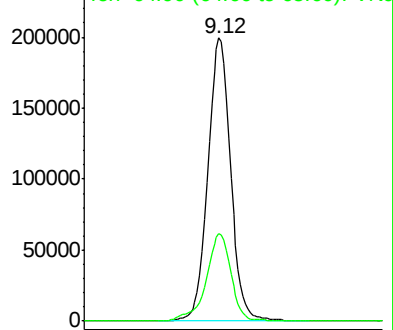
63 100

65 31.0 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.020 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

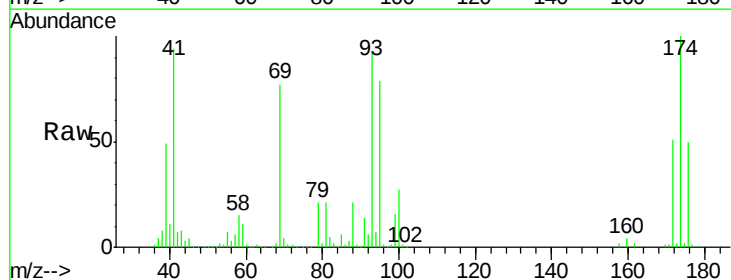
Tgt Ion: 93 Resp: 242803

Ion Ratio Lower Upper

93 100

95 84.1 66.6 100.0

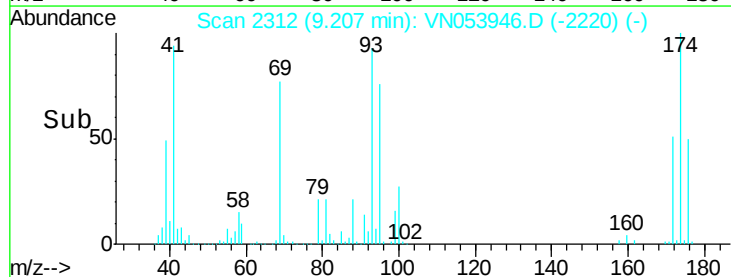
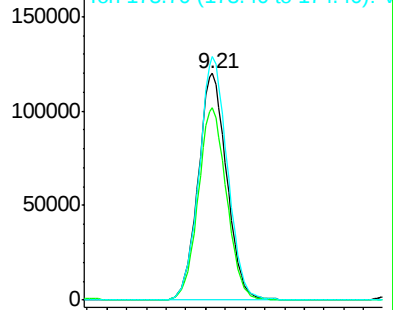
174 106.5 96.2 144.4

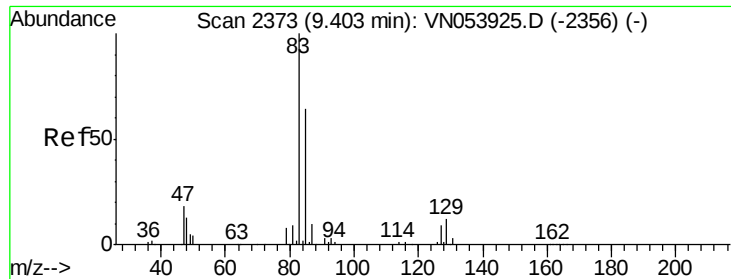


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.298 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

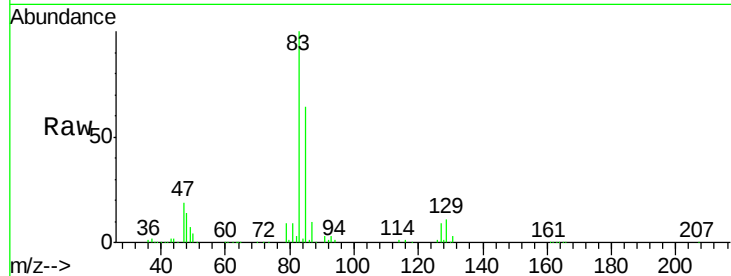
Tot Ion: 83 Resp: 524757

Ion Ratio Lower Upper

83 100

85 63.6 51.8 77.6

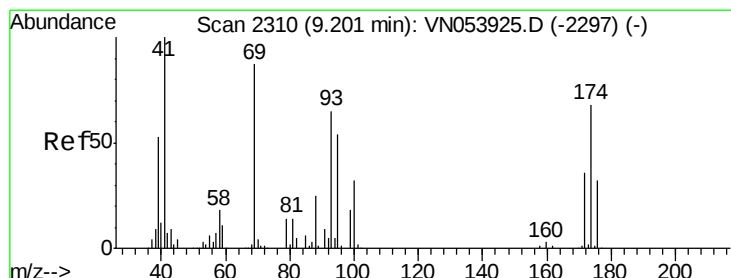
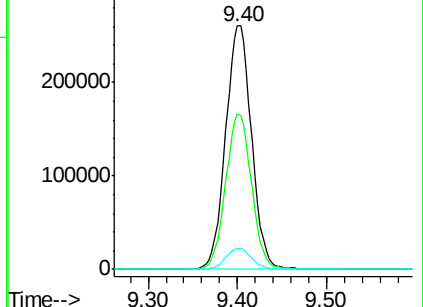
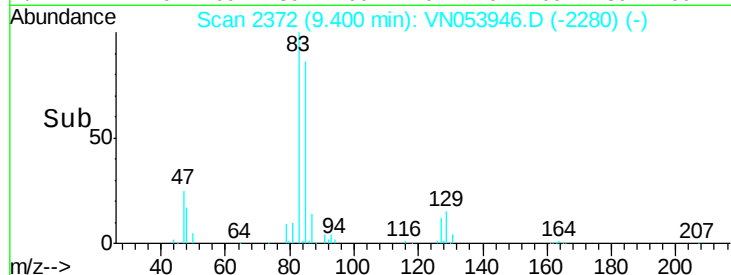
127 8.6 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN053946.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053946.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053946.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.630 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

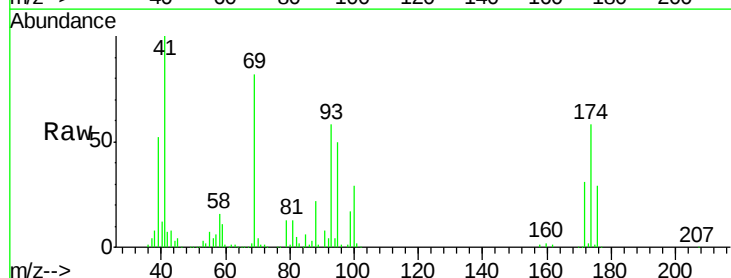
Tgt Ion: 41 Resp: 294421

Ion Ratio Lower Upper

41 100

69 89.0 74.8 112.2

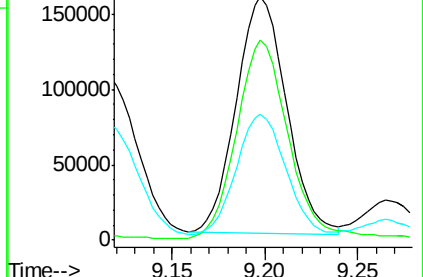
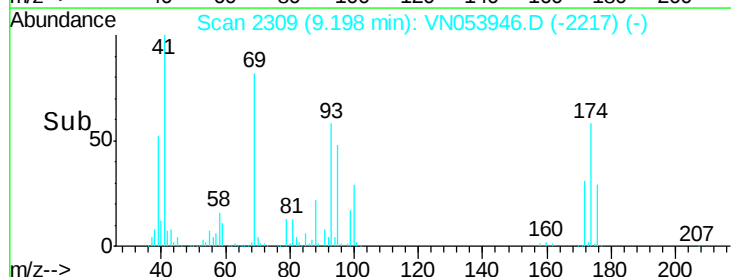
39 50.7 39.0 58.6

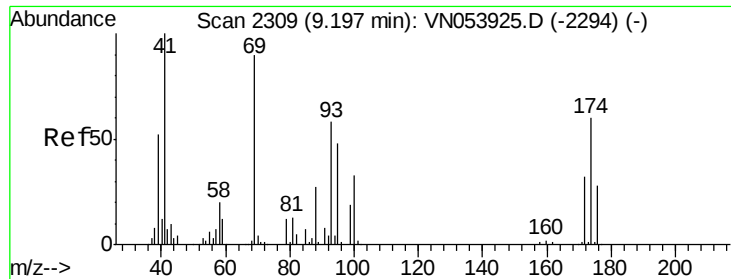


Abundance Ion 41.00 (40.70 to 41.70): VN053946.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053946.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053946.D (-2217) (-)

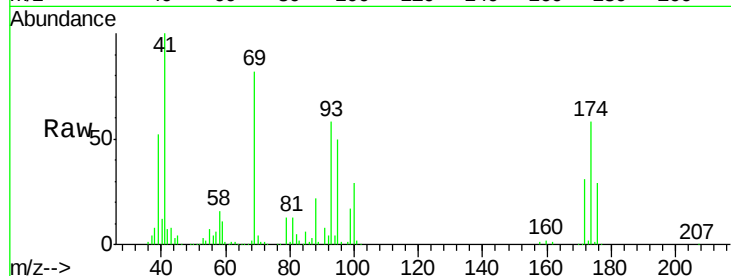




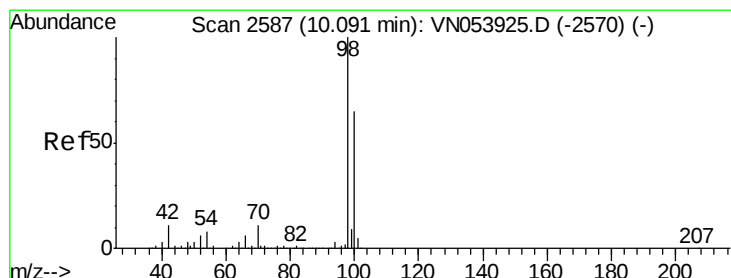
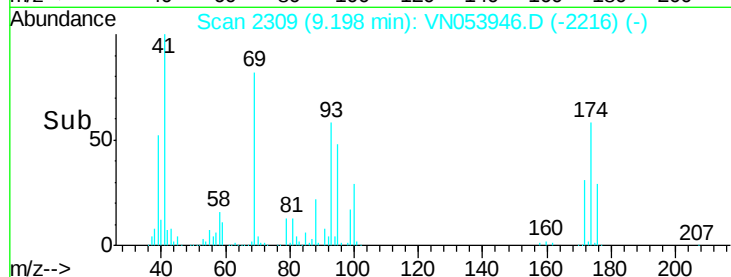
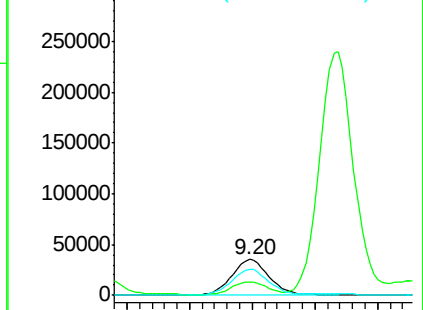
#49
1,4-Dioxane
Concen: 980.559 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 74296
Ion Ratio Lower Upper
88 100
43 33.7 21.2 31.8#
58 71.7 54.2 81.2

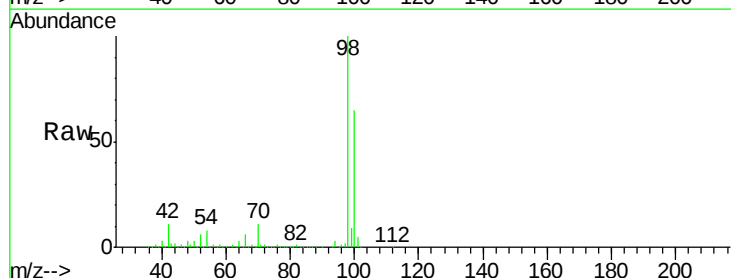


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

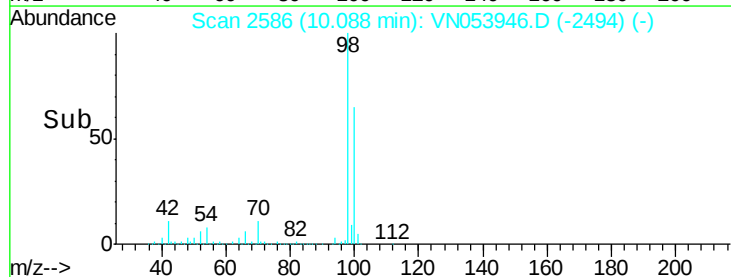
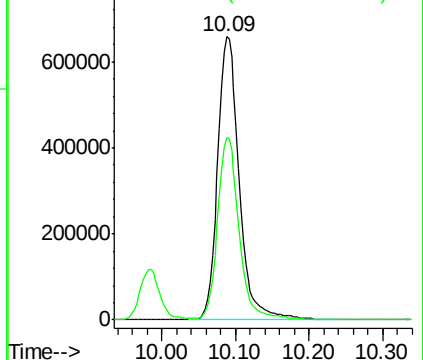


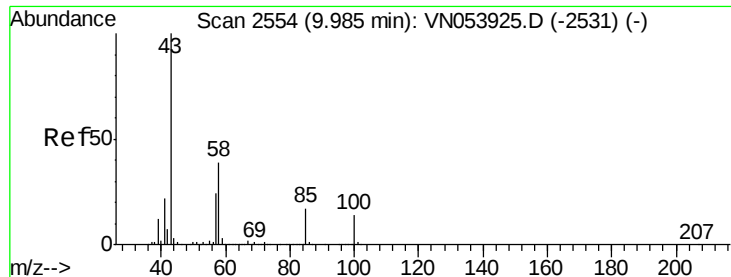
#50
Toluene-d8
Concen: 51.213 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 98 Resp: 1337322
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 268.646 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

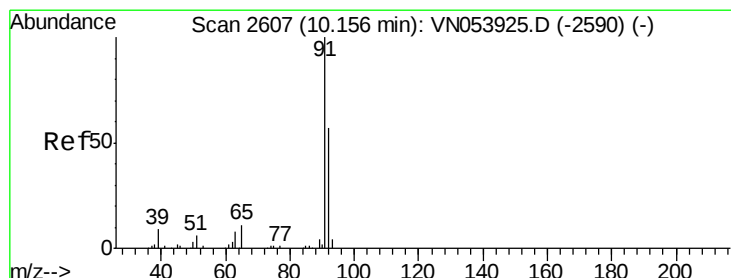
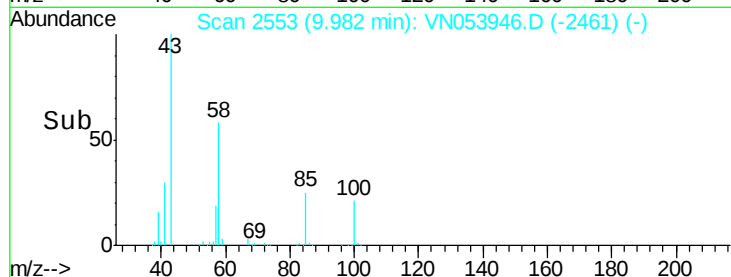
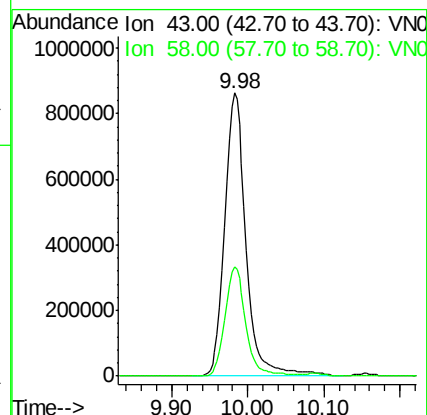
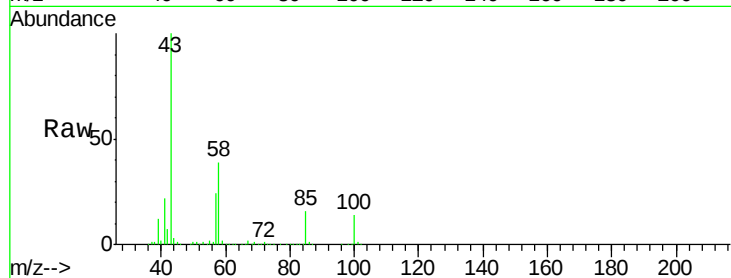
VSTDCCC050

