

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054032.D
 Acq On : 1 Mar 2019 16:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 02 04:43:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	713257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1070810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	939390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	427218	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	395451	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
35) Dibromofluoromethane	7.59	113	350337	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	10.09	98	1300737	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.40	95	432423	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	301288	45.898	ug/l	99
3) Chloromethane	2.06	50	411555	45.200	ug/l	99
4) Vinyl Chloride	2.19	62	418022	45.821	ug/l	99
5) Bromomethane	2.57	94	253197	41.907	ug/l	99
6) Chloroethane	2.71	64	248752	43.843	ug/l	99
7) Trichlorofluoromethane	3.02	101	529713	45.450	ug/l	100
8) Diethyl Ether	3.41	74	203021	46.495	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	343113	46.613	ug/l	94
10) Methyl Iodide	3.95	142	461449	47.709	ug/l	98
11) Tert butyl alcohol	4.77	59	119665	225.768	ug/l	99
12) 1,1-Dichloroethene	3.74	96	317569	45.103	ug/l	93
13) Acrolein	3.60	56	99576	181.454	ug/l	100
14) Allyl chloride	4.32	41	599959	48.583	ug/l	95
15) Acrylonitrile	4.98	53	662832	237.273	ug/l	98
16) Acetone	3.81	43	635607	289.085	ug/l	94
17) Carbon Disulfide	4.05	76	968296	42.629	ug/l	99
18) Methyl Acetate	4.32	43	296503	50.716	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	901063	47.706	ug/l	98
20) Methylene Chloride	4.55	84	368303	44.507	ug/l	88
21) trans-1,2-Dichloroethene	5.04	96	349209	45.824	ug/l	91
22) Diisopropyl ether	5.95	45	1189419	49.925	ug/l	97
23) Vinyl Acetate	5.89	43	4214470	245.904	ug/l	95
24) 1,1-Dichloroethane	5.85	63	683996	46.817	ug/l	99
25) 2-Butanone	6.83	43	825915	251.579	ug/l	95
26) 2,2-Dichloropropane	6.82	77	510275	49.160	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	396425	46.775	ug/l	93
28) Bromochloromethane	7.19	49	323586	48.388	ug/l	# 81
29) Tetrahydrofuran	7.21	42	510684	233.593	ug/l	92
30) Chloroform	7.37	83	656889	46.369	ug/l	98
31) Cyclohexane	7.65	56	645122	48.236	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	546920	46.822	ug/l	96
36) 1,1-Dichloropropene	7.79	75	511865	51.402	ug/l	96
37) Ethyl Acetate	6.93	43	335766	47.222	ug/l	97
38) Carbon Tetrachloride	7.77	117	482893	46.626	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	614841	51.226	ug/l	95
40) Benzene	8.04	78	1505991	49.228	ug/l	100
41) Methacrylonitrile	7.17	41	175556	38.343	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	472381	49.876	ug/l	97
43) Isopropyl Acetate	8.16	43	585734	48.789	ug/l	95
44) Trichloroethene	8.83	130	393765	48.552	ug/l	95
45) 1,2-Dichloropropane	9.12	63	410545	49.742	ug/l	98
46) Dibromomethane	9.21	93	236260	49.307	ug/l	91
47) Bromodichloromethane	9.40	83	501465	49.660	ug/l	98
48) Methyl methacrylate	9.20	41	287218	52.012	ug/l	93
49) 1,4-Dioxane	9.20	88	75748	1012.754	ug/l #	95
51) 4-Methyl-2-Pentanone	9.98	43	1640993	265.996	ug/l	96
52) Toluene	10.16	92	906259	50.310	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	510549	51.963	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	599062	51.720	ug/l #	92
55) 1,1,2-Trichloroethane	10.56	97	328604	48.846	ug/l	98
56) Ethyl methacrylate	10.43	69	412048	46.841	ug/l	89
57) 1,3-Dichloropropane	10.71	76	569347	50.089	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	979644	239.167	ug/l	95
59) 2-Hexanone	10.75	43	1090353	271.748	ug/l	93
60) Dibromochloromethane	10.90	129	364887	48.804	ug/l	99
61) 1,2-Dibromoethane	11.00	107	314275	48.428	ug/l	99
64) Tetrachloroethene	10.63	164	384505	48.338	ug/l	97
65) Chlorobenzene	11.43	112	963786	48.613	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	350288	49.024	ug/l	99
67) Ethyl Benzene	11.51	91	1692006	50.909	ug/l	98
68) m/p-Xylenes	11.62	106	1285834	102.505	ug/l	95
69) o-Xylene	11.95	106	617151	50.071	ug/l	97
70) Styrene	11.96	104	1009498	53.249	ug/l	99
71) Bromoform	12.13	173	238369	47.954	ug/l #	100
73) Isopropylbenzene	12.25	105	1629581	49.001	ug/l	98
74) N-amyl acetate	12.07	43	457132	52.446	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	384308	46.212	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	489580	71.437	ug/l #	100
77) Bromobenzene	12.53	156	402659	47.689	ug/l	89
78) n-propylbenzene	12.59	91	1938675	51.259	ug/l	97
79) 2-Chlorotoluene	12.67	91	1129772	49.726	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1375114	50.508	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	105456	48.634	ug/l	91
82) 4-Chlorotoluene	12.77	91	1141532	50.837	ug/l	96
83) tert-Butylbenzene	12.99	119	1156703	48.037	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1381722	50.835	ug/l	99
85) sec-Butylbenzene	13.17	105	1613266	49.053	ug/l	98
86) p-Isopropyltoluene	13.29	119	1397810	50.275	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	723241	49.515	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	706615	49.864	ug/l	99
89) n-Butylbenzene	13.62	91	1236365	52.765	ug/l	99
90) Hexachloroethane	13.87	117	245625	45.590	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	687109	48.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57636	49.043	ug/l	85

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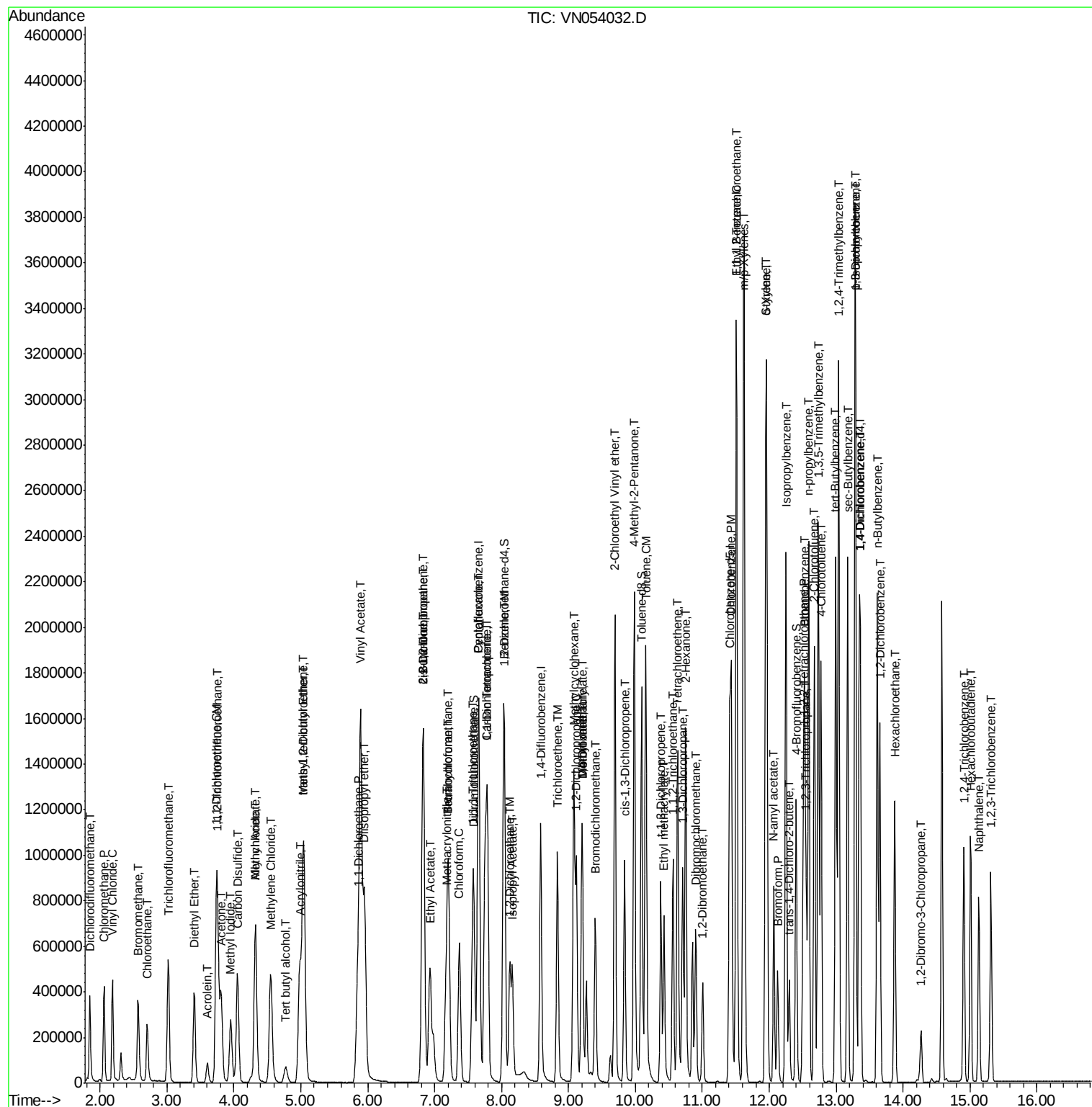
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	352861	45.161	ug/l	97
94) Hexachlorobutadiene	15.01	225	229123	44.861	ug/l	99
95) Naphthalene	15.13	128	700565	41.967	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	328524	43.815	ug/l	98

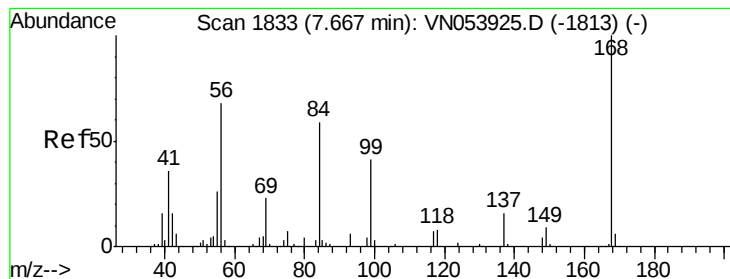
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