Tot Ion: 43 Resp: 1678947

Ion Ratio Lower Upper

43 100

58 37.8 32.7 49.1



#52

Toluene

Concen: 52.437 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053946.D

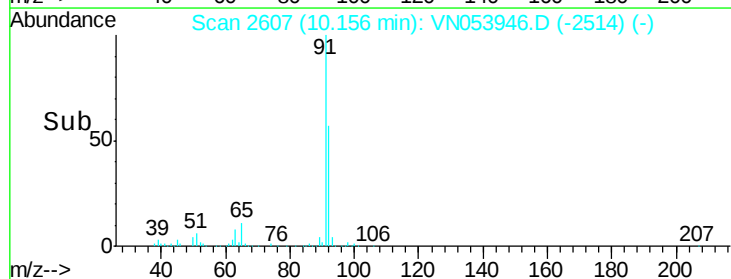
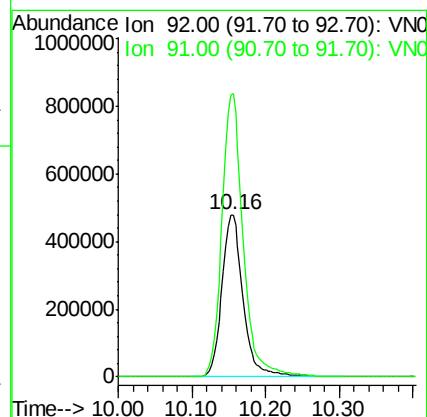
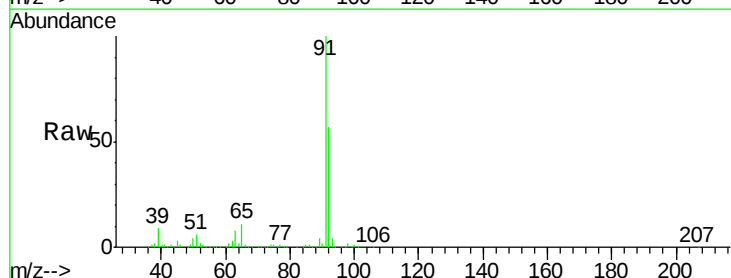
Acq: 26 Feb 2019 11:03

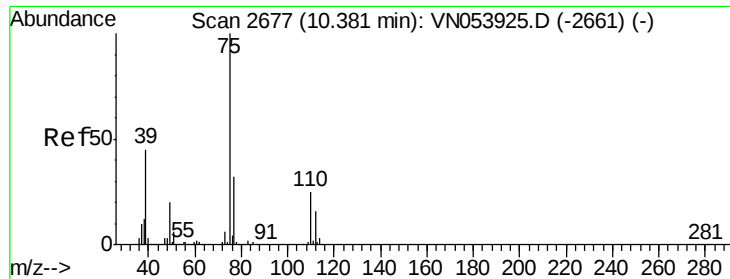
Tgt Ion: 92 Resp: 956882

Ion Ratio Lower Upper

92 100

91 175.0 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 53.549 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

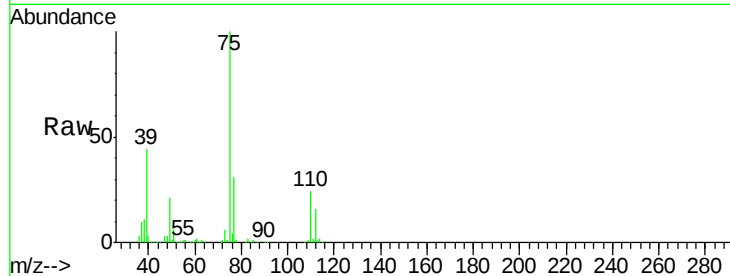
VSTDCCC050

Tot Ion: 75 Resp: 532990

Ion Ratio Lower Upper

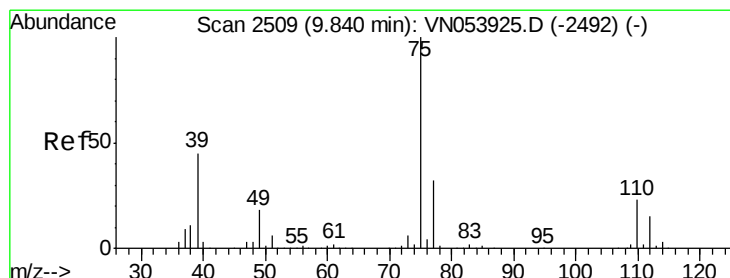
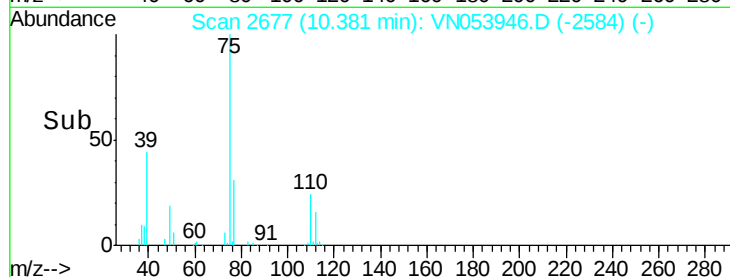
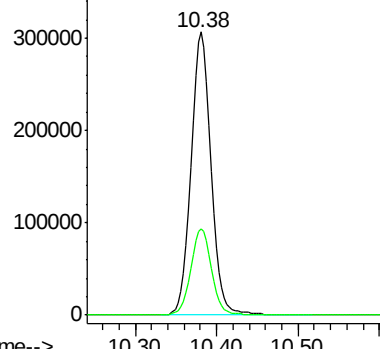
75 100

77 30.6 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.039 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

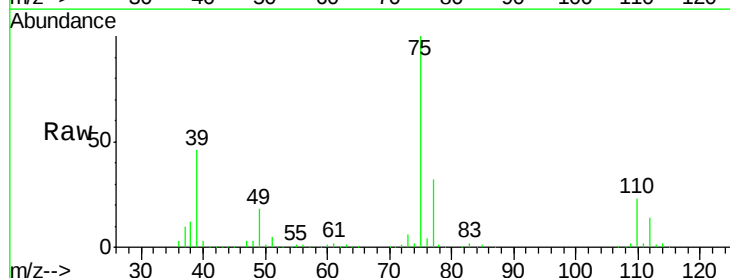
Tgt Ion: 75 Resp: 622352

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

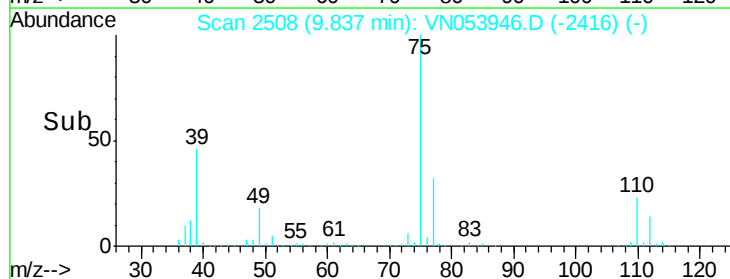
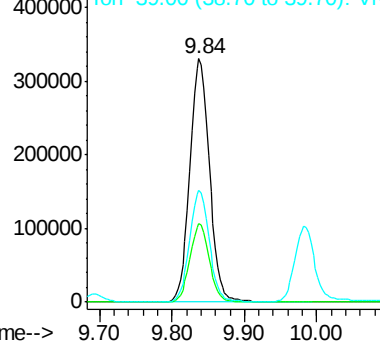
39 45.9 31.4 47.0

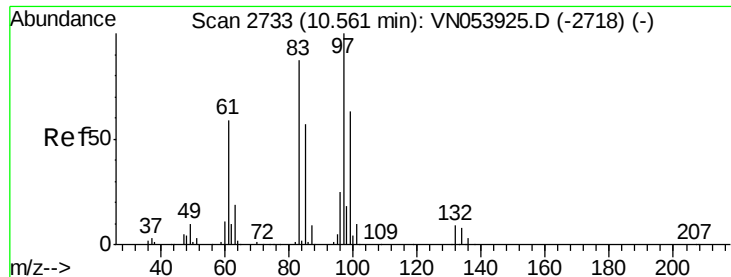


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 50.608 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 97 Resp: 344893

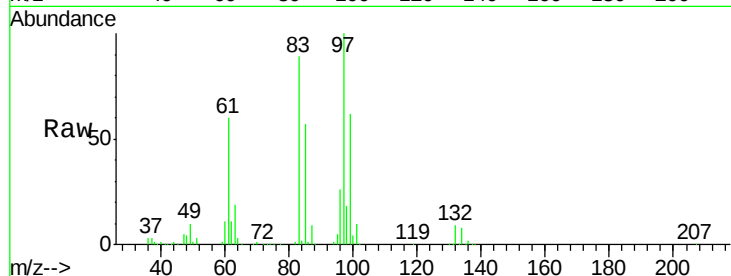
Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.5	104.3
85	56.5	45.9	68.9
99	62.2	49.1	73.7

97 100

83 88.7 69.5 104.3

85 56.5 45.9 68.9

99 62.2 49.1 73.7



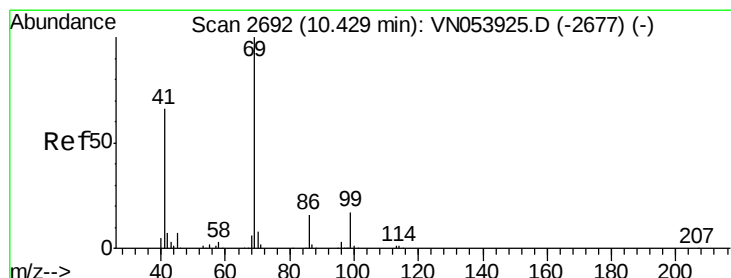
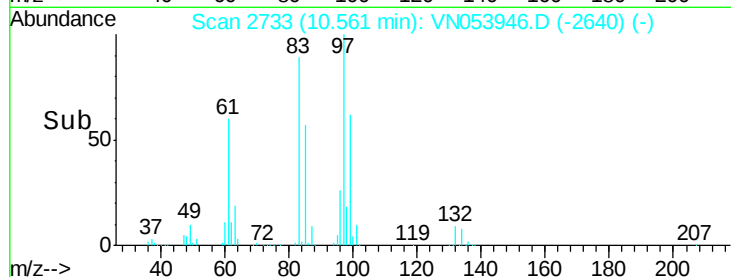
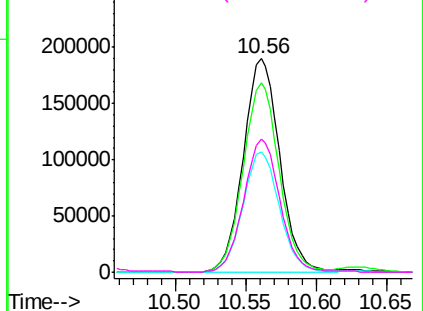
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 48.379 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

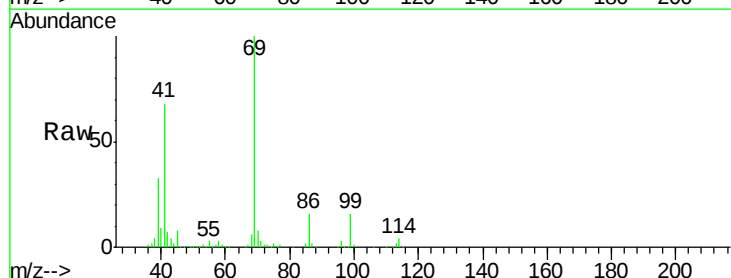
Tgt Ion: 69 Resp: 431724

Ion	Ratio	Lower	Upper
69	100		
41	67.9	47.5	71.3
39	32.9	23.4	35.0

69 100

41 67.9 47.5 71.3

39 32.9 23.4 35.0

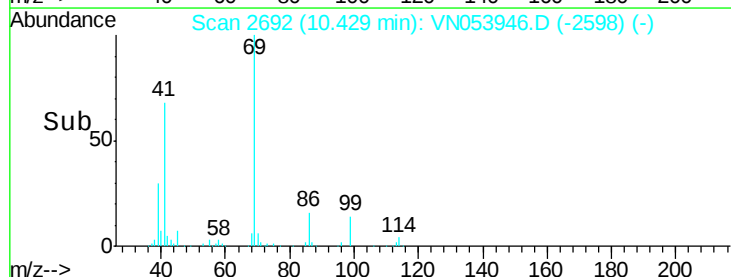
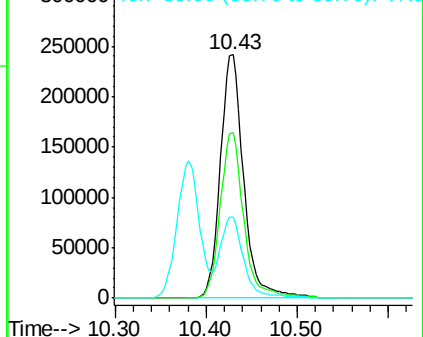


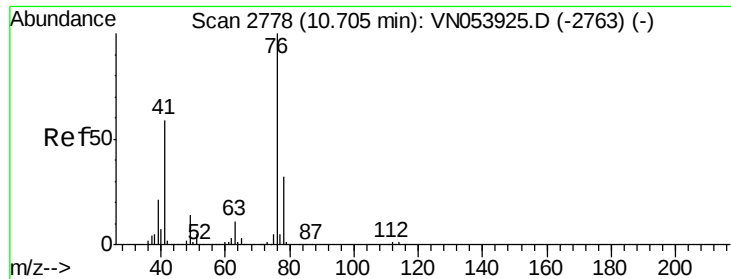
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

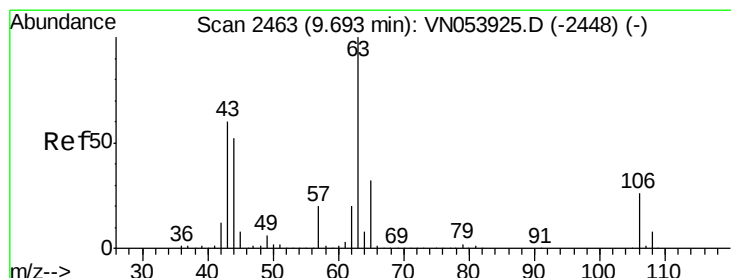
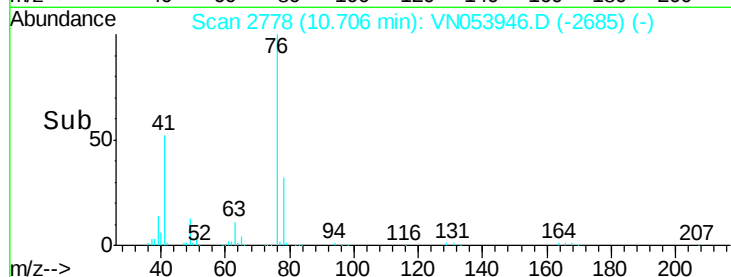
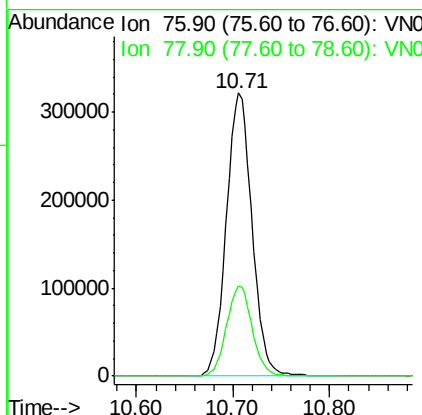
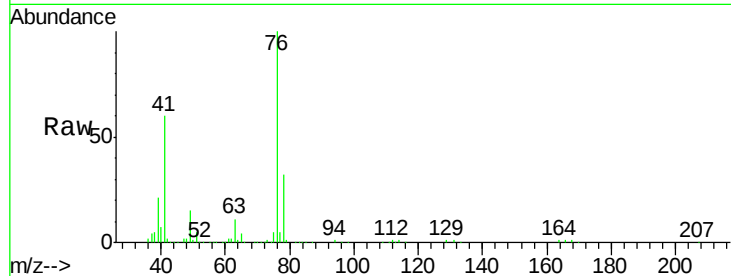




#57
 1,3-Dichloropropane
 Concen: 51.398 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

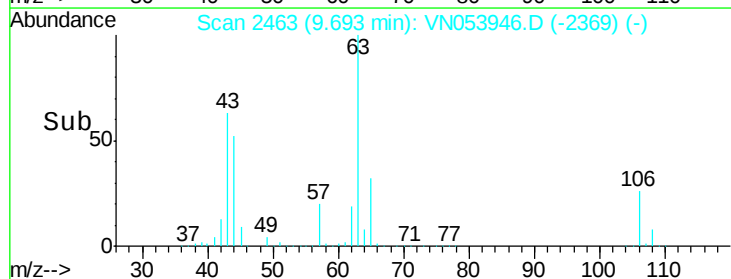
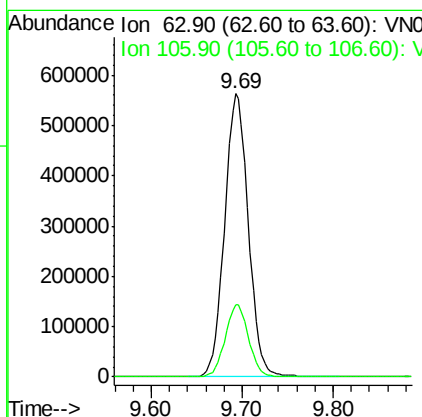
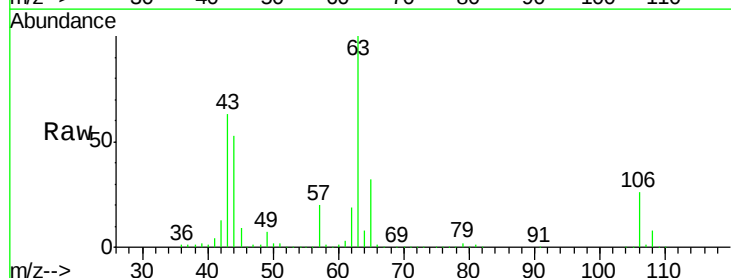
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

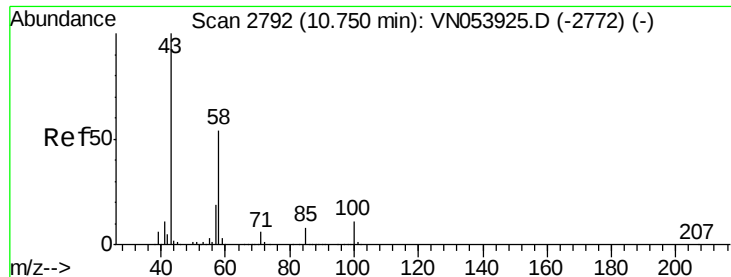
Tot Ion: 76 Resp: 591837
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.163 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 63 Resp: 1018794
 Ion Ratio Lower Upper
 63 100
 106 25.1 22.2 33.2

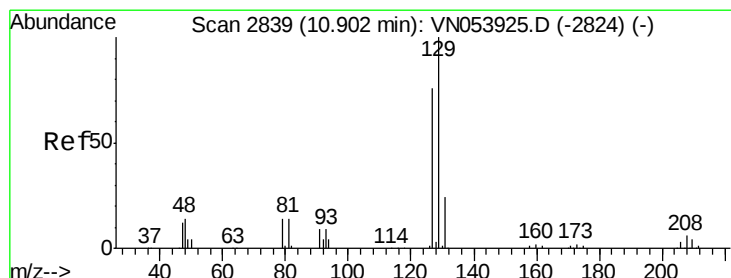
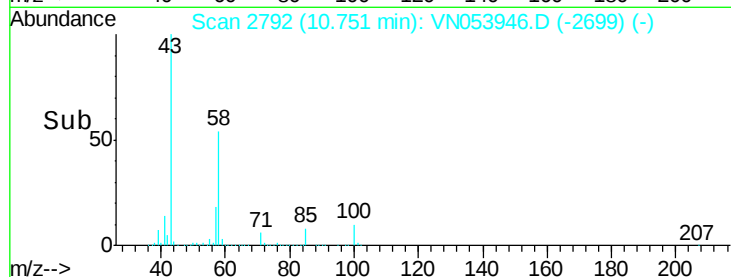
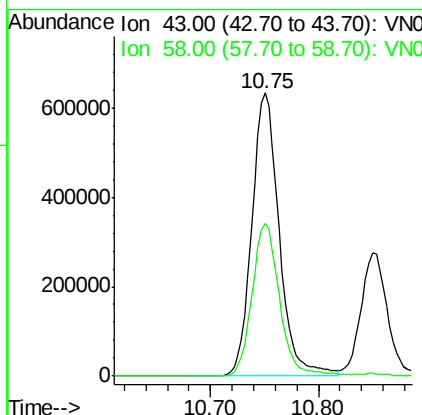
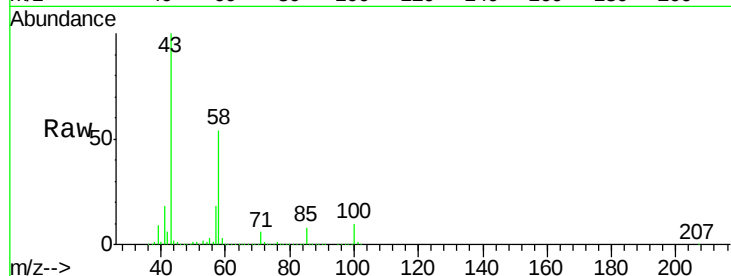




#59
2-Hexanone
Concen: 273.258 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

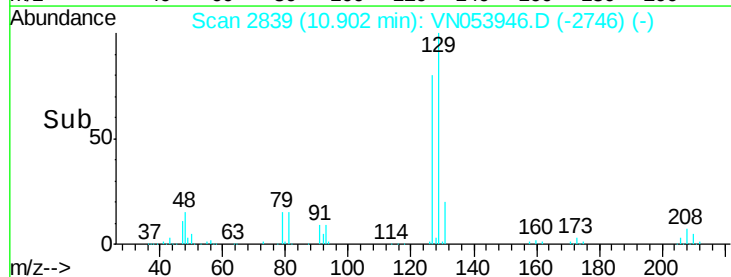
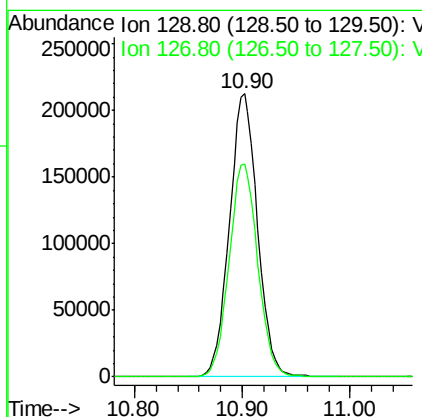
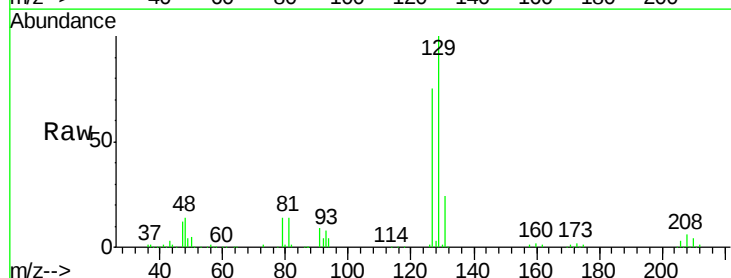
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

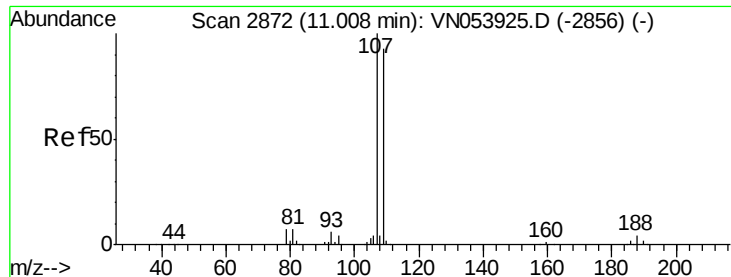
Tot Ion: 43 Resp: 1110701
Ion Ratio Lower Upper
43 100
58 54.4 29.1 87.4



#60
Dibromochloromethane
Concen: 50.970 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 129 Resp: 386046
Ion Ratio Lower Upper
129 100
127 76.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 50.095 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

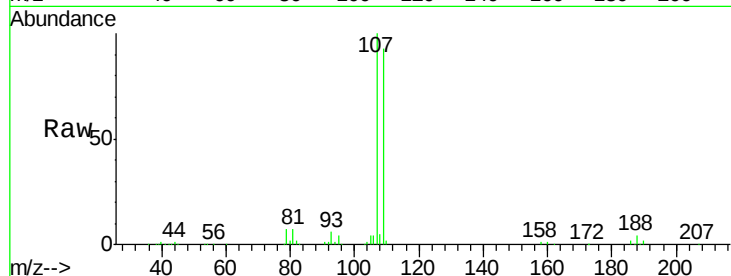
VSTDCCC050

Tot Ion:107 Resp: 329330

Ion Ratio Lower Upper

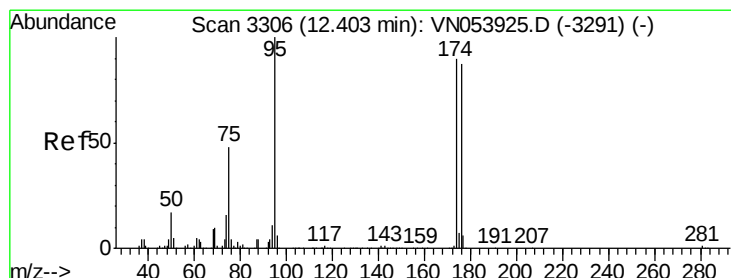
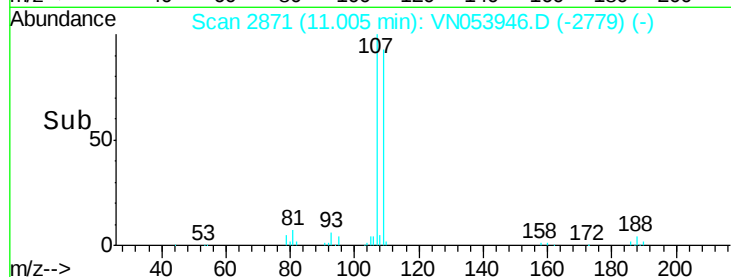
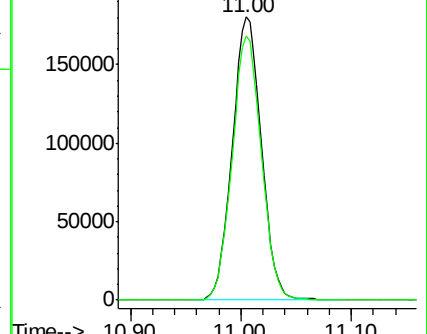
107 100

109 94.2 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.615 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

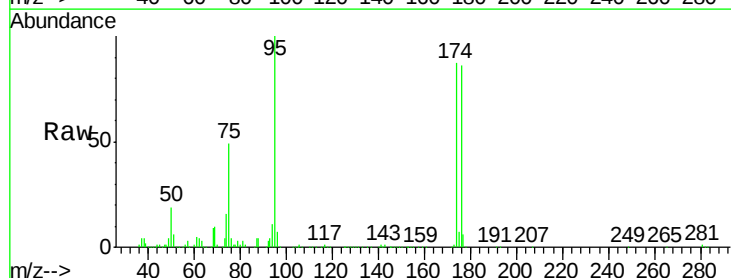
Tgt Ion: 95 Resp: 449052

Ion Ratio Lower Upper

95 100

174 87.6 0.0 188.8

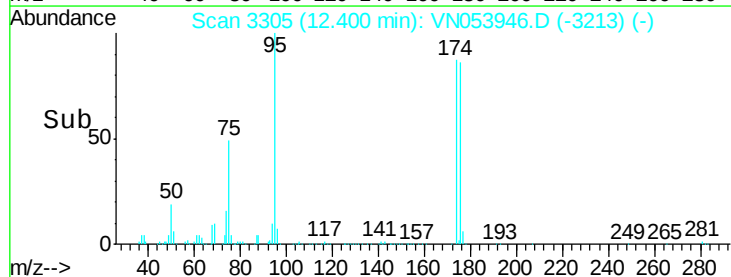
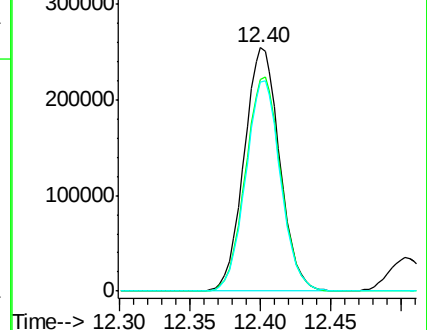
176 84.9 0.0 182.6

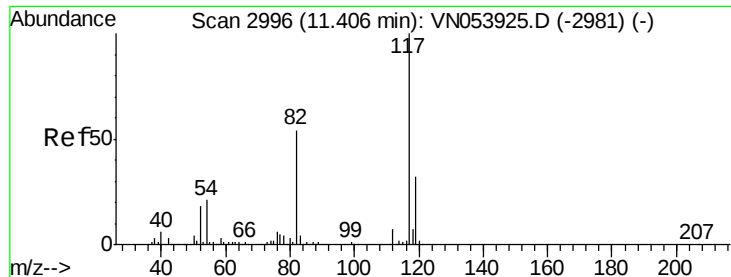


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

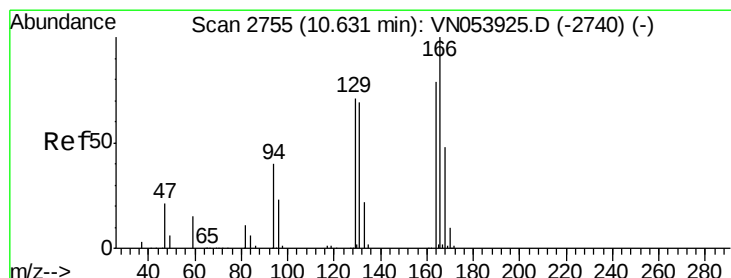
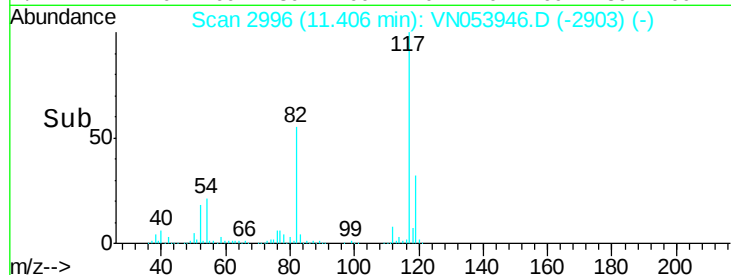
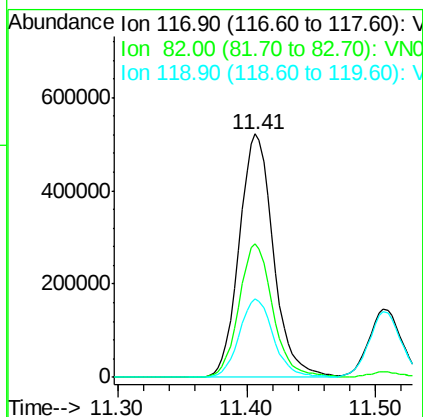
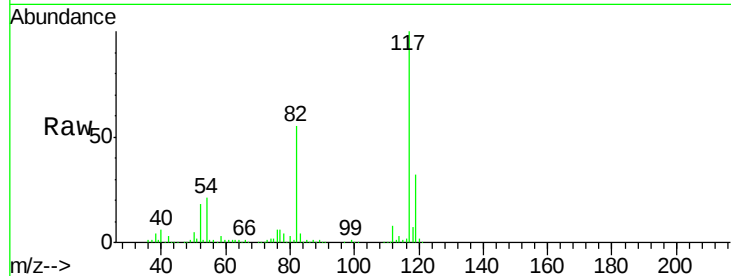




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

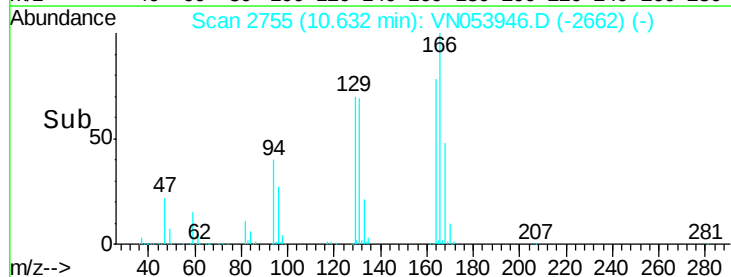
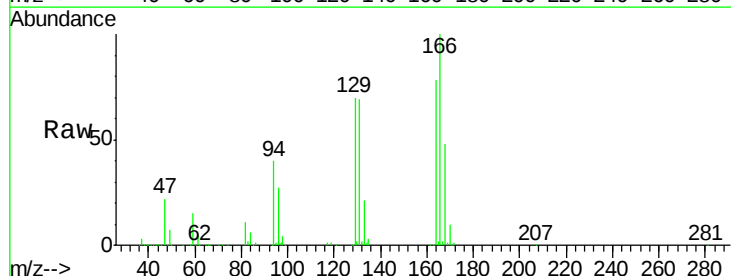
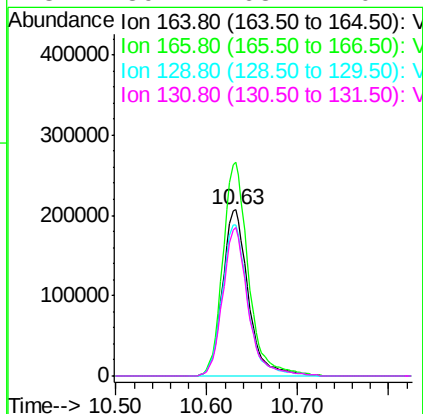
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