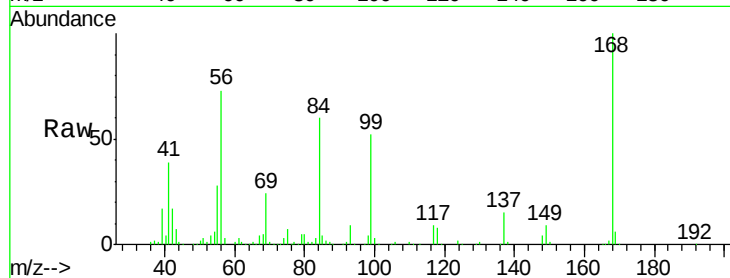
VSTDCCC050

Tot Ion:168 Resp: 713257

Ion Ratio Lower Upper

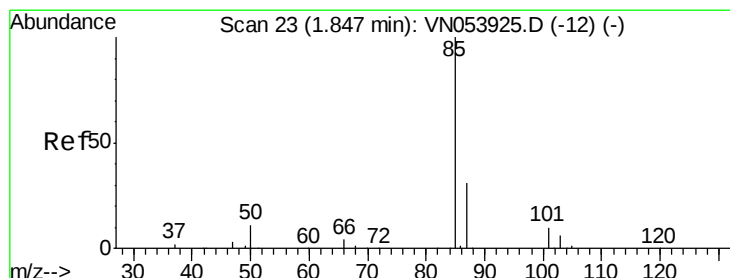
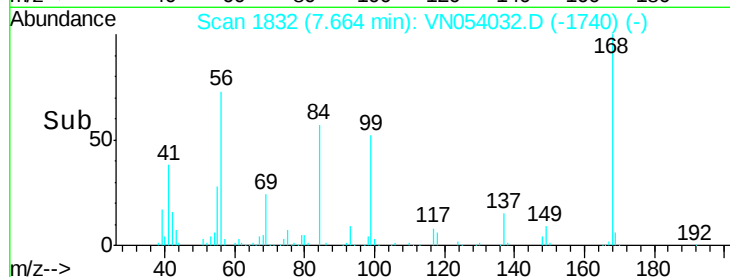
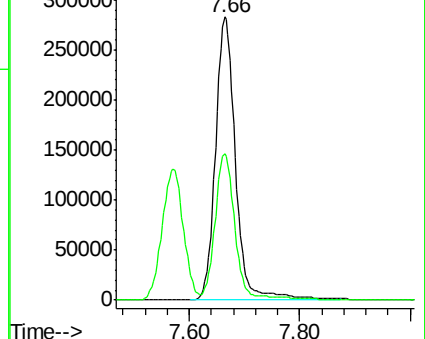
168 100

99 51.6 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: 45.898 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054032.D

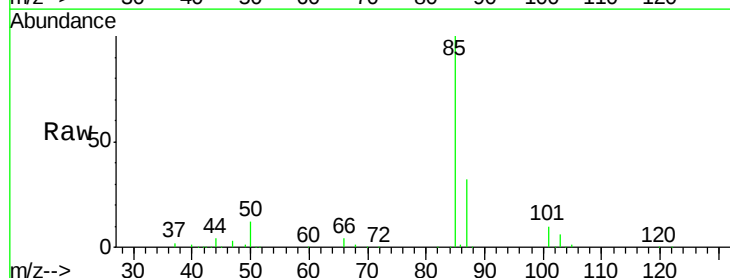
Acq: 1 Mar 2019 16:27

Tgt Ion: 85 Resp: 301288

Ion Ratio Lower Upper

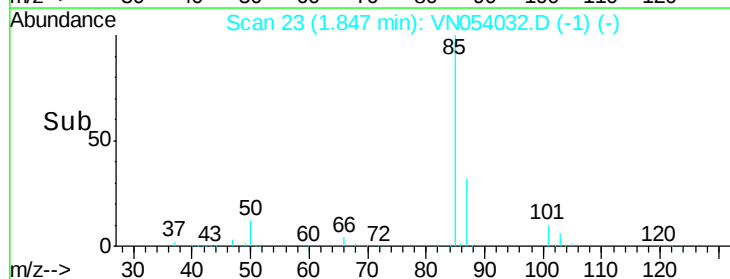
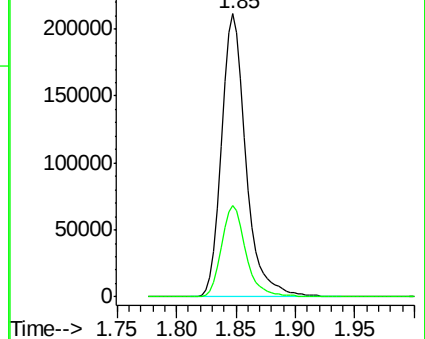
85 100

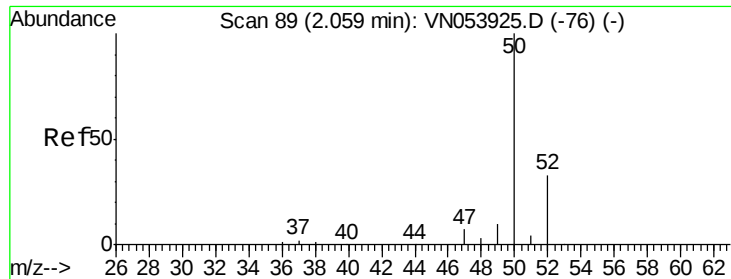
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.200 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

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ClientSampleId :

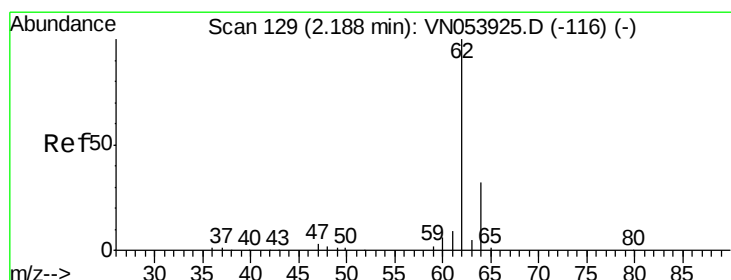
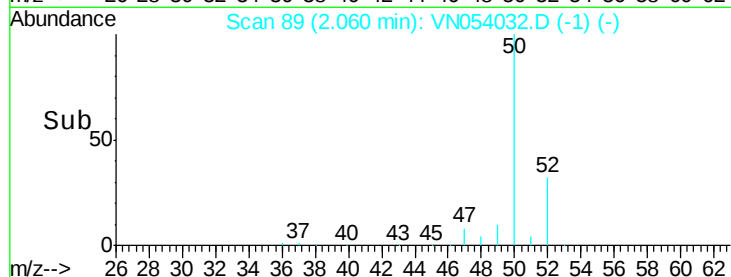
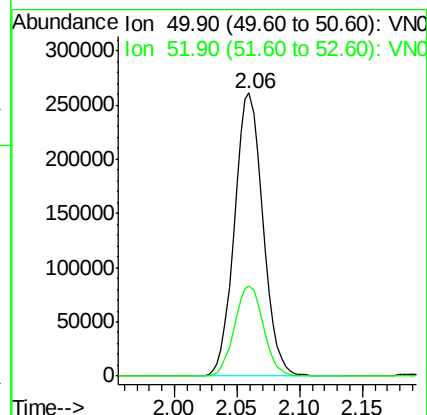
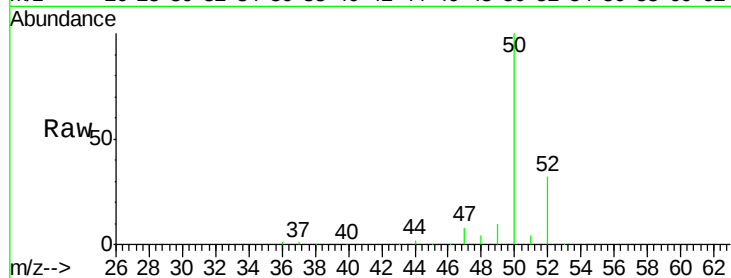
VSTDCCC050

Tot Ion: 50 Resp: 411555

Ion Ratio Lower Upper

50 100

52 31.9 26.0 39.0



#4

Vinyl Chloride

Concen: 45.821 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054032.D

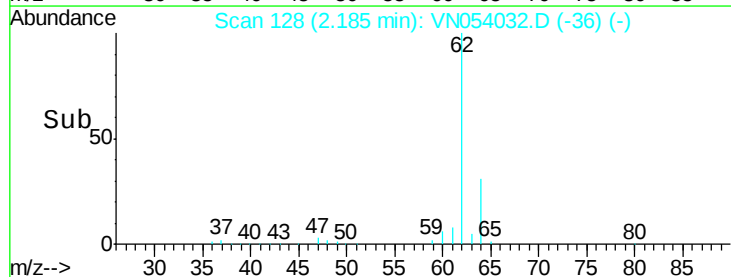
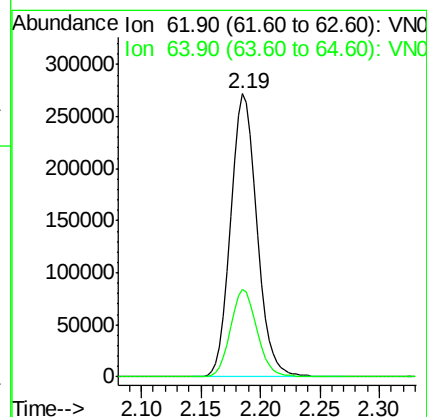
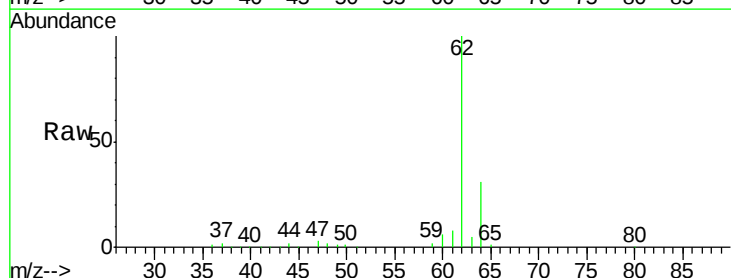
Acq: 1 Mar 2019 16:27