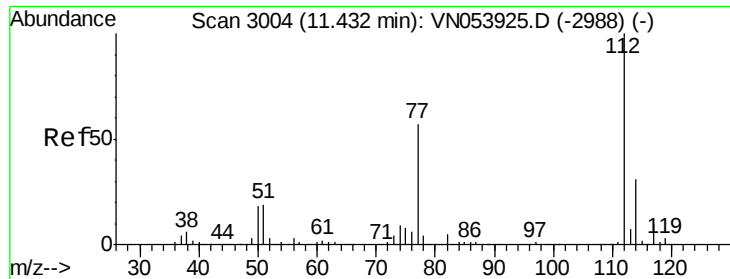
Tot Ion:117 Resp: 963225
Ion Ratio Lower Upper
117 100
82 54.9 41.4 62.2
119 32.2 25.3 37.9



#64
Tetrachloroethene
Concen: 49.878 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion:164 Resp: 406821
Ion Ratio Lower Upper
164 100
166 128.5 102.6 153.8
129 90.6 69.4 104.0
131 89.1 68.1 102.1





#65

Chlorobenzene

Concen: 50.063 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

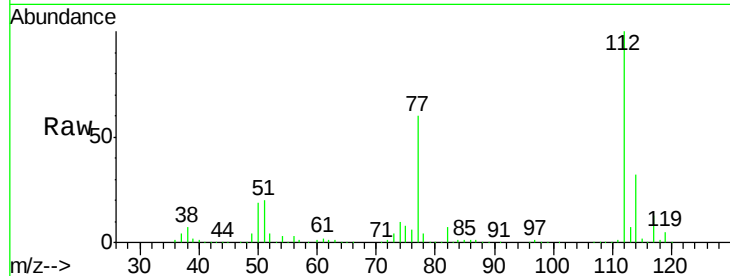
VSTDCCC050

Tot Ion:112 Resp: 1017715

Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

600000

500000

400000

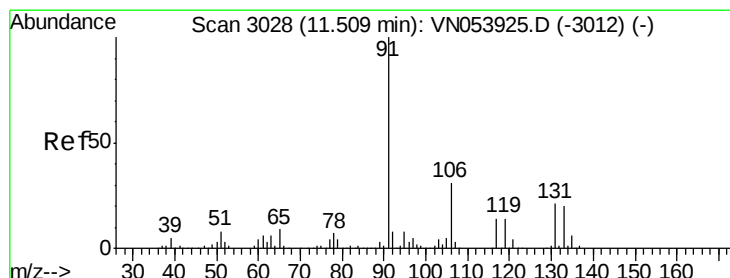
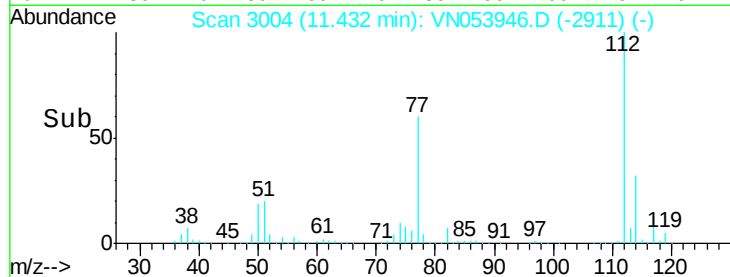
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.608 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

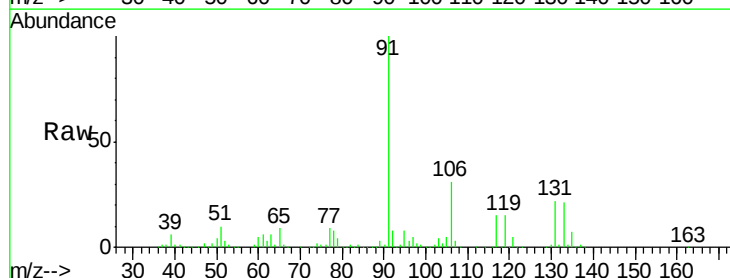
Tgt Ion:131 Resp: 370781

Ion Ratio Lower Upper

131 100

133 96.0 47.7 143.1

119 66.3 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

250000

200000

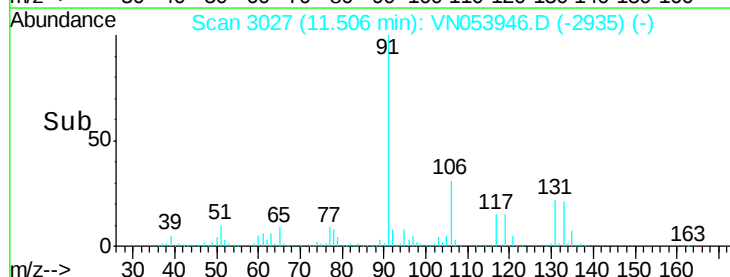
150000

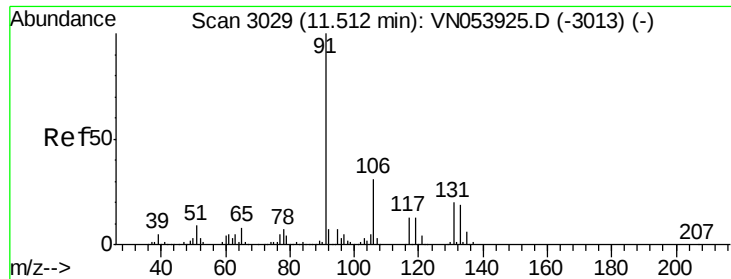
100000

50000

0

Time-->

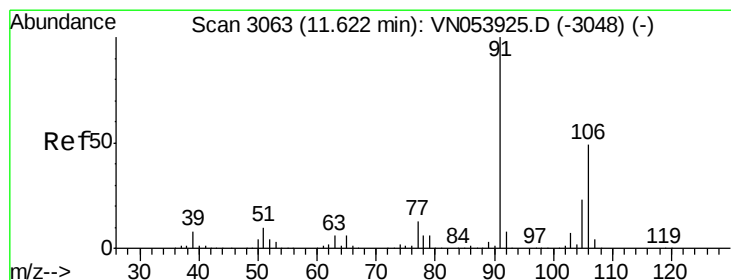
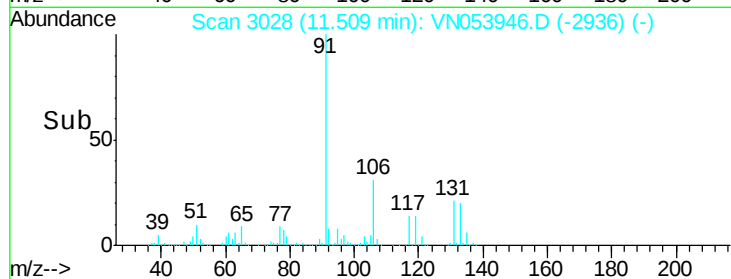
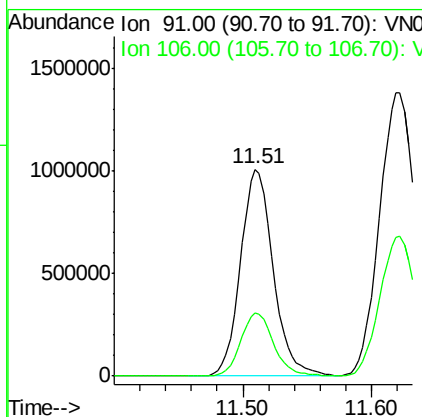
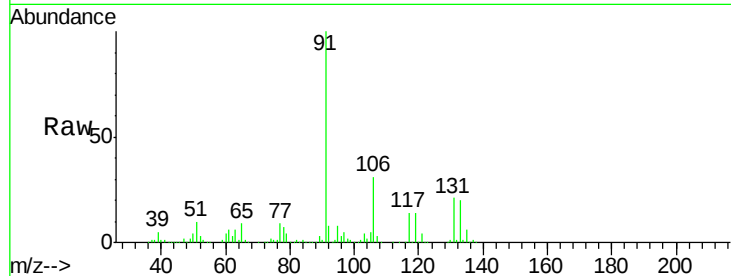




#67
Ethyl Benzene
Concen: 52.353 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

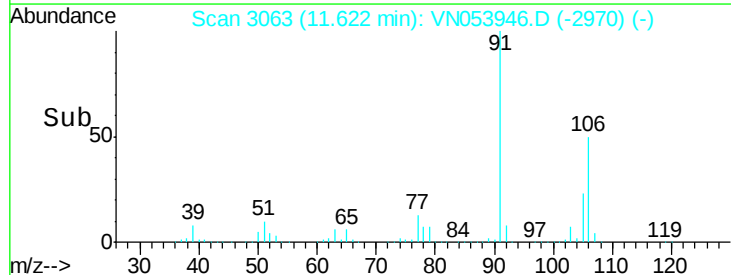
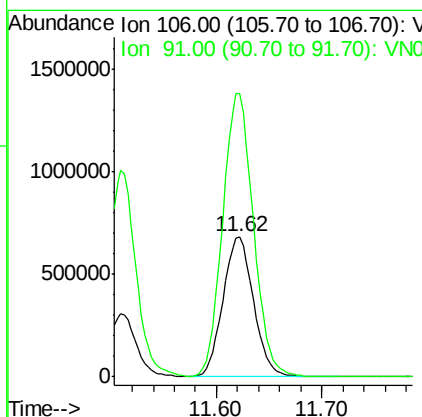
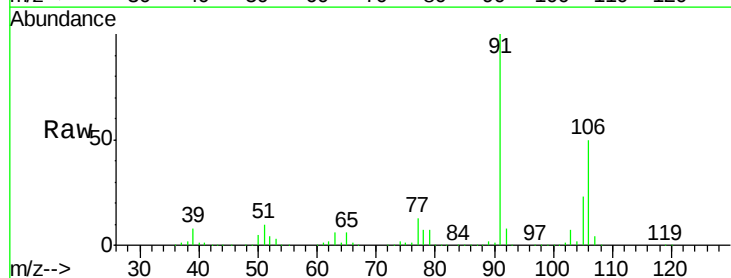
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

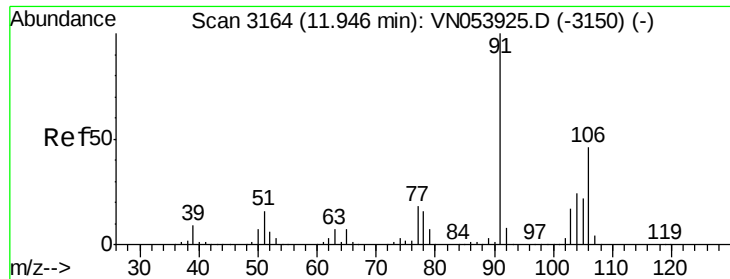
Tot Ion: 91 Resp: 1784143
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8



#68
m/p-Xylenes
Concen: 106.778 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 106 Resp: 1373414
Ion Ratio Lower Upper
106 100
91 202.8 158.9 238.3

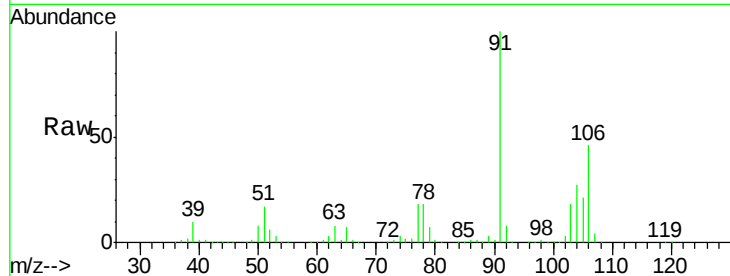




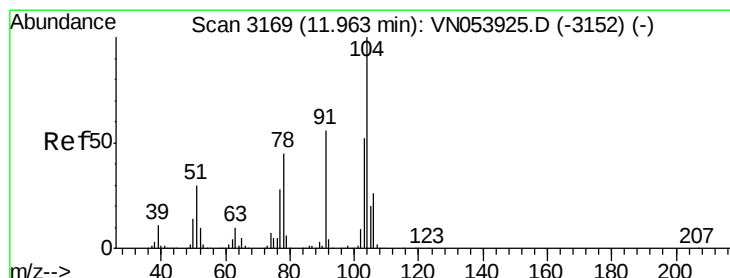
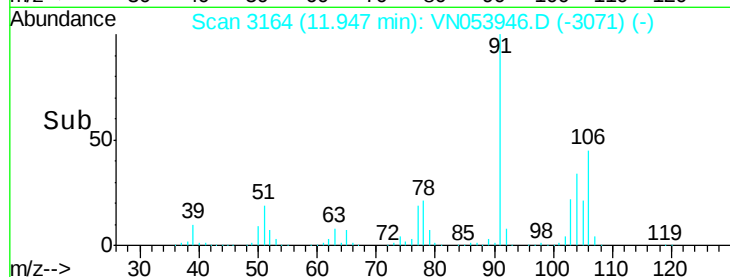
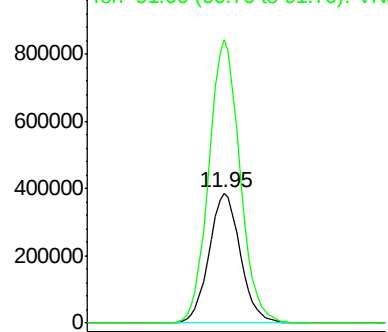
#69
o-Xylene
Concen: 51.509 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 650980
Ion Ratio Lower Upper
106 100
91 217.0 106.0 318.0

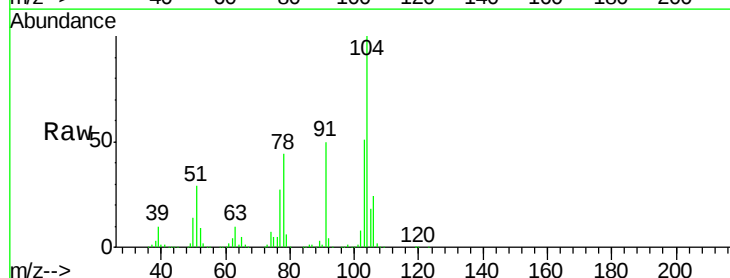


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

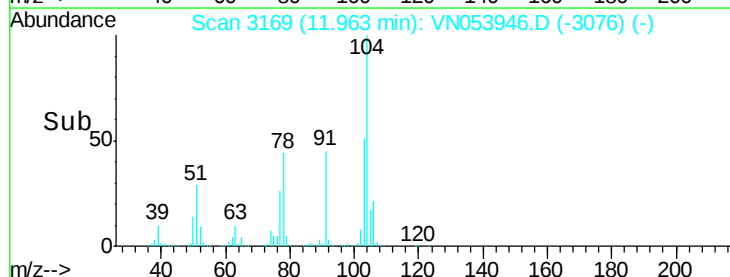
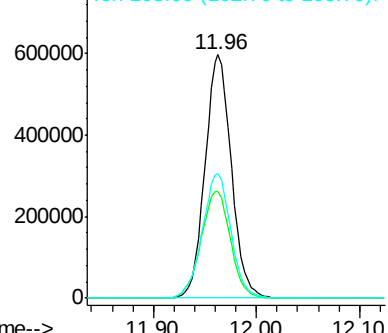


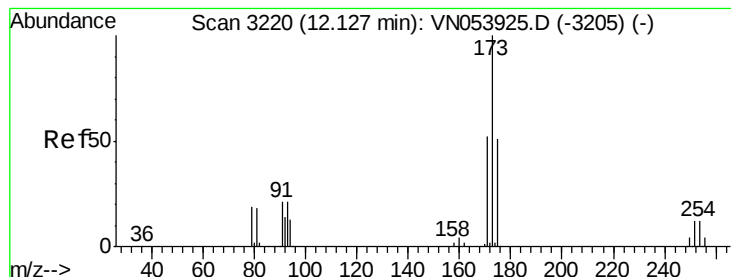
#70
Styrene
Concen: 54.617 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion:104 Resp: 1061703
Ion Ratio Lower Upper
104 100
78 49.0 38.1 57.1
103 55.6 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.647 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