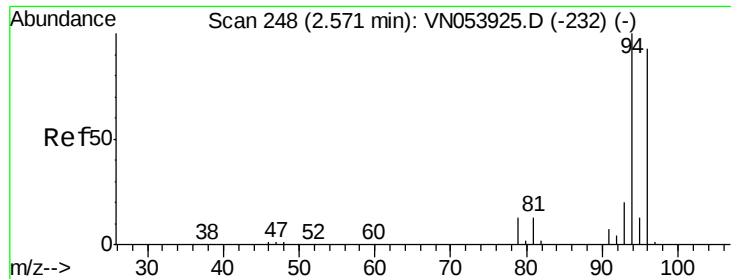
Tgt Ion: 62 Resp: 418022

Ion Ratio Lower Upper

62 100

64 30.9 25.1 37.7

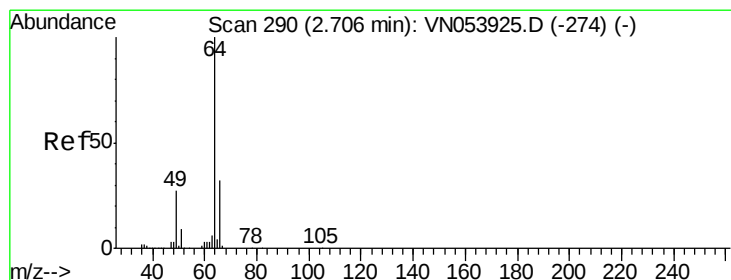
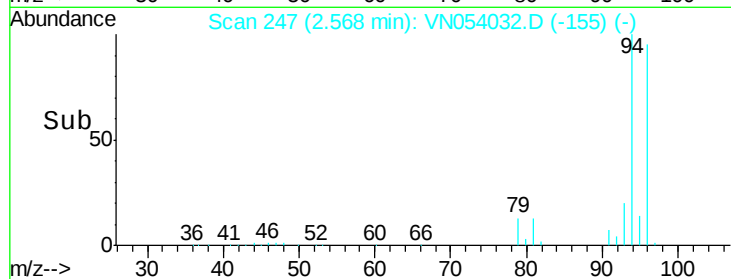
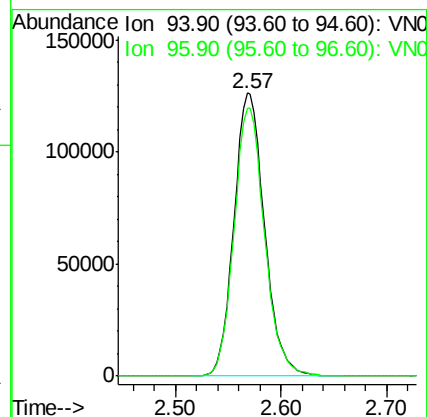
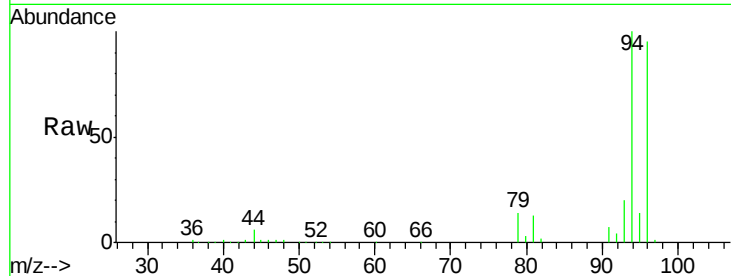




#5
Bromomethane
Concen: 41.907 ug/l
RT: 2.57 min Scan# 247
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

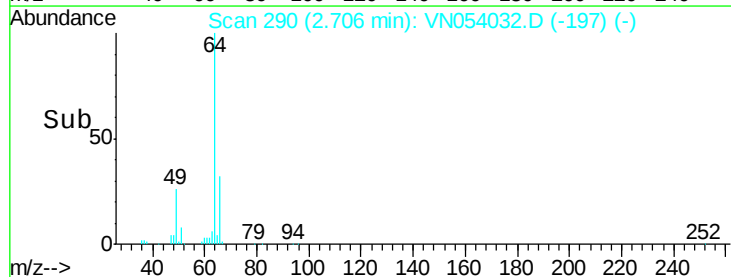
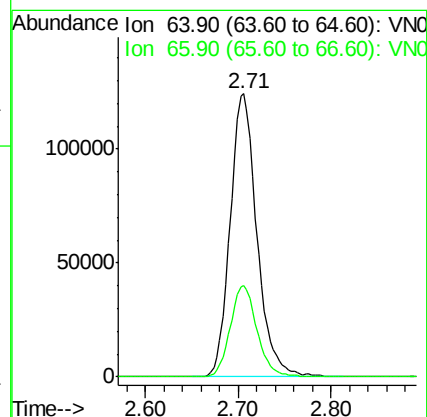
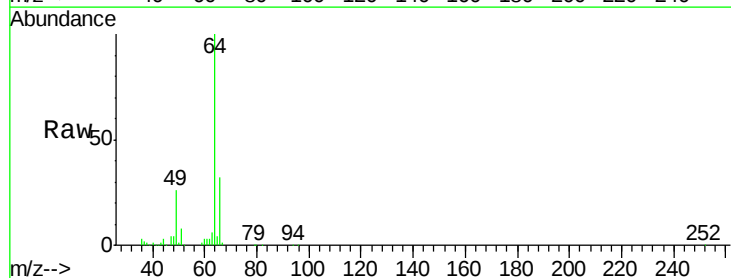
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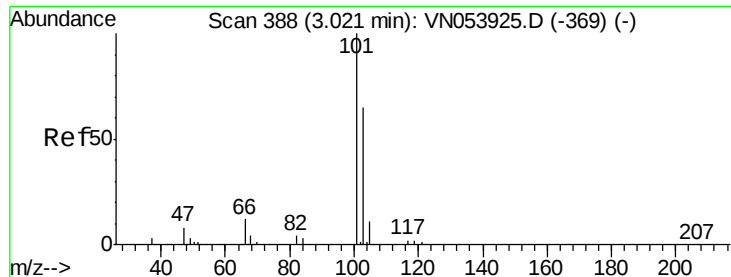
Tot Ion: 94 Resp: 253197
Ion Ratio Lower Upper
94 100
96 94.8 74.9 112.3



#6
Chloroethane
Concen: 43.843 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 64 Resp: 248752
Ion Ratio Lower Upper
64 100
66 32.2 25.5 38.3



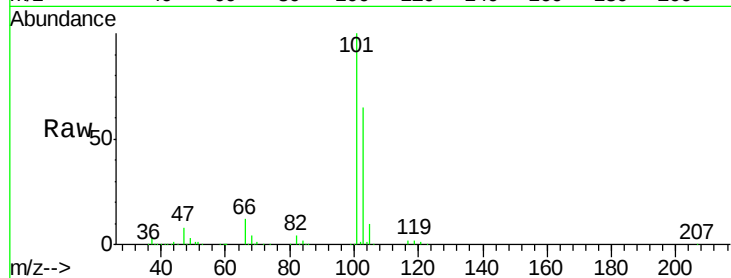


#7

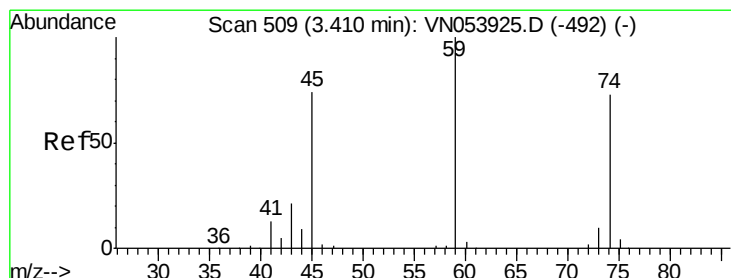
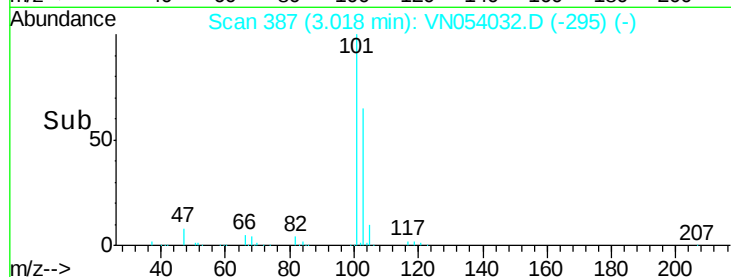
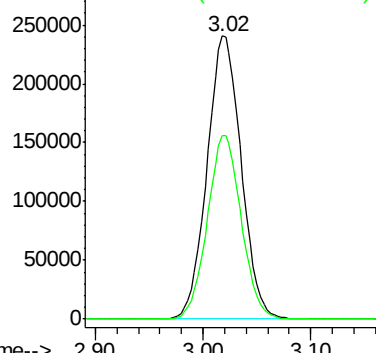
Trichlorofluoromethane
Concen: 45.450 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

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Tot Ion:101 Resp: 529713
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9



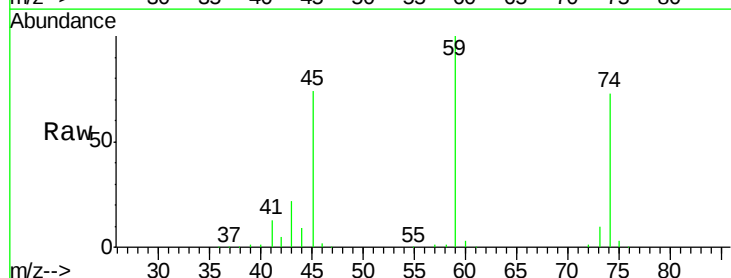
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



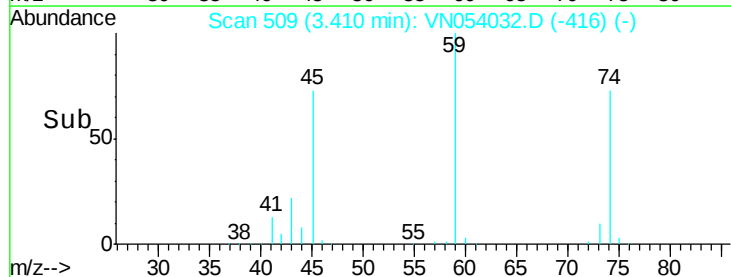
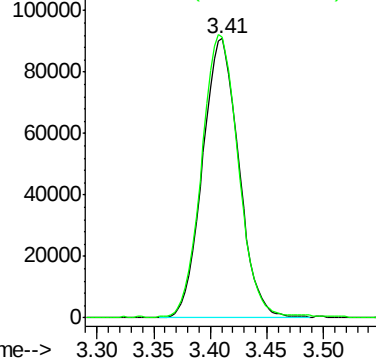
#8

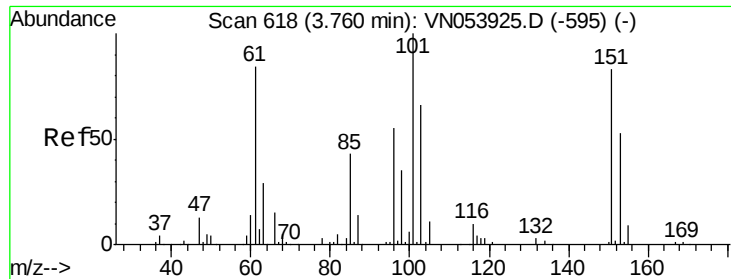
Diethyl Ether
Concen: 46.495 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 74 Resp: 203021
Ion Ratio Lower Upper
74 100
45 101.8 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.613 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054032.D

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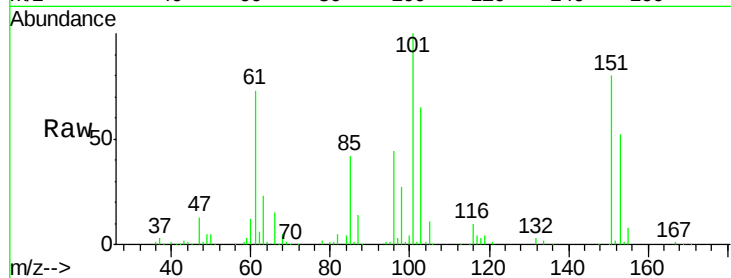
Tot Ion:101 Resp: 343113

Ion Ratio Lower Upper

101 100

85 43.1 32.5 48.7

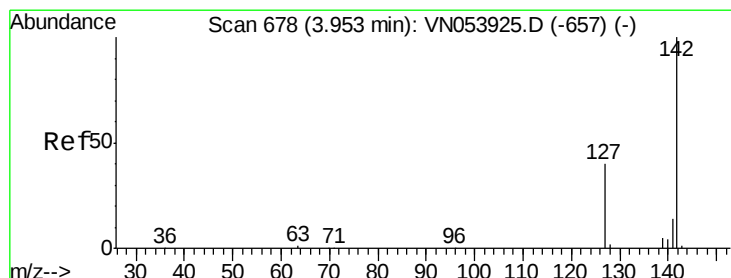
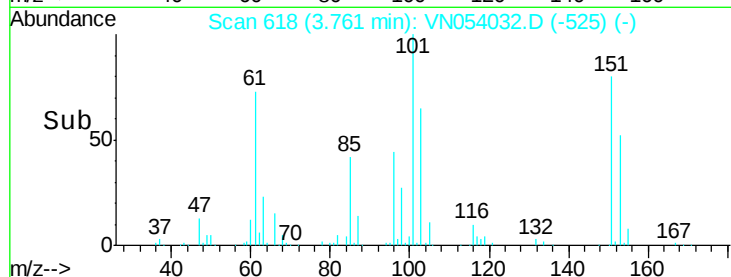
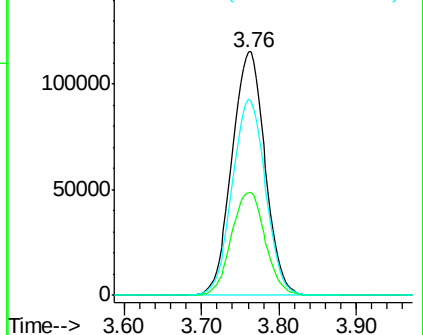
151 80.8 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.709 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

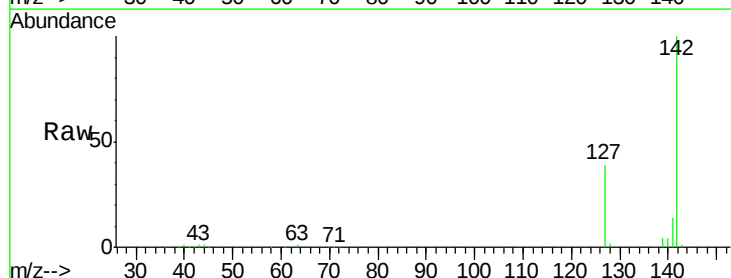
Tgt Ion:142 Resp: 461449

Ion Ratio Lower Upper

142 100

127 40.5 31.0 46.4

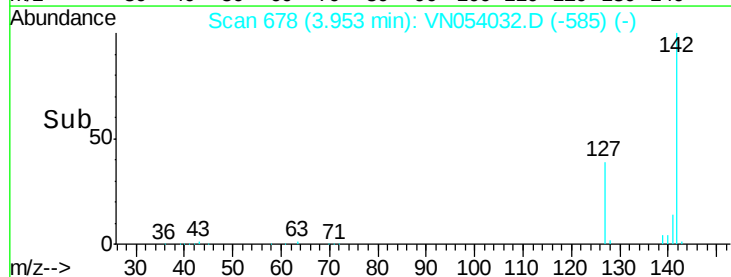
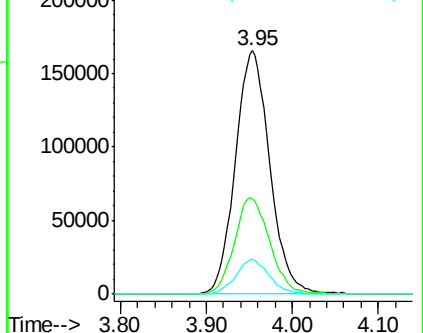
141 14.0 11.3 16.9

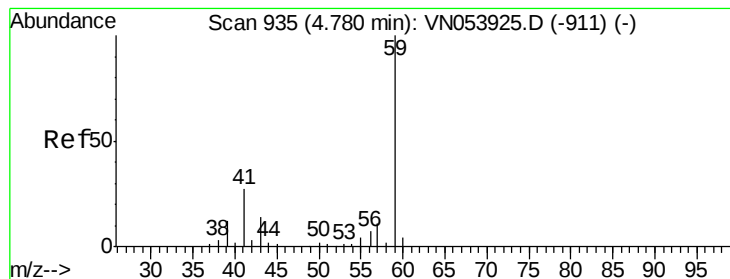


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



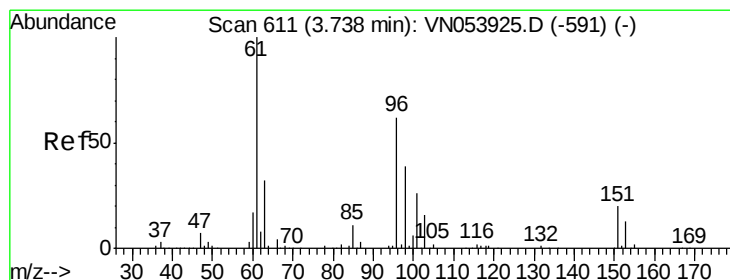
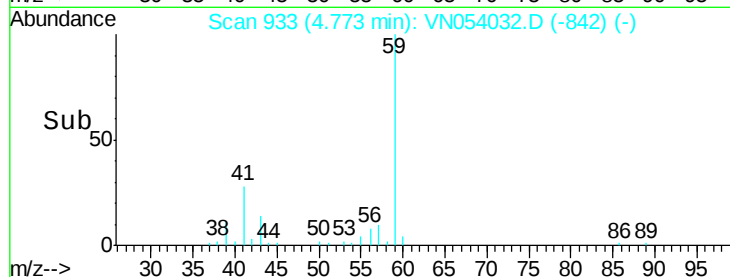
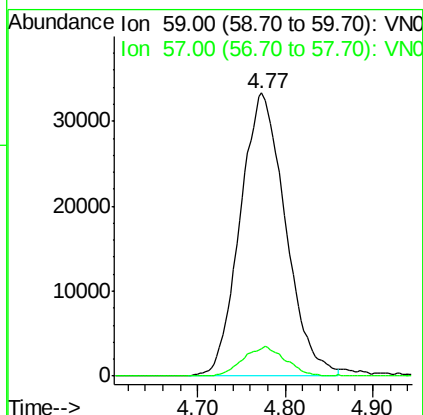
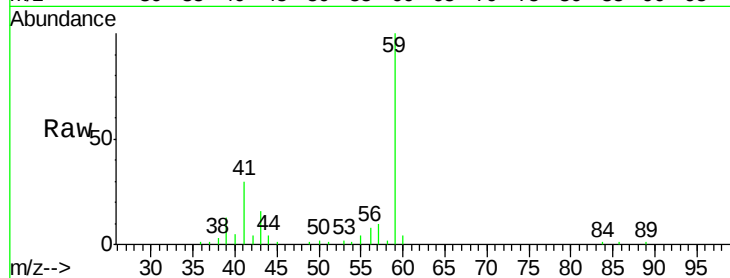


#11

Tert butyl alcohol
 Concen: 225.768 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