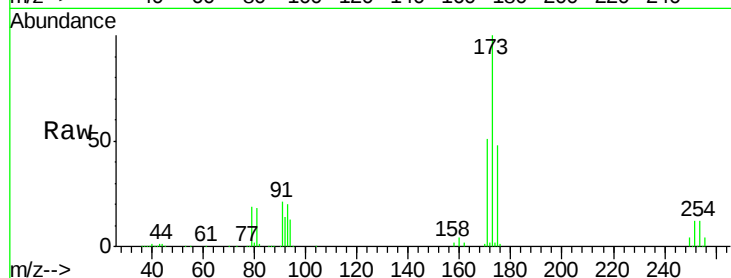
Tot Ion:173 Resp: 258146

Ion Ratio Lower Upper

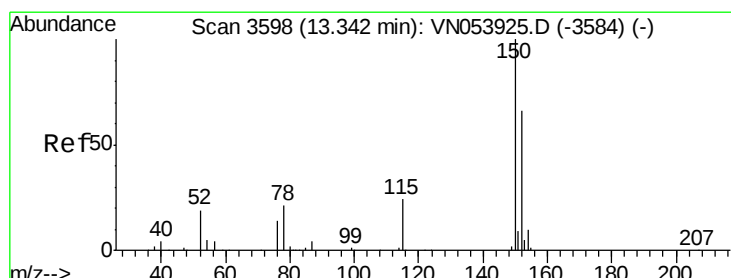
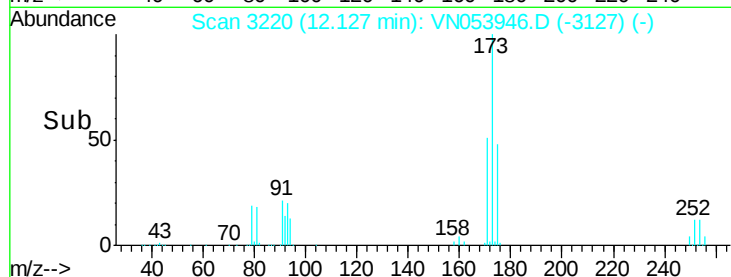
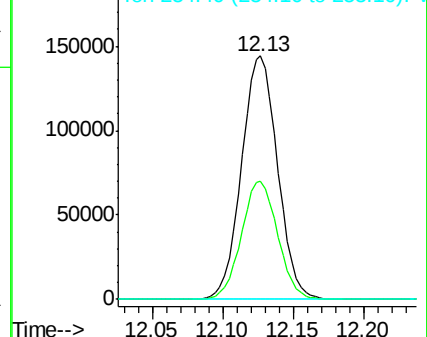
173 100

175 48.9 24.3 72.8

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

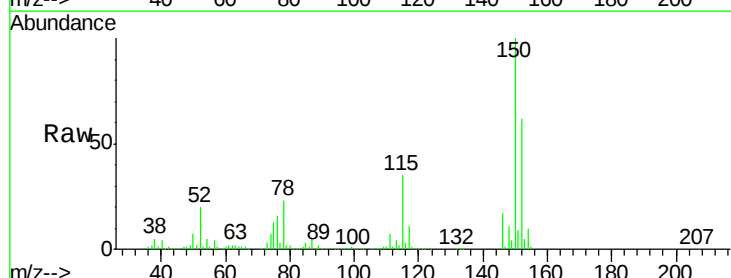
Tgt Ion:152 Resp: 454304

Ion Ratio Lower Upper

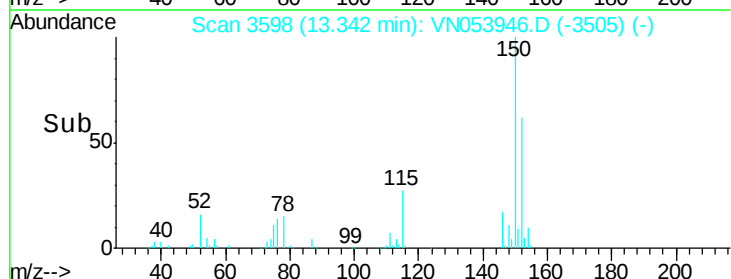
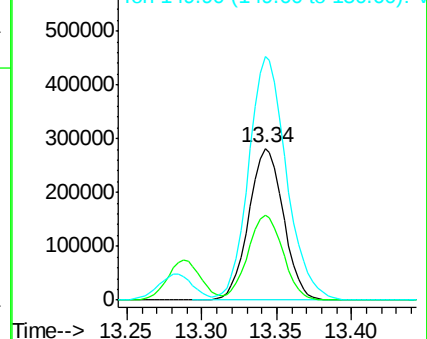
152 100

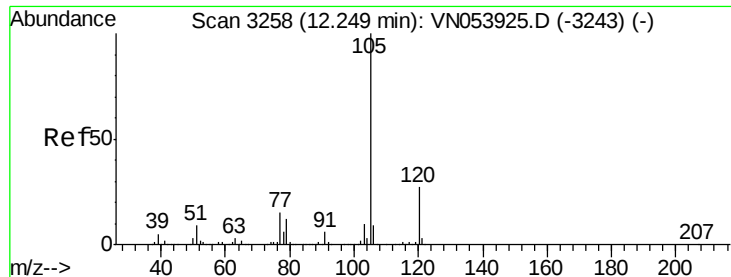
115 56.7 27.2 81.6

150 175.2 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.846 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

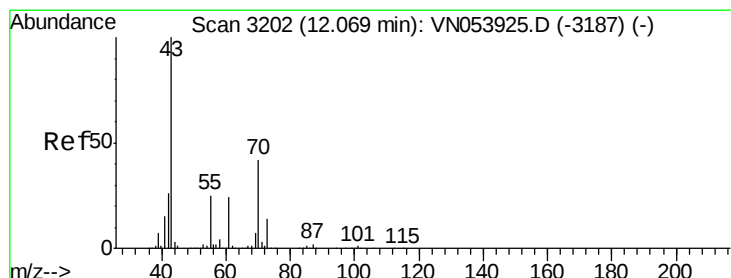
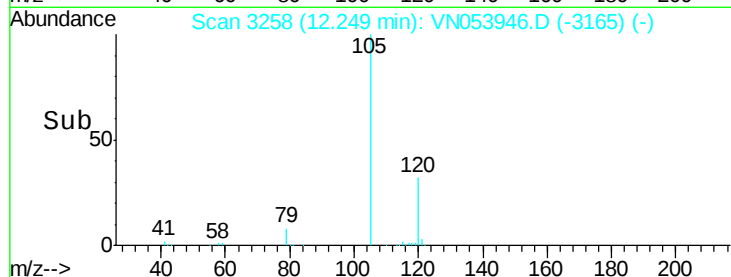
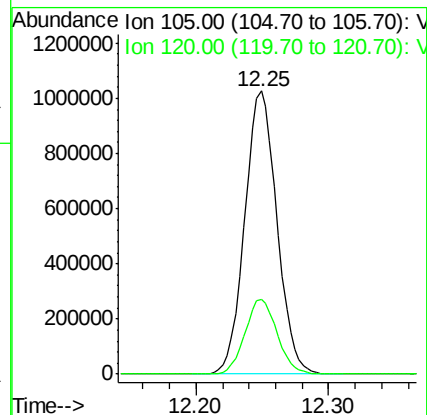
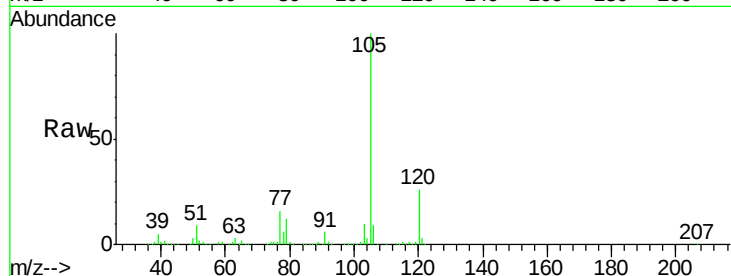
VSTDCCC050

Tot Ion:105 Resp: 1727415

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5



#74

N-ethyl acetate

Concen: 51.091 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion: 43 Resp: 473559

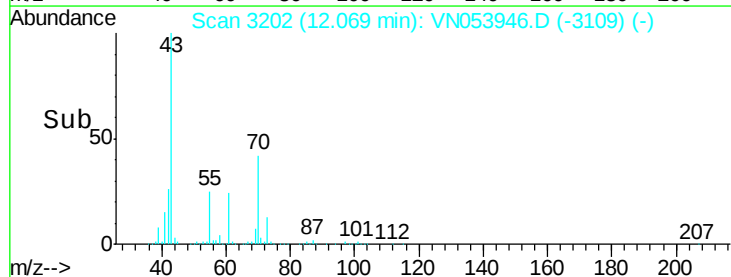
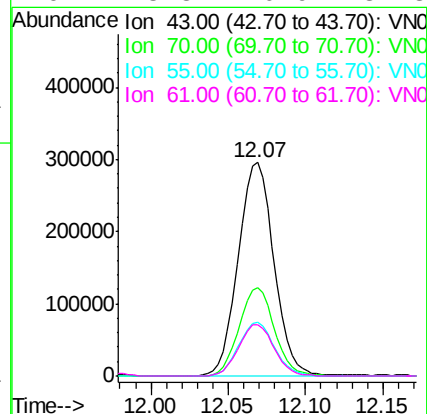
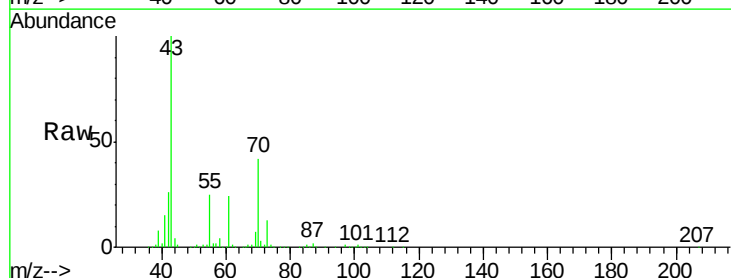
Ion Ratio Lower Upper

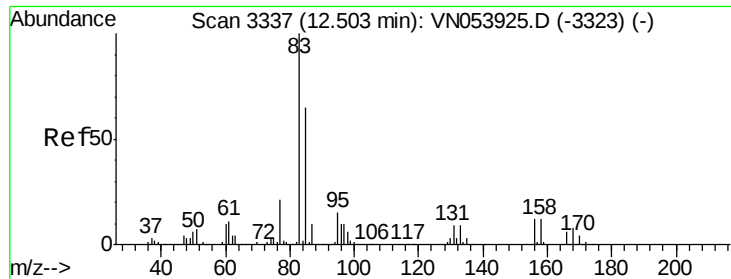
43 100

70 41.2 37.4 56.2

55 25.5 21.4 32.0

61 23.8 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 46.532 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

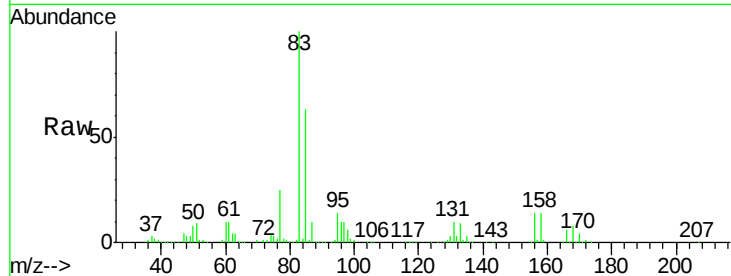
Tot Ion: 83 Resp: 411502

Ion Ratio Lower Upper

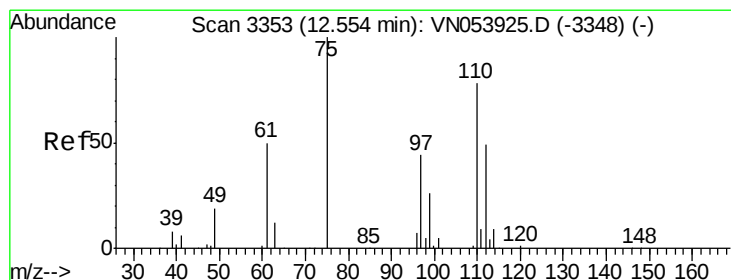
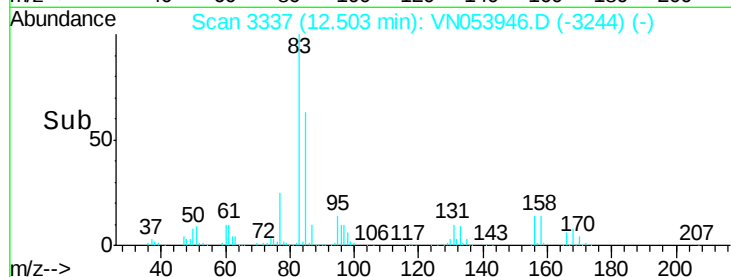
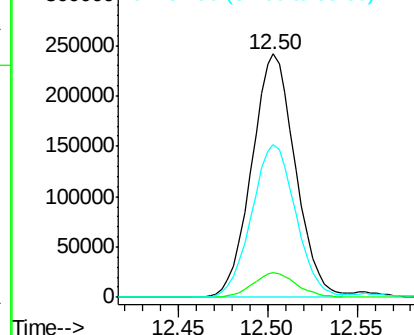
83 100

131 10.2 5.3 16.1

85 63.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 70.601 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053946.D

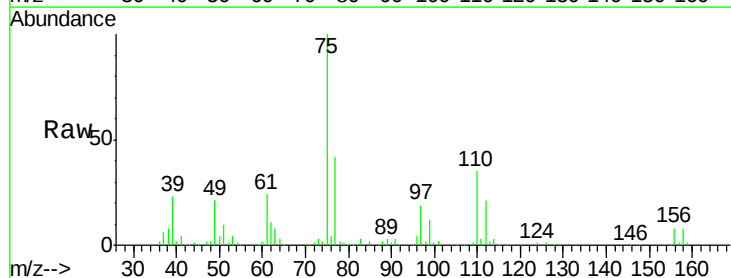
Acq: 26 Feb 2019 11:03

Tgt Ion: 75 Resp: 514525

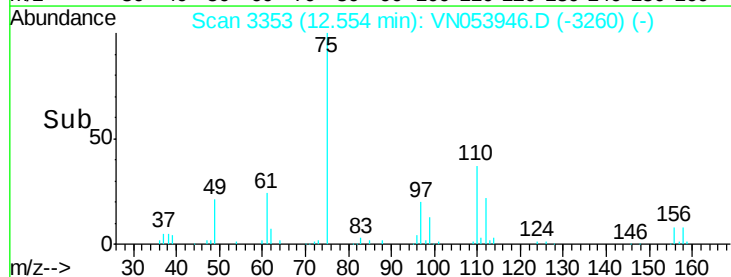
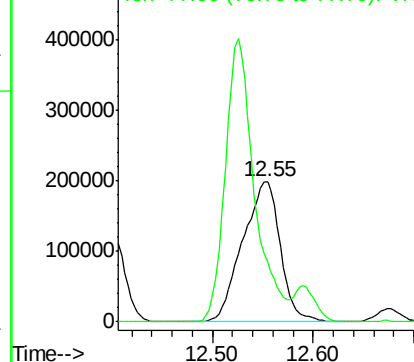
Ion Ratio Lower Upper

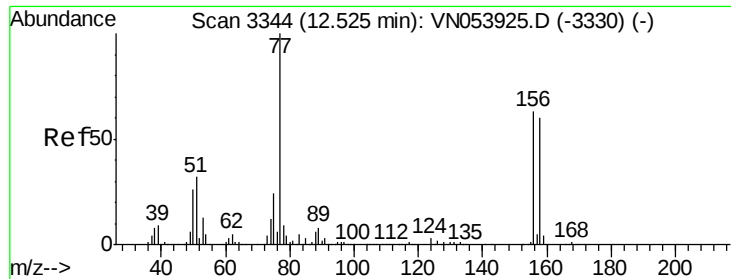
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.818 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

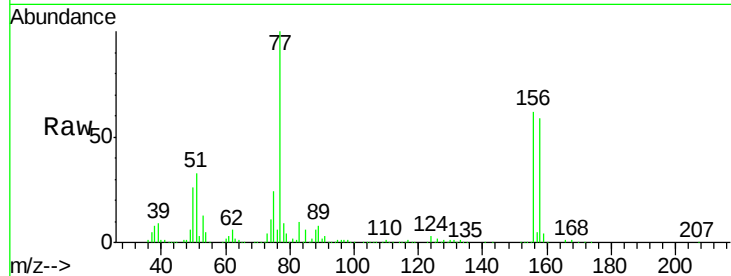
Tot Ion:156 Resp: 429349

Ion Ratio Lower Upper

156 100

77 188.0 84.0 252.2

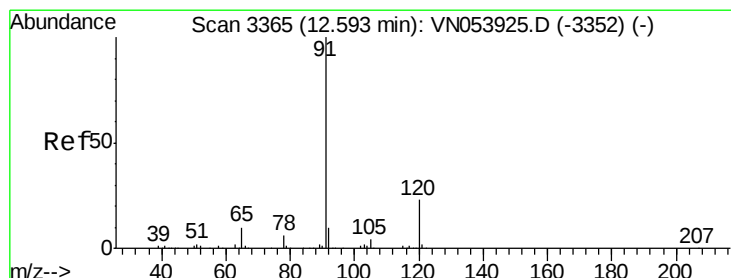
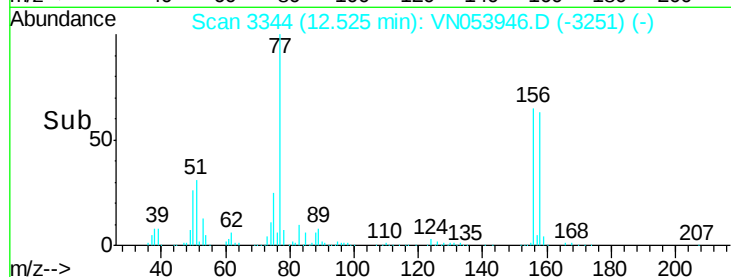
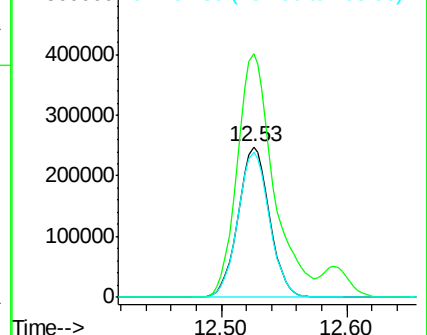
158 97.6 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.625 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053946.D