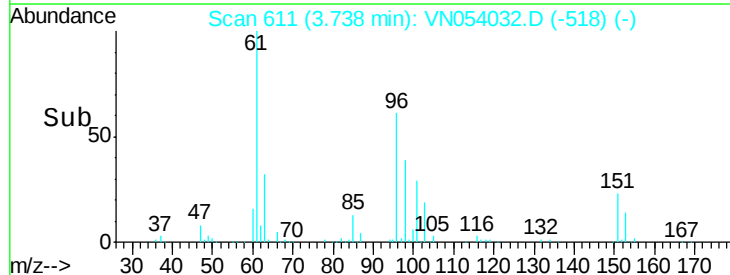
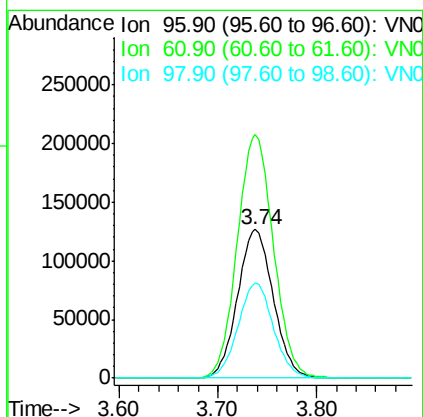
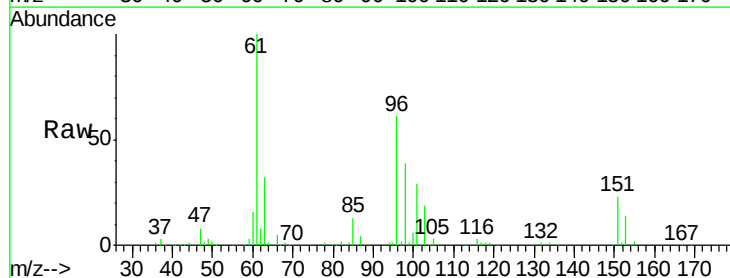
Tot Ion: 59 Resp: 119665
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.1 12.1

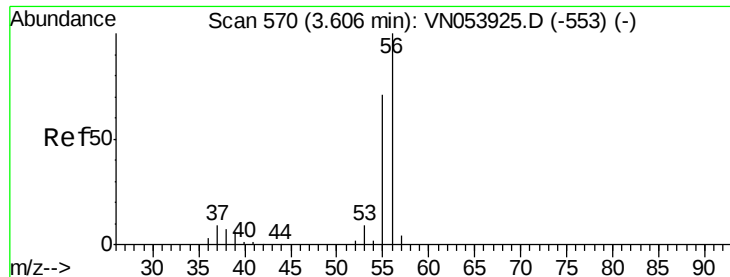


#12

1,1-Dichloroethene
 Concen: 45.103 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion: 96 Resp: 317569
 Ion Ratio Lower Upper
 96 100
 61 163.7 121.0 181.4
 98 64.0 52.2 78.2





#13

Acrolein

Concen: 181.454 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

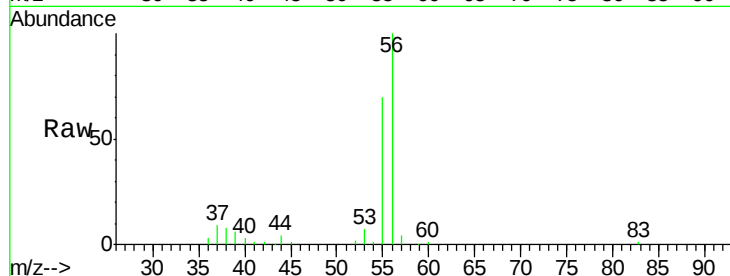
VSTDCCC050

Tot Ion: 56 Resp: 99576

Ion Ratio Lower Upper

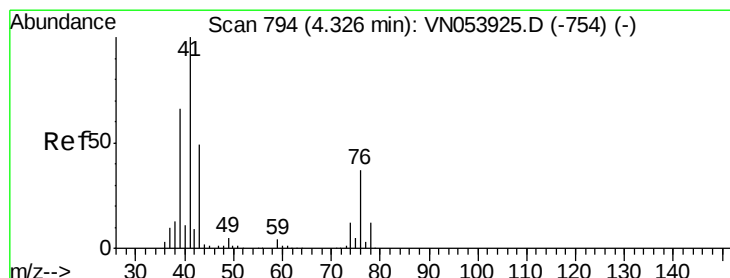
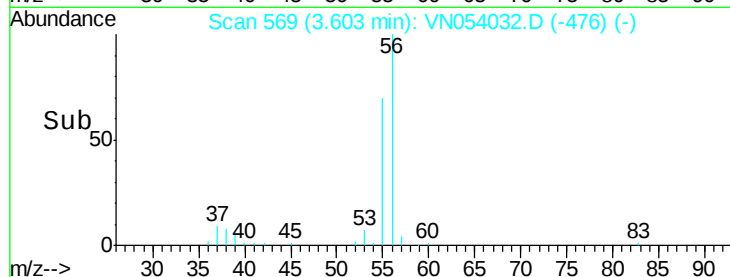
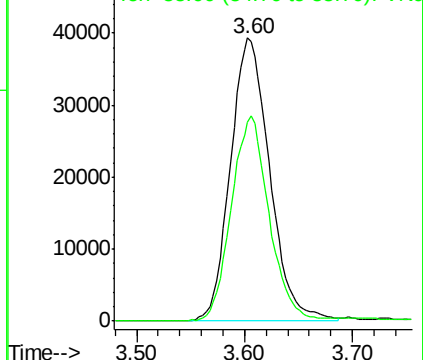
56 100

55 70.3 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.583 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

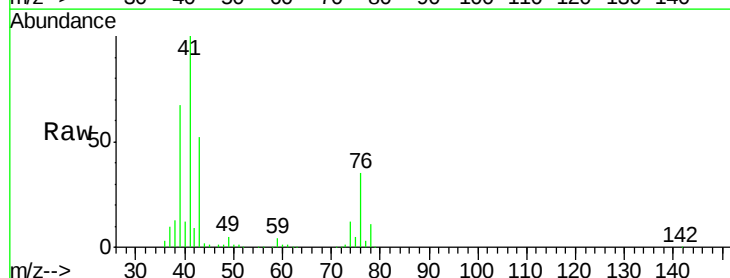
Tgt Ion: 41 Resp: 599959

Ion Ratio Lower Upper

41 100

39 63.1 48.8 73.2

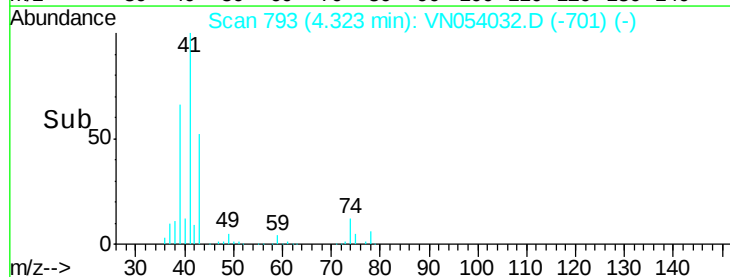
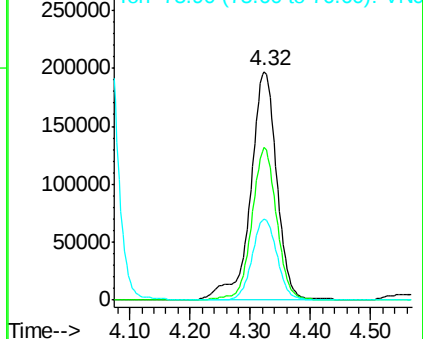
76 33.0 30.9 46.3

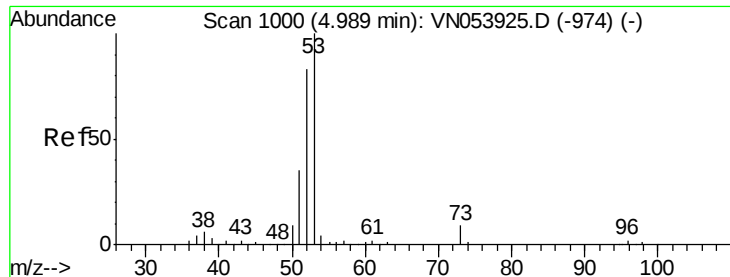


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

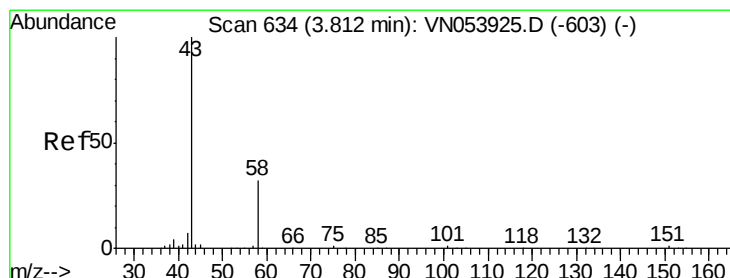
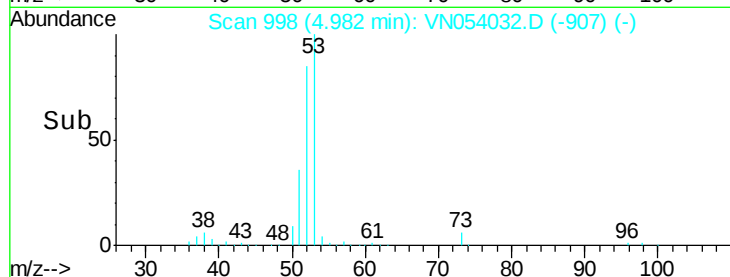
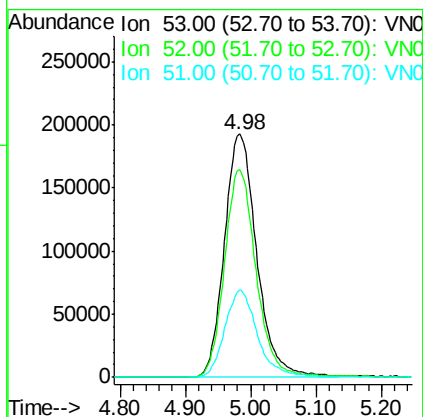
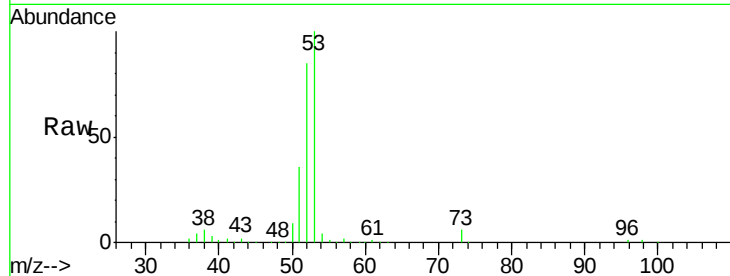




#15
 Acrylonitrile
 Concen: 237.273 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