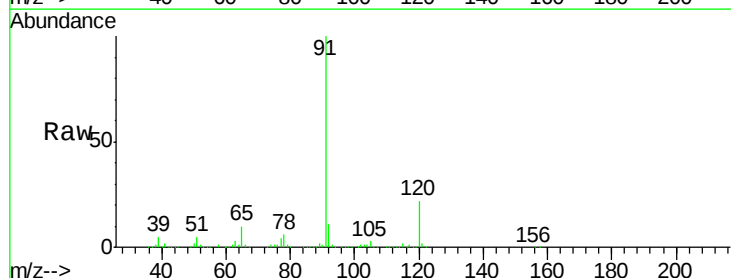
Acq: 26 Feb 2019 11:03

Tgt Ion: 91 Resp: 2076291

Ion Ratio Lower Upper

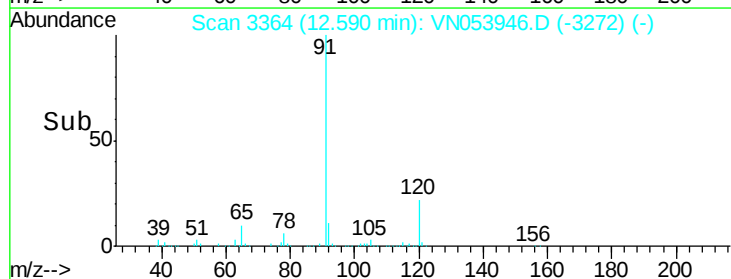
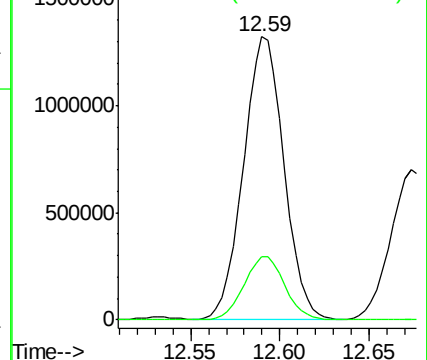
91 100

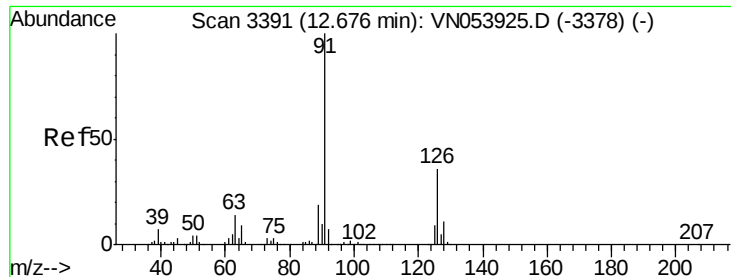
120 22.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.374 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampled :

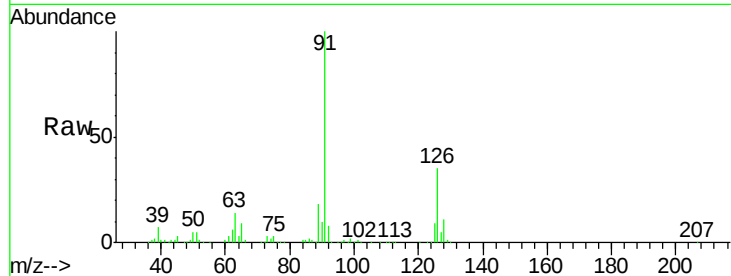
VSTDCCC050

Tot Ion: 91 Resp: 1192884

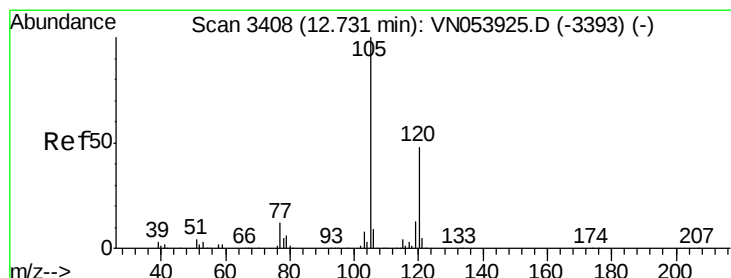
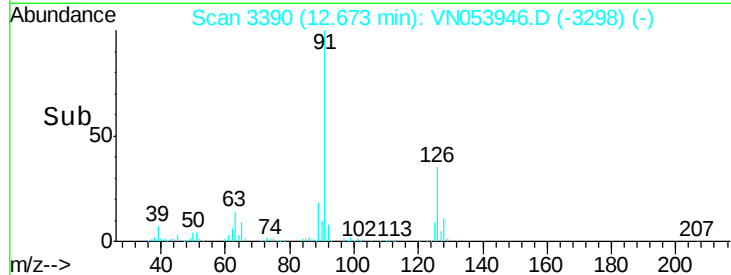
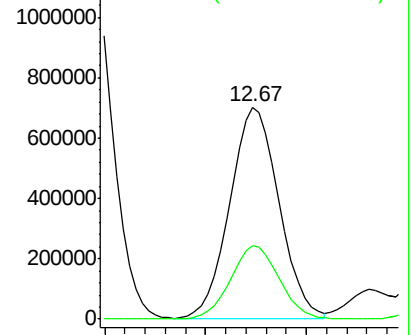
Ion Ratio Lower Upper

91 100

126 34.6 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.259 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053946.D

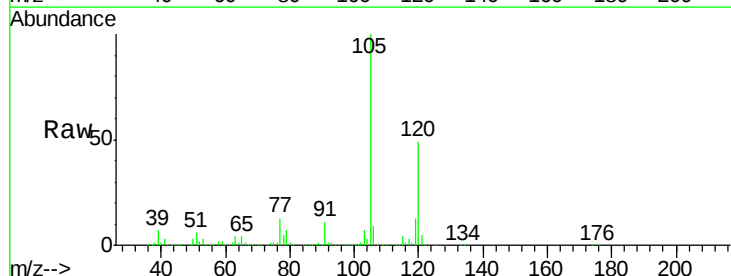
Acq: 26 Feb 2019 11:03

Tgt Ion:105 Resp: 1484034

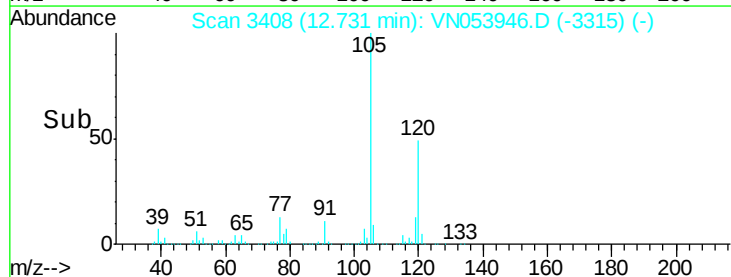
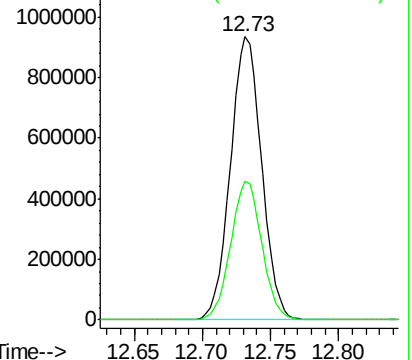
Ion Ratio Lower Upper

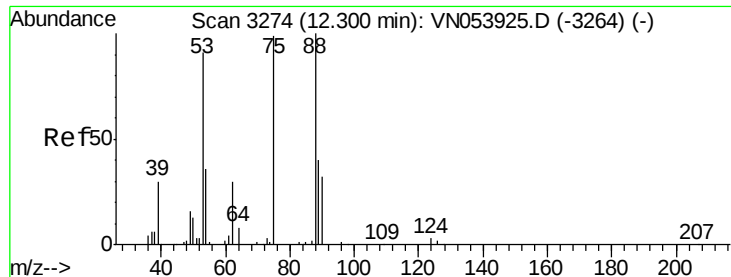
105 100

120 48.9 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053925.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.875 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

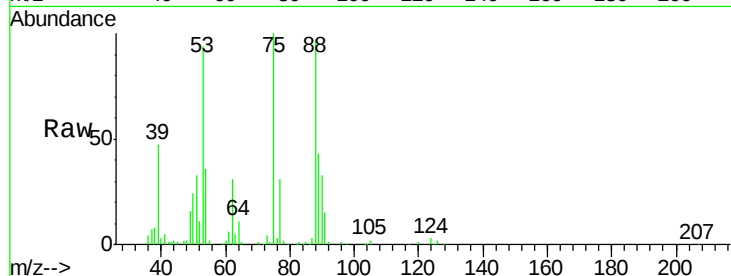
Tot Ion: 75 Resp: 112697

Ion Ratio Lower Upper

75 100

53 96.5 68.6 102.8

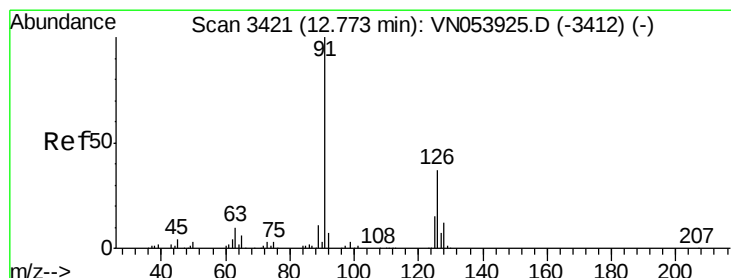
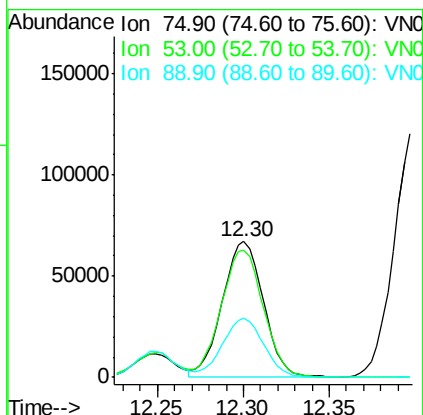
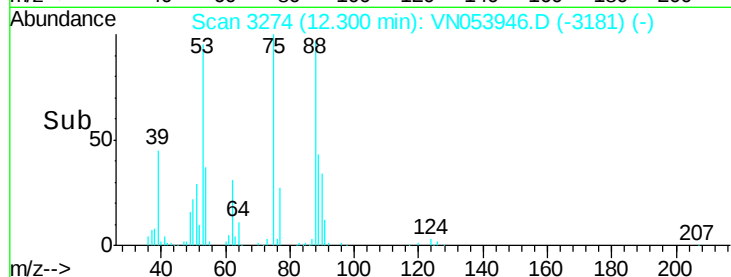
89 43.5 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.824 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053946.D

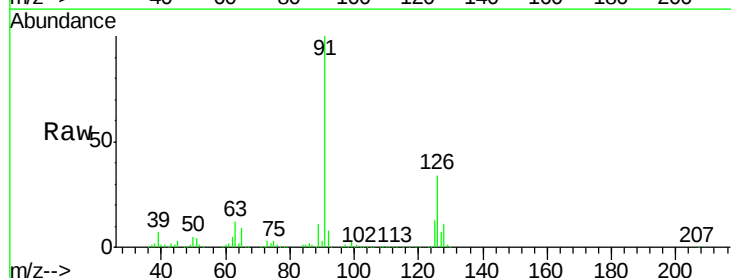
Acq: 26 Feb 2019 11:03

Tgt Ion: 91 Resp: 1213586

Ion Ratio Lower Upper

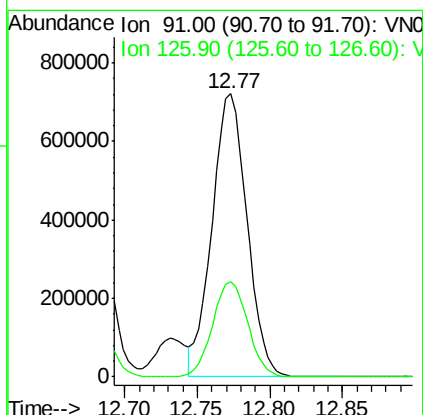
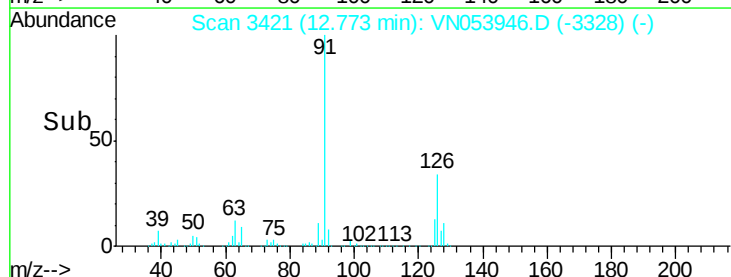
91 100

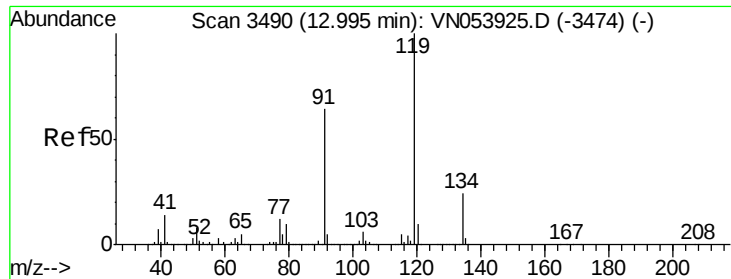
126 34.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

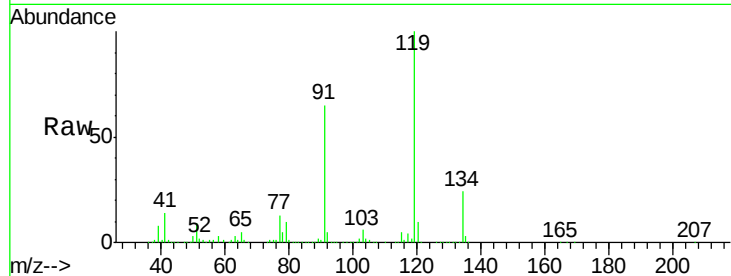




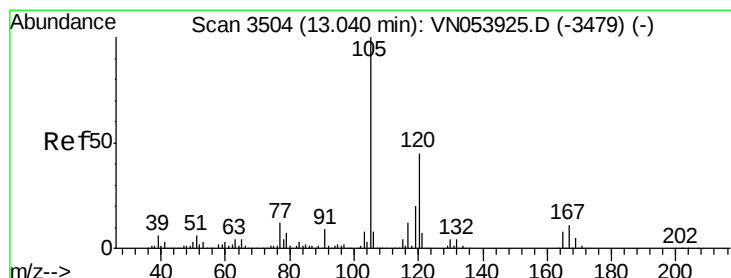
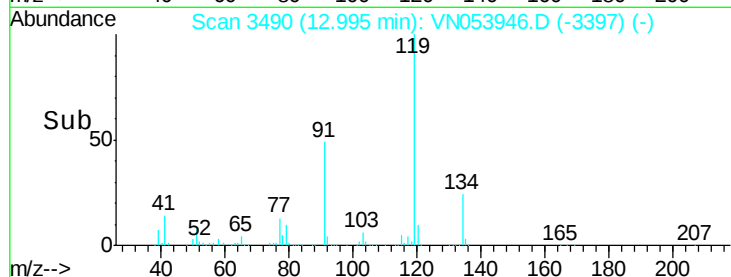
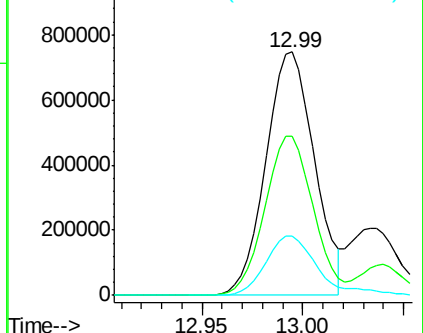
#83
 tert-Butylbenzene
 Concen: 48.794 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1249434
 Ion Ratio Lower Upper
 119 100
 91 64.8 30.6 91.8
 134 26.1 13.0 39.0

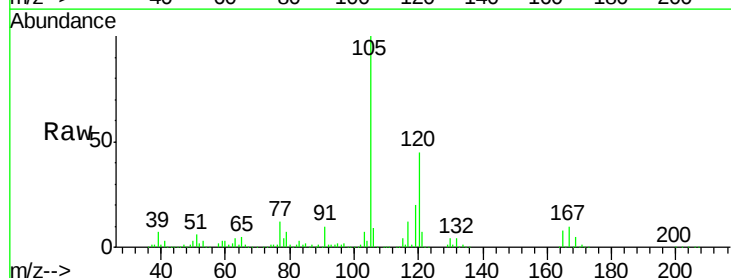


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

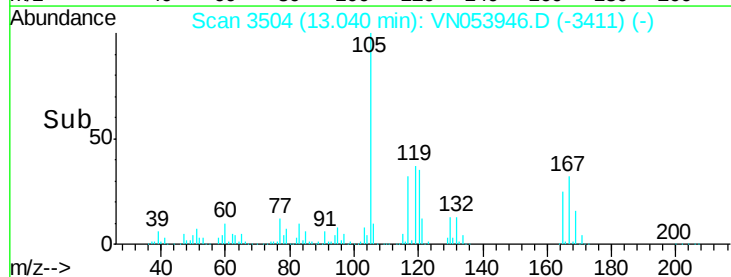
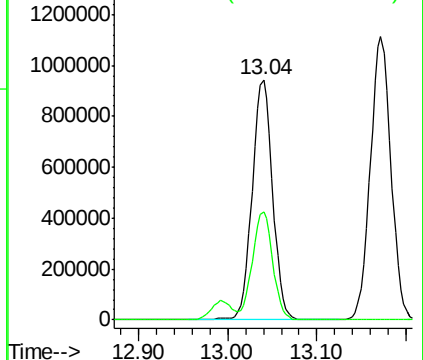


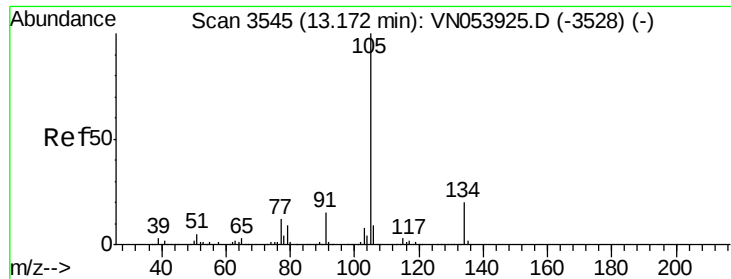
#84
 1,2,4-Trimethylbenzene
 Concen: 52.161 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion:105 Resp: 1507647
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.694 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

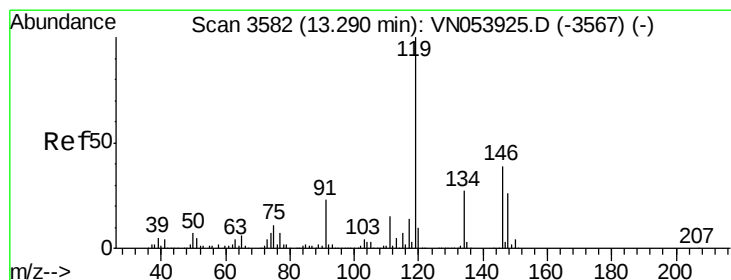
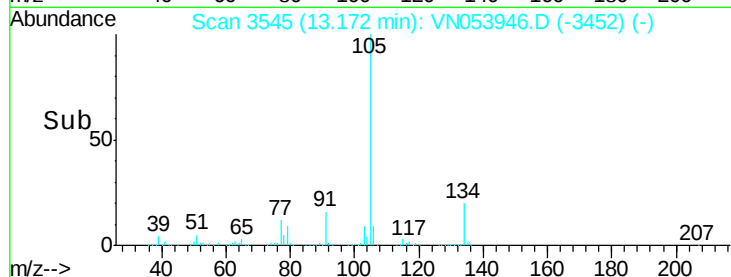
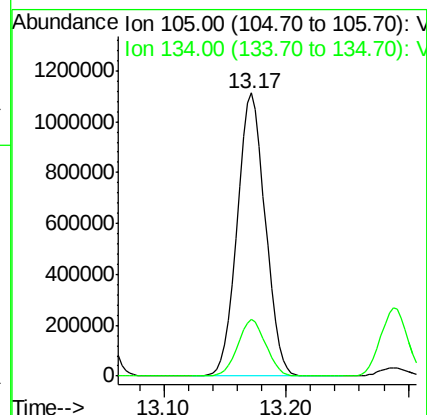
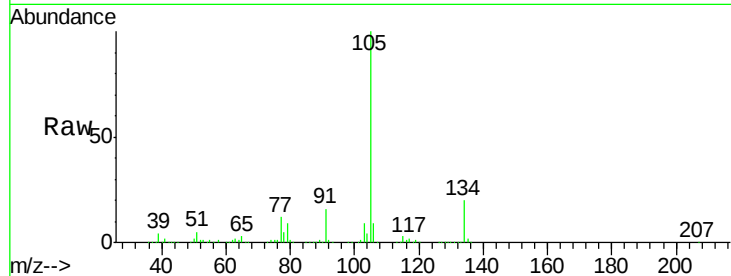
VSTDCCC050

Tot Ion:105 Resp: 1772946

Ion Ratio Lower Upper

105 100

134 19.9 10.4 31.1



#86

p-Isopropyltoluene

Concen: 52.477 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

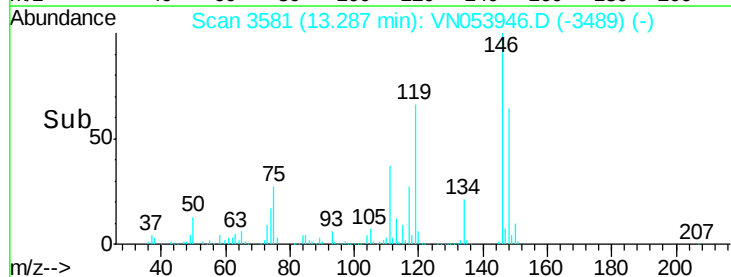
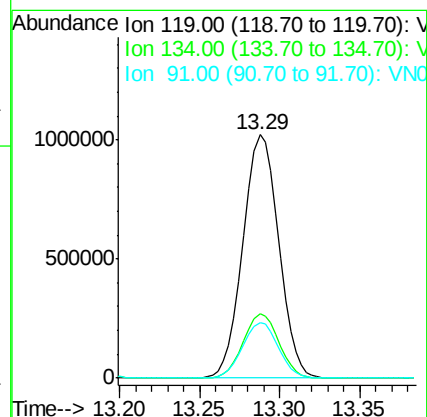
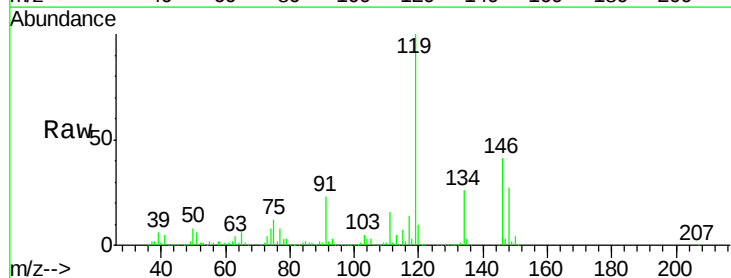
Tgt Ion:119 Resp: 1551521

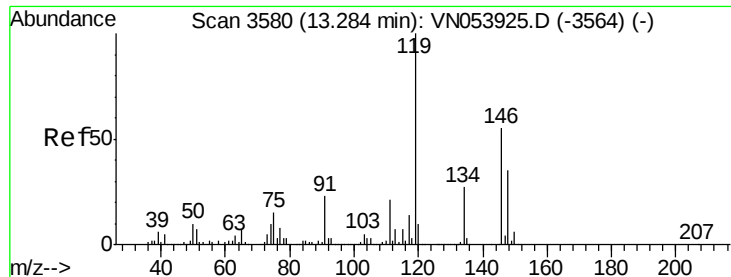
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 22.7 10.9 32.6

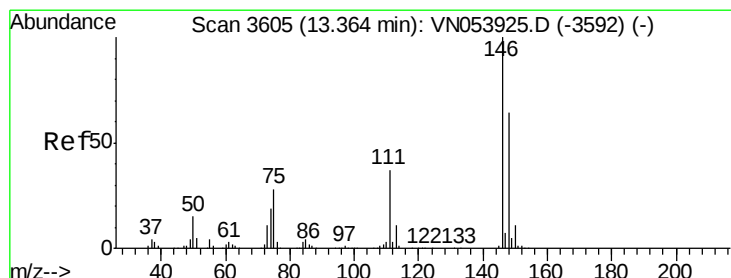
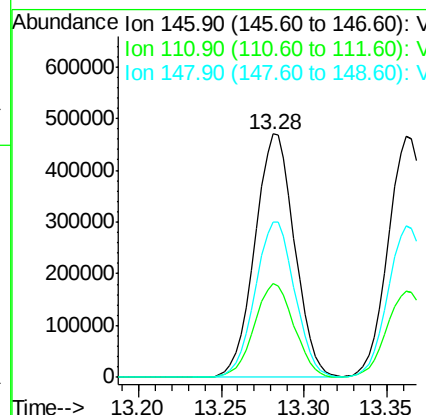
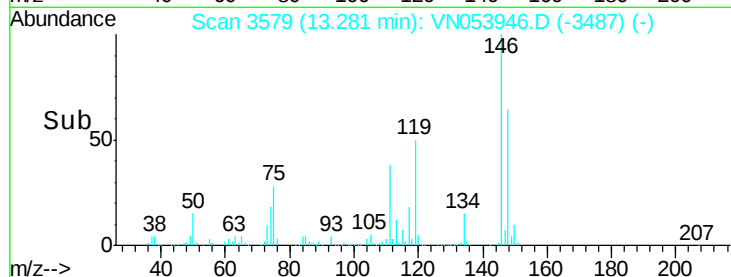
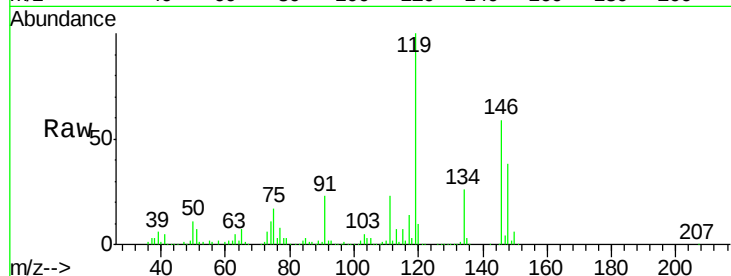




#87
 1,3-Dichlorobenzene
 Concen: 50.383 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

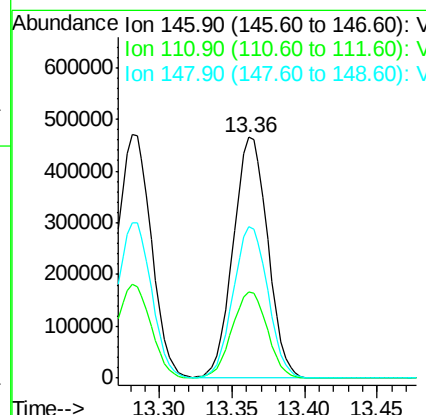
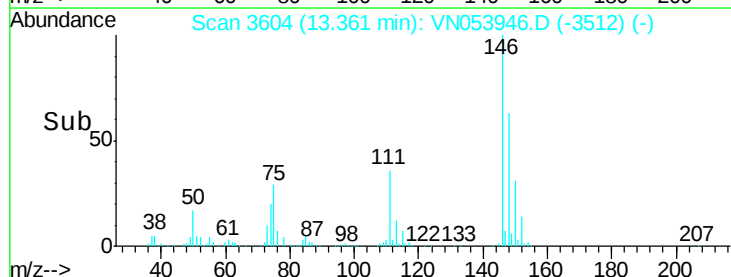
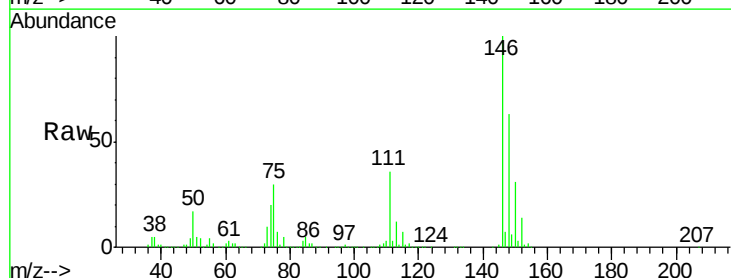
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

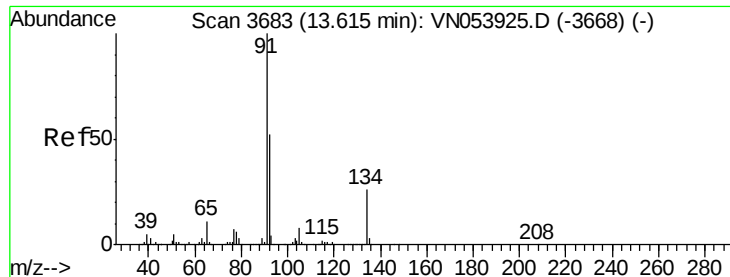
Tot Ion:146 Resp: 782570
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.7 56.1
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 51.031 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion:146 Resp: 768998
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.0 54.0
 148 63.4 32.1 96.5





#89

n-Butylbenzene

Concen: 55.082 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

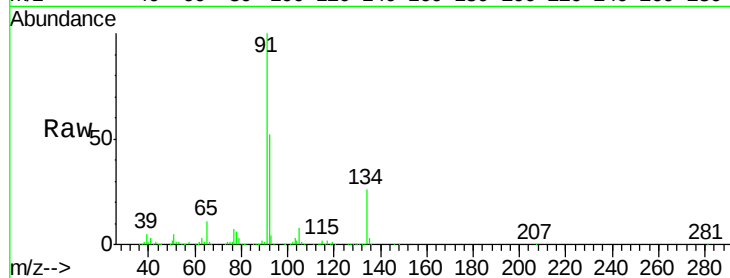
Tot Ion: 91 Resp: 1372470

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.2

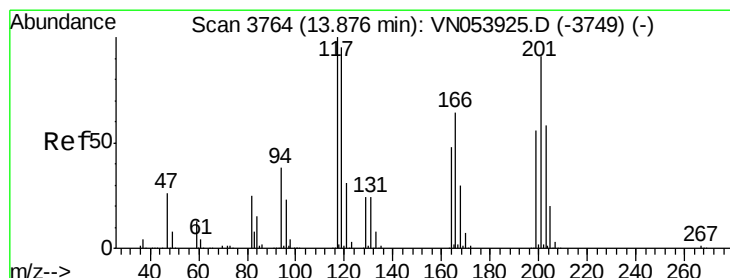
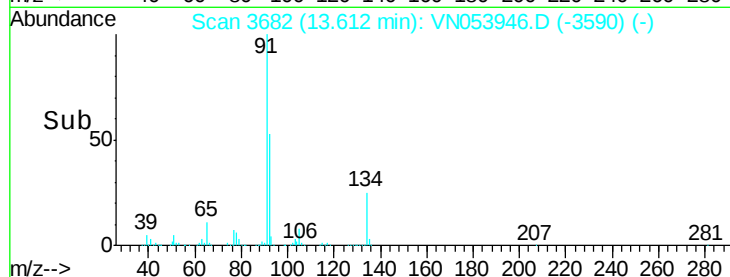
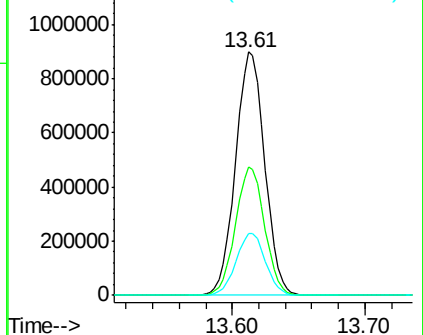
134 25.7 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VN053946.D (-3683) (-)

Ion 92.00 (91.70 to 92.70): VN053946.D (-3683) (-)

Ion 134.00 (133.70 to 134.70): VN053946.D (-3683) (-)