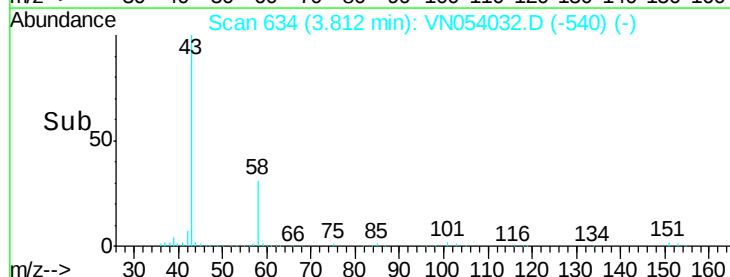
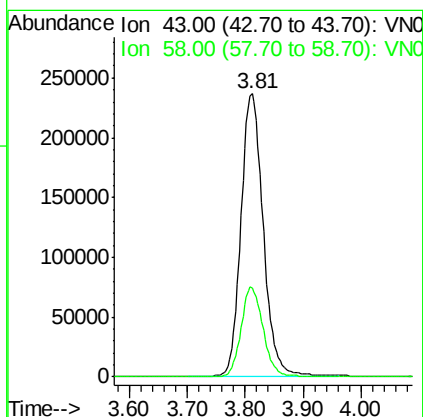
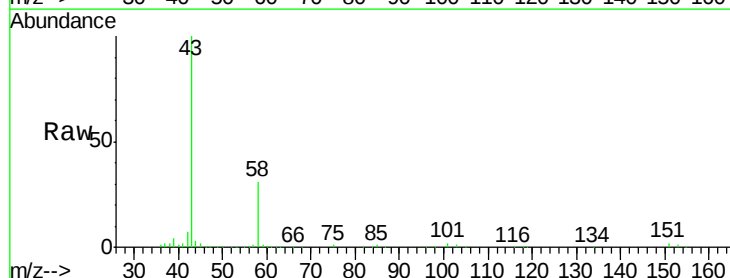
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

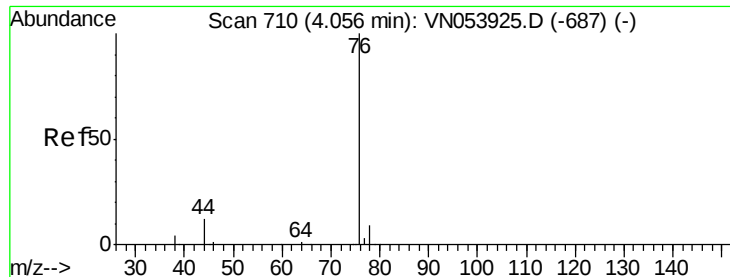
Tot Ion: 53 Resp: 662832
 Ion Ratio Lower Upper
 53 100
 52 82.7 65.1 97.7
 51 36.5 28.2 42.4



#16
 Acetone
 Concen: 289.085 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion: 43 Resp: 635607
 Ion Ratio Lower Upper
 43 100
 58 31.1 27.6 41.4

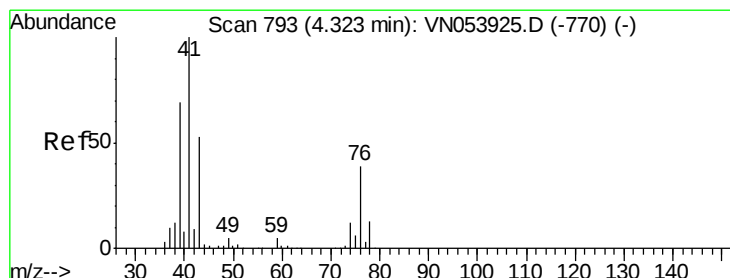
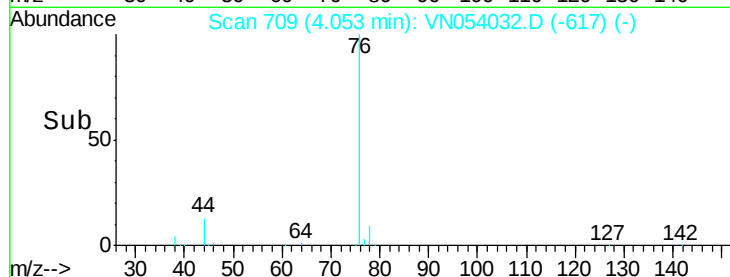
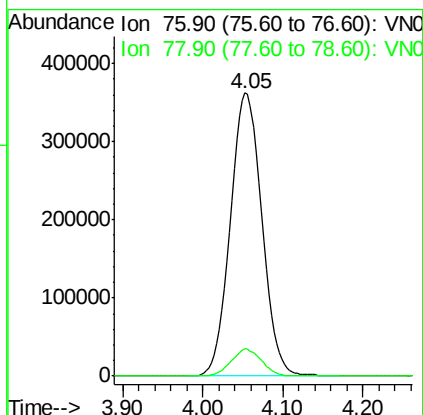
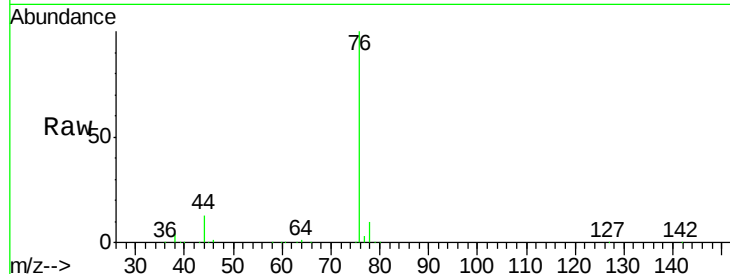




#17
Carbon Disulfide
Concen: 42.629 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

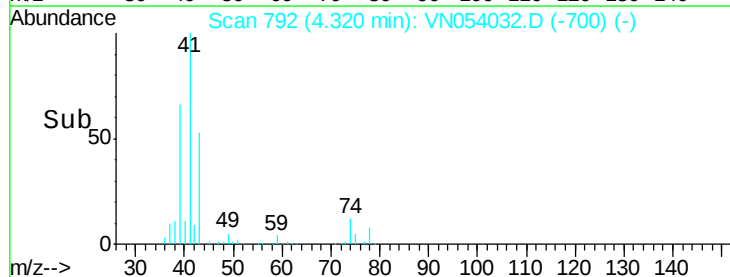
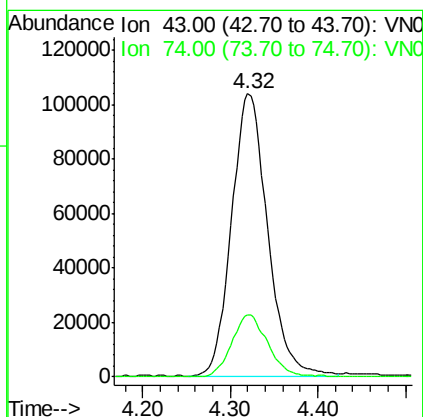
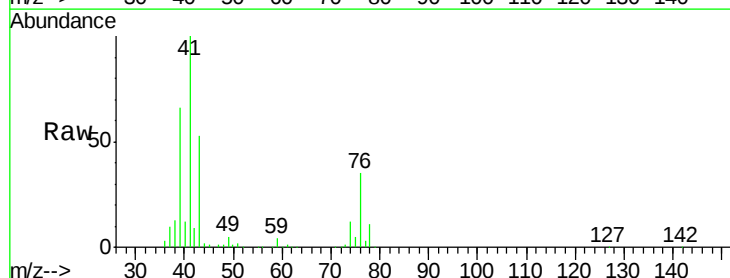
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

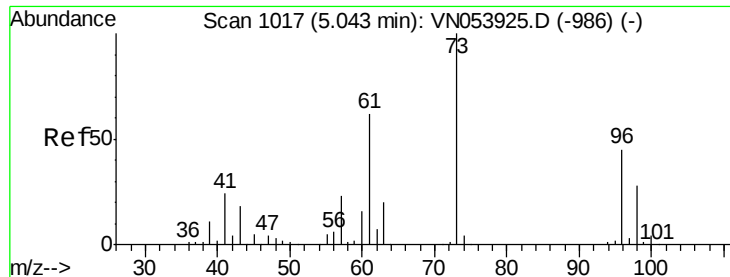
Tot Ion: 76 Resp: 968296
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3



#18
Methyl Acetate
Concen: 50.716 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 43 Resp: 296503
Ion Ratio Lower Upper
43 100
74 22.1 20.5 30.7

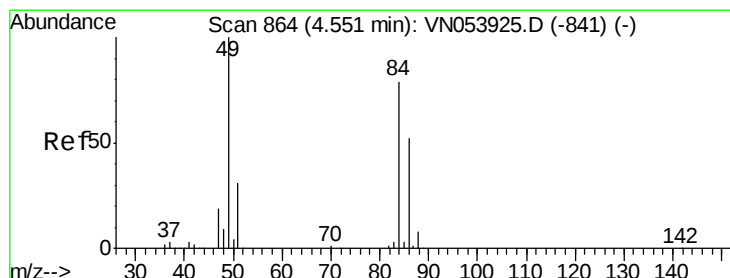
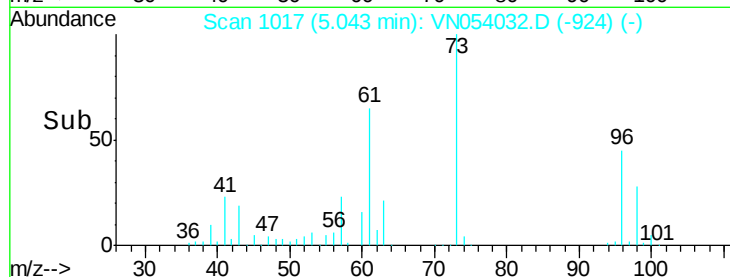
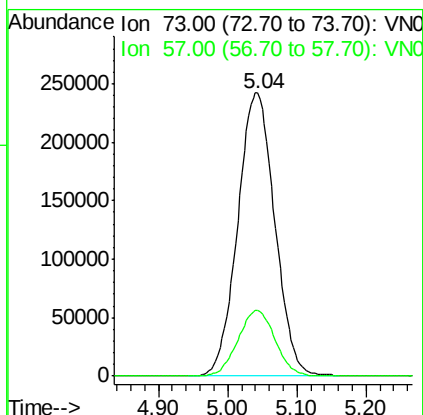
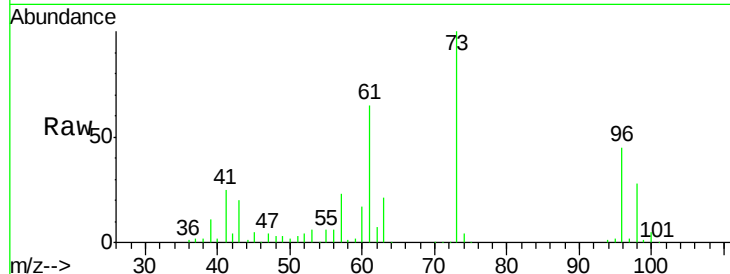