#90

Hexachloroethane

Concen: 47.101 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053946.D

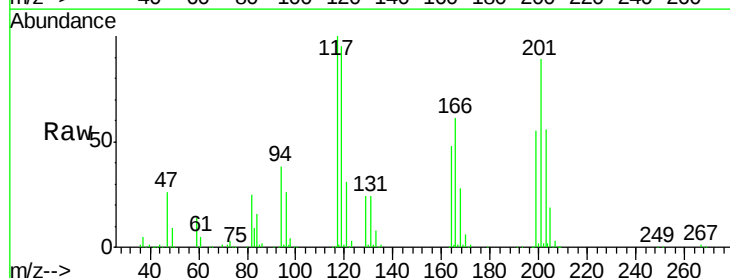
Acq: 26 Feb 2019 11:03

Tgt Ion: 117 Resp: 269853

Ion Ratio Lower Upper

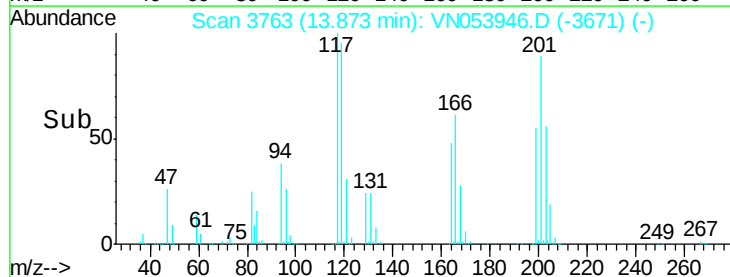
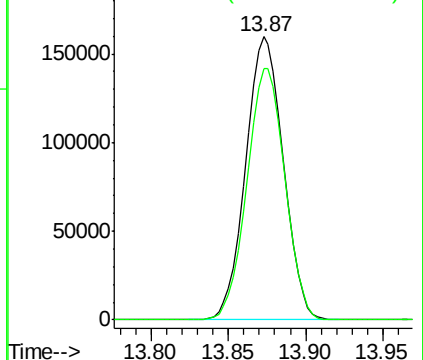
117 100

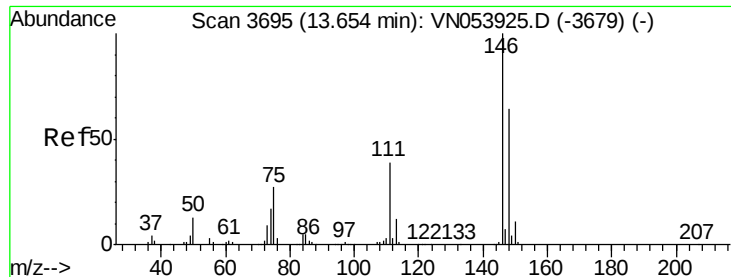
201 89.7 48.0 144.2



Abundance Ion 116.80 (116.50 to 117.50): VN053946.D (-3764) (-)

Ion 200.70 (200.40 to 201.40): VN053946.D (-3764) (-)





#91

1,2-Dichlorobenzene

Concen: 49.798 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

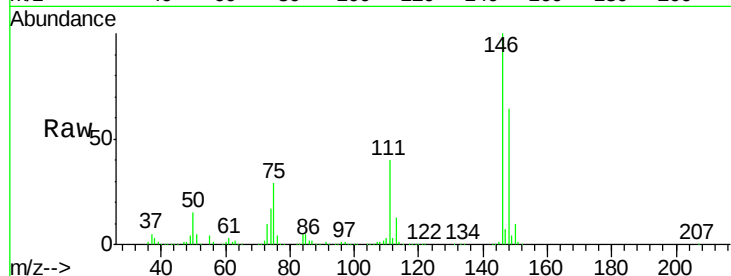
Tot Ion:146 Resp: 748737

Ion Ratio Lower Upper

146 100

111 39.8 19.1 57.5

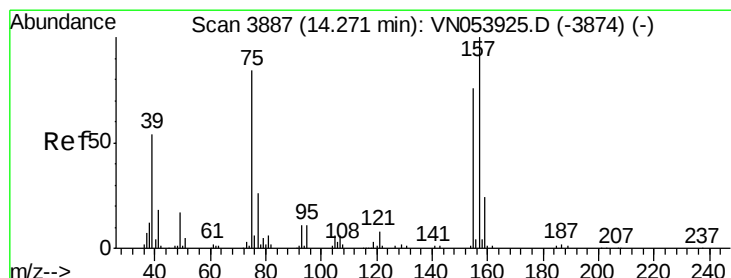
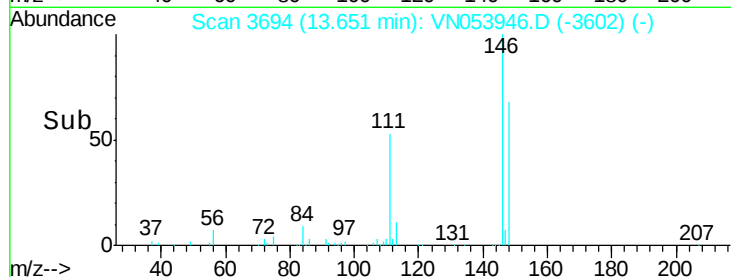
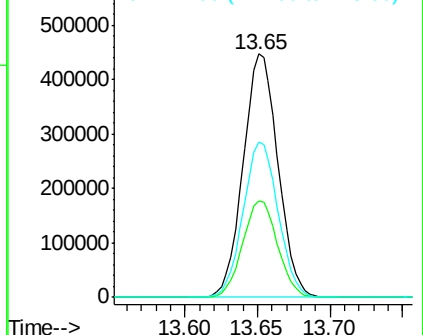
148 64.1 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.011 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

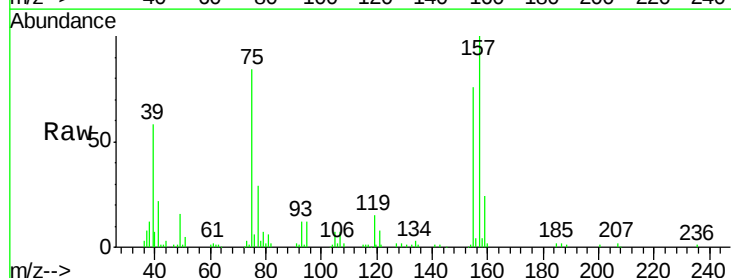
Tgt Ion: 75 Resp: 57502

Ion Ratio Lower Upper

75 100

155 93.6 49.5 148.5

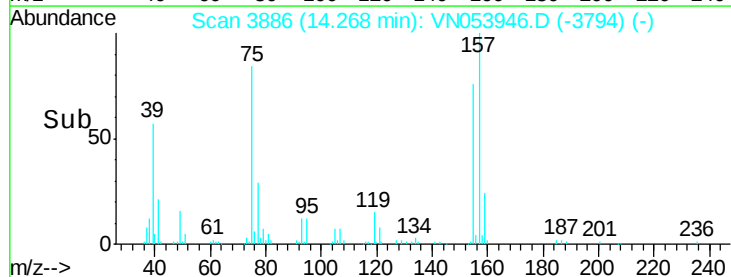
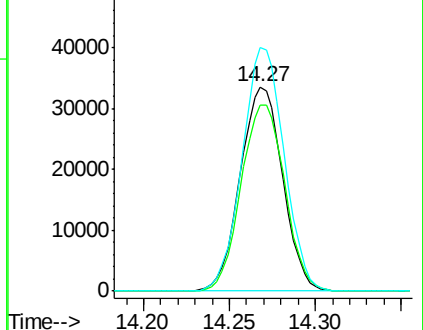
157 118.1 64.8 194.6

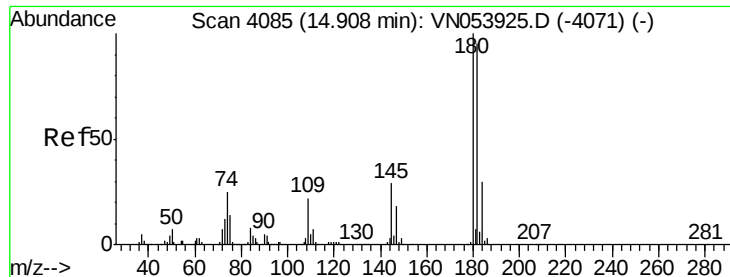


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

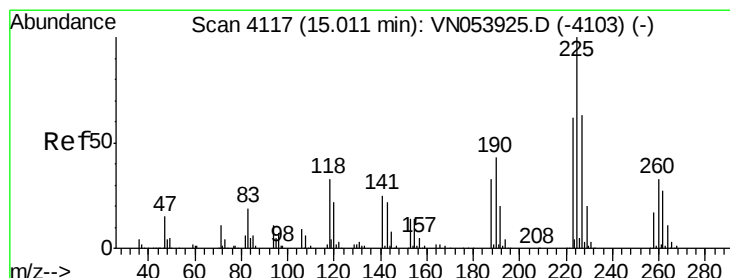
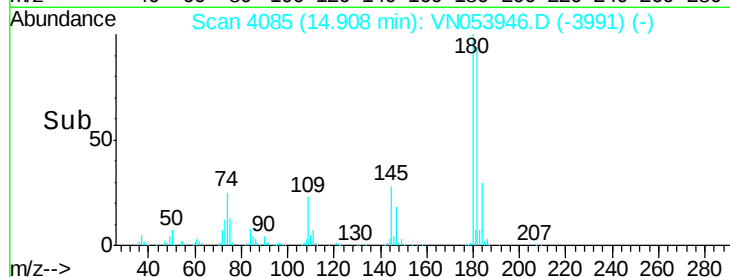
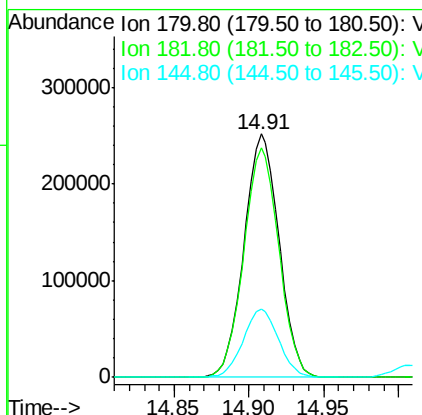
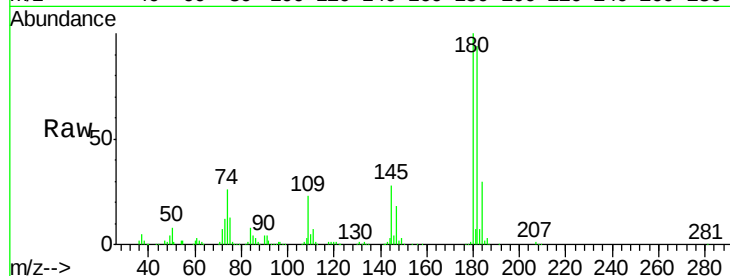




#93
 1,2,4-Trichlorobenzene
 Concen: 49.157 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

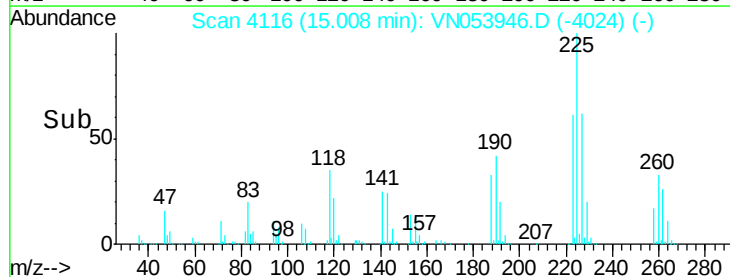
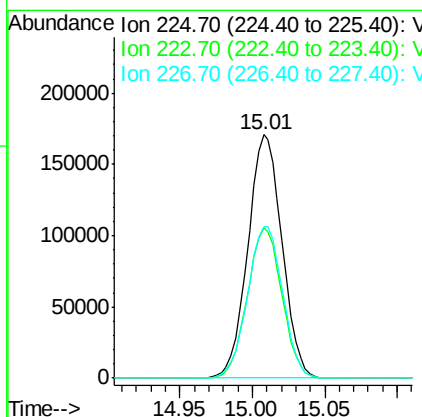
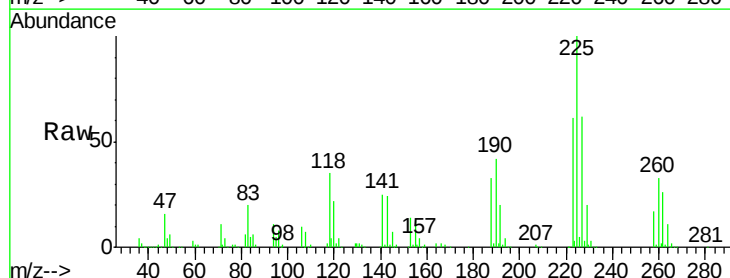
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

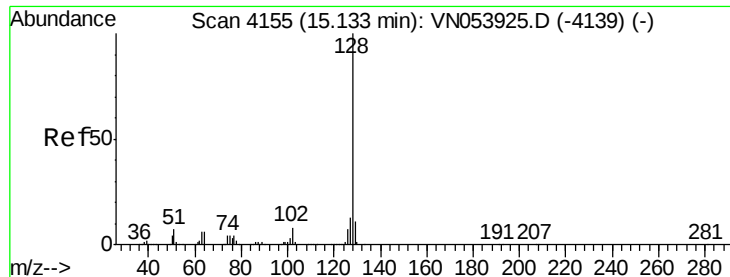
Tot Ion:180 Resp: 410152
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.6 145.9
 145 28.3 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 51.494 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion:225 Resp: 279676
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.9 92.5
 227 64.1 32.5 97.4





#95

Naphthalene

Concen: 44.762 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

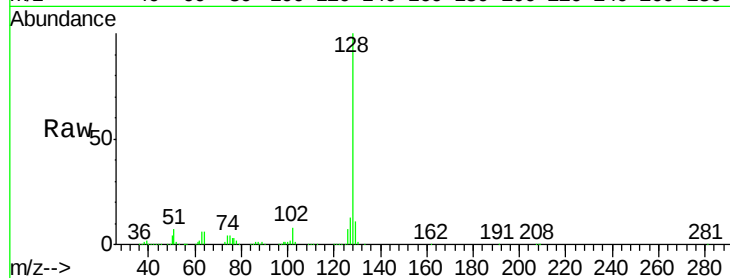
Tot Ion:128 Resp: 798715

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

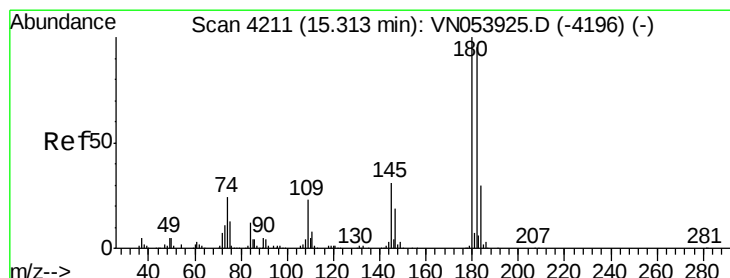
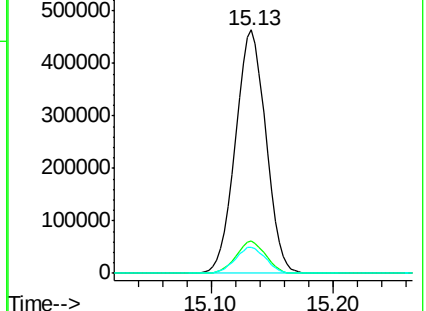
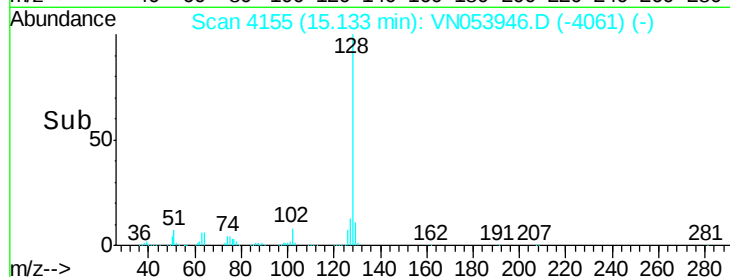
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.132 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

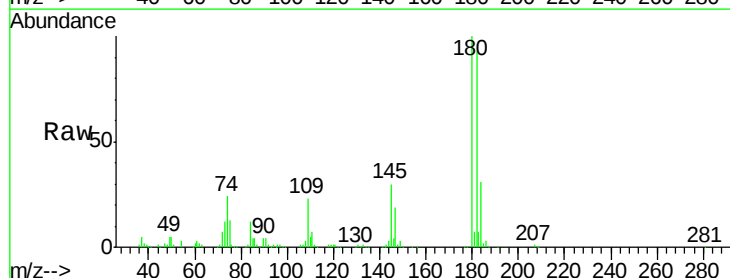
Tgt Ion:180 Resp: 385039

Ion Ratio Lower Upper

180 100

182 93.8 47.3 141.8

145 29.6 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