#19
Methvl tert-butvl Ether
Concen: 47.706 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

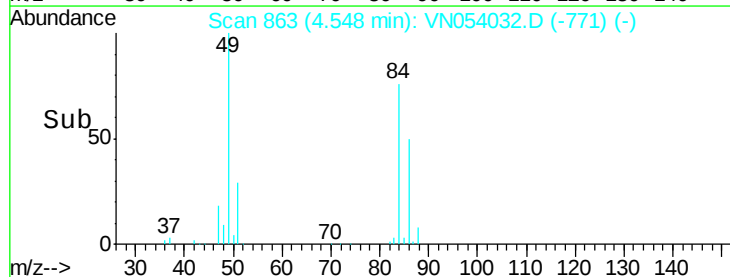
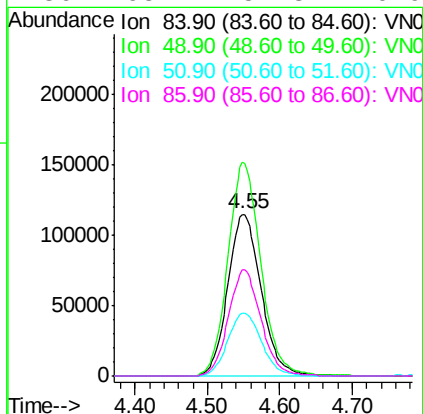
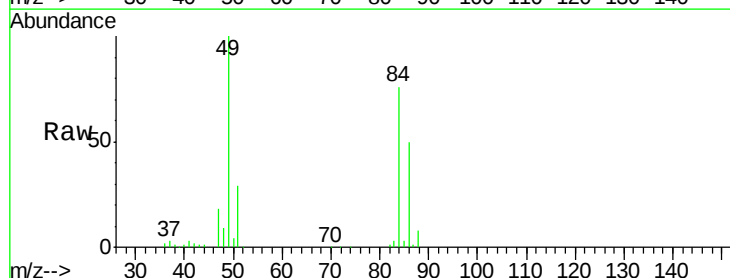
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

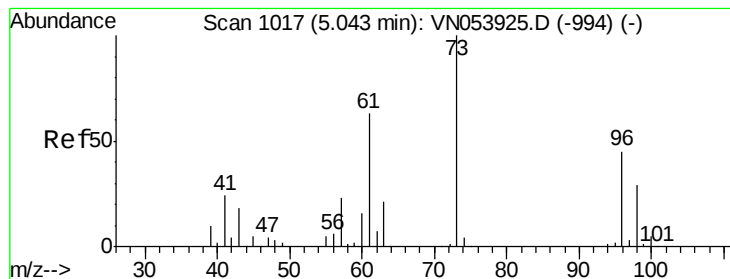
Tot Ion: 73 Resp: 901063
Ion Ratio Lower Upper
73 100
57 23.4 18.0 27.0



#20
Methylene Chloride
Concen: 44.507 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 84 Resp: 368303
Ion Ratio Lower Upper
84 100
49 131.9 89.7 134.5
51 38.8 27.8 41.8
86 65.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 45.824 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

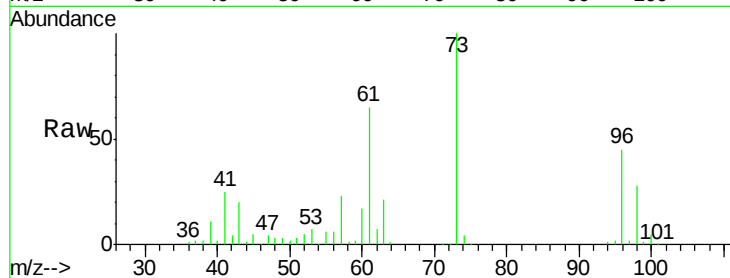
Tot Ion: 96 Resp: 349209

Ion Ratio Lower Upper

96 100

61 145.7 104.5 156.7

98 62.1 50.6 76.0

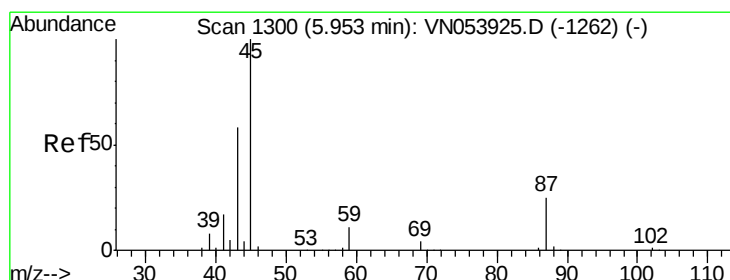
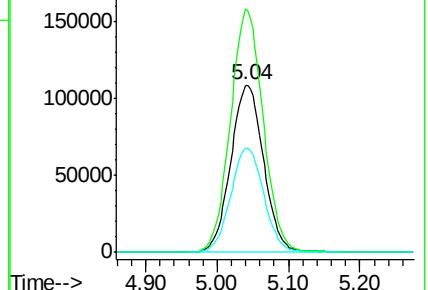
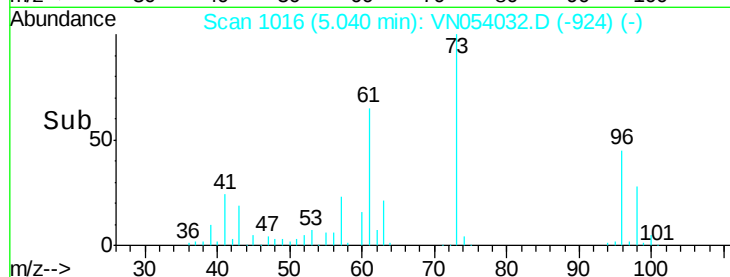


Abundance

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: 49.925 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion: 45 Resp: 1189419

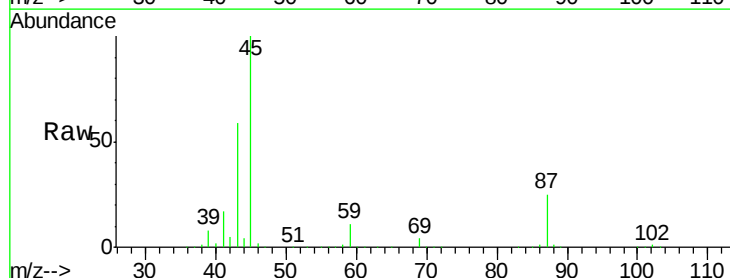
Ion Ratio Lower Upper

45 100

43 58.6 46.2 69.4

87 25.0 23.4 35.0

59 11.0 9.4 14.0



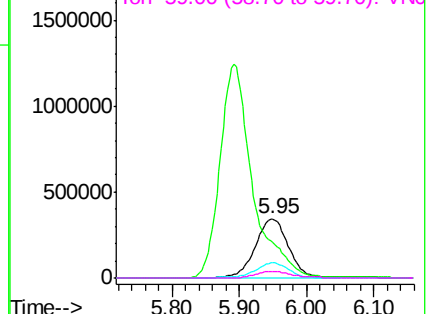
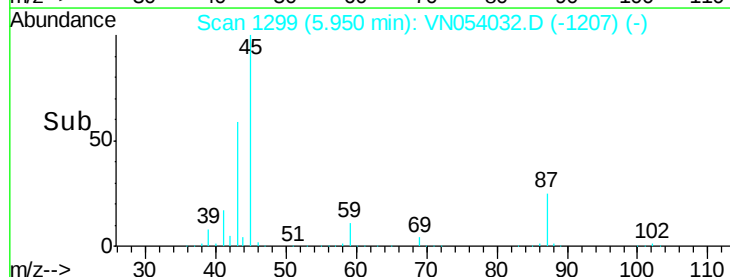
Abundance

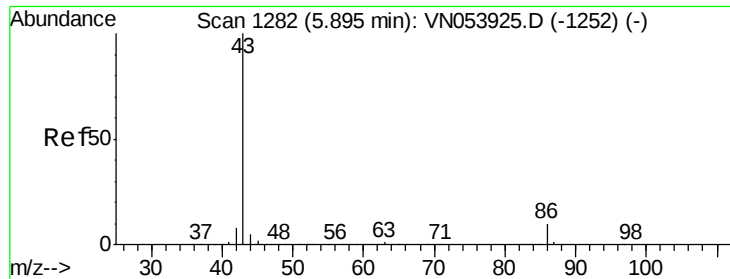
Ion 45.00 (44.70 to 45.70): VN0

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: 245.904 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleID :

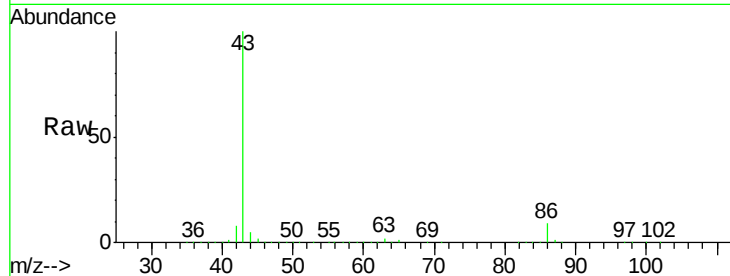
VSTDCCC050

Tot Ion: 43 Resp: 4214470

Ion Ratio Lower Upper

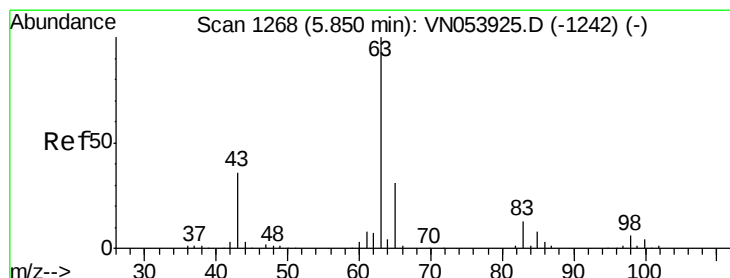
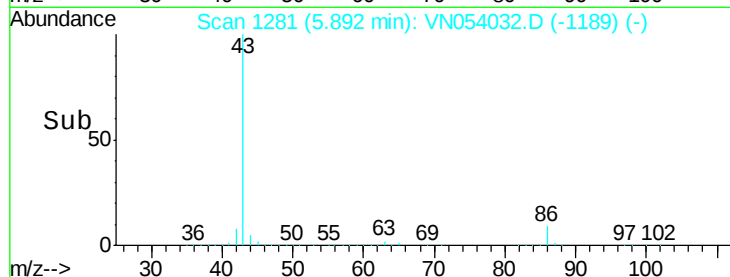
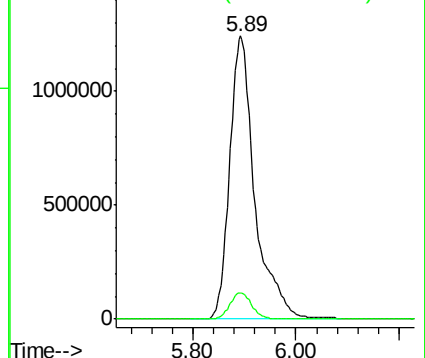
43 100

86 9.3 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: 46.817 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

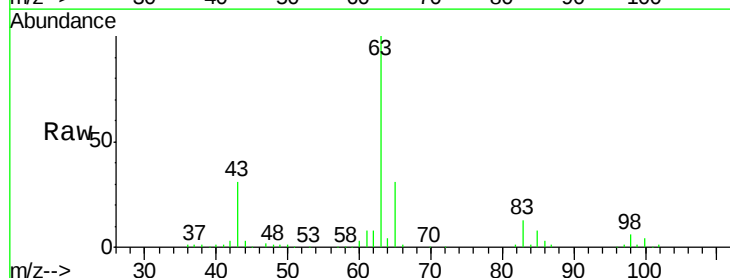
Tgt Ion: 63 Resp: 683996

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

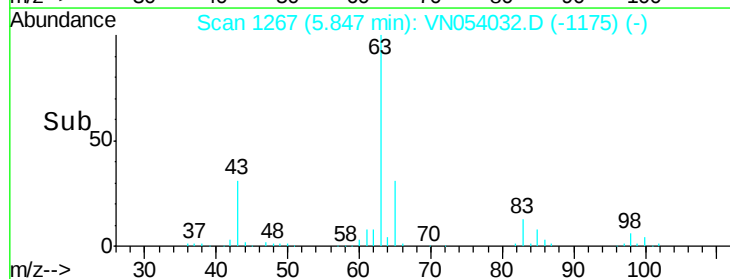
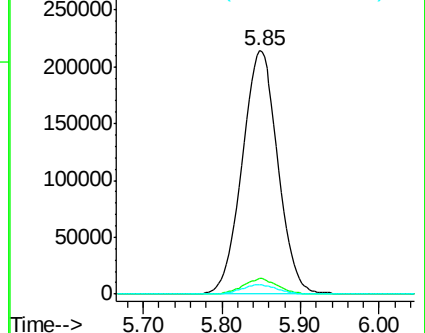
100 3.9 2.2 6.6

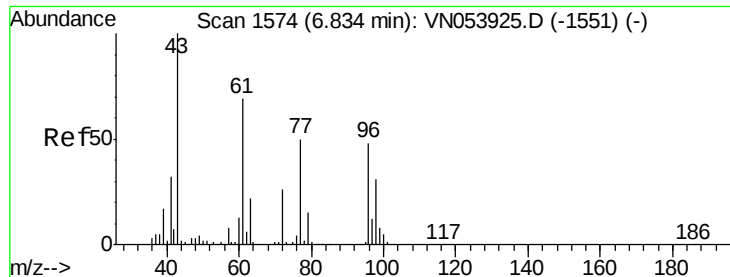


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 251.579 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

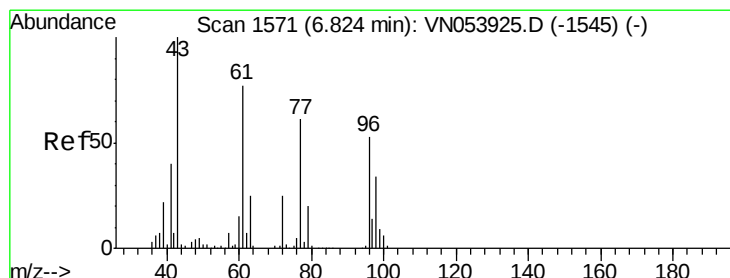
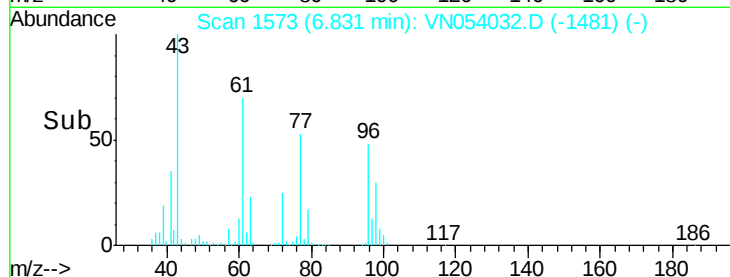
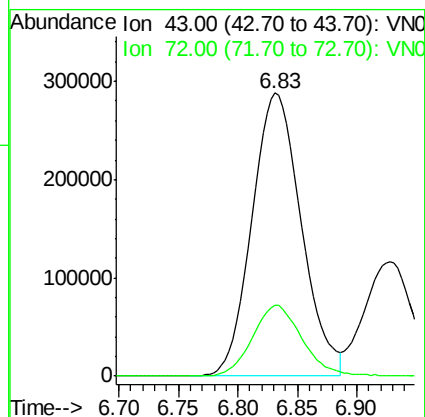
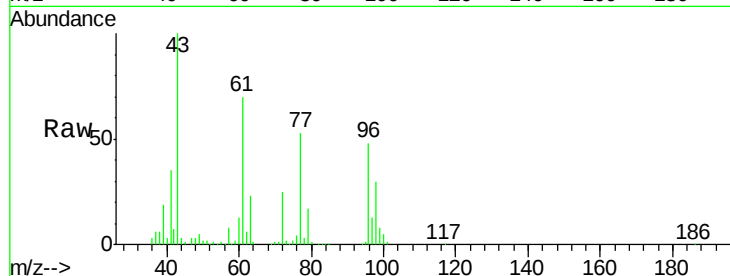
VSTDCCC050

Tot Ion: 43 Resp: 825915

Ion Ratio Lower Upper

43 100

72 24.9 22.1 33.1



#26

2,2-Dichloropropane

Concen: 49.160 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054032.D

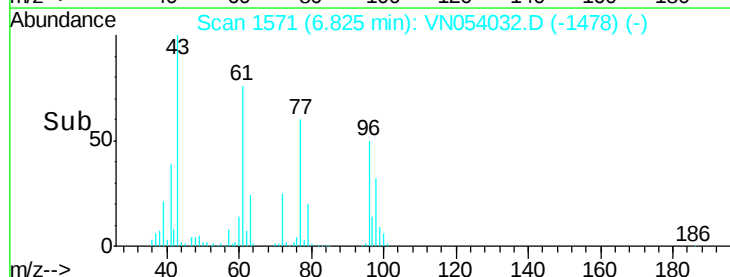
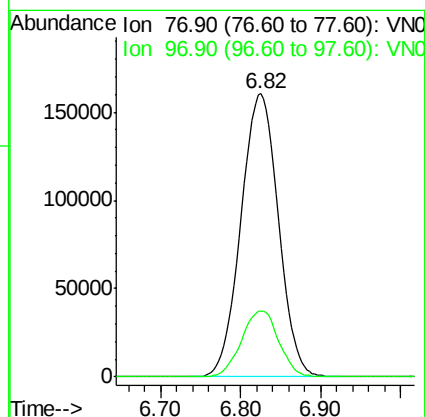
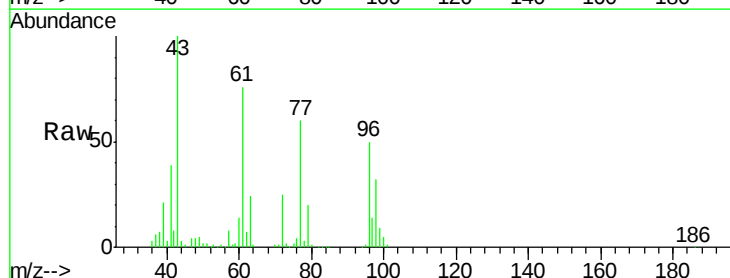
Acq: 1 Mar 2019 16:27

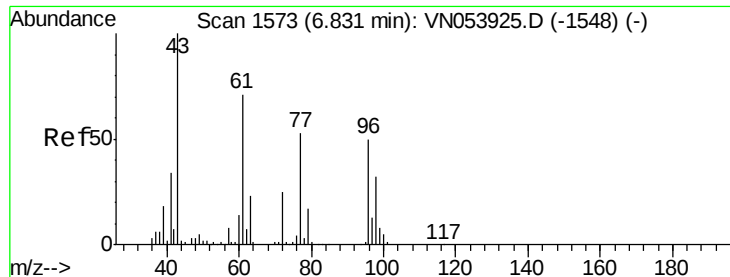
Tgt Ion: 77 Resp: 510275

Ion Ratio Lower Upper

77 100

97 23.3 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 46.775 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

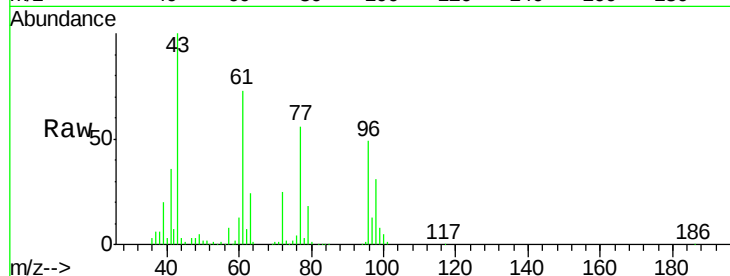
Tot Ion: 96 Resp: 396425

Ion Ratio Lower Upper

96 100

61 150.4 0.0 275.6

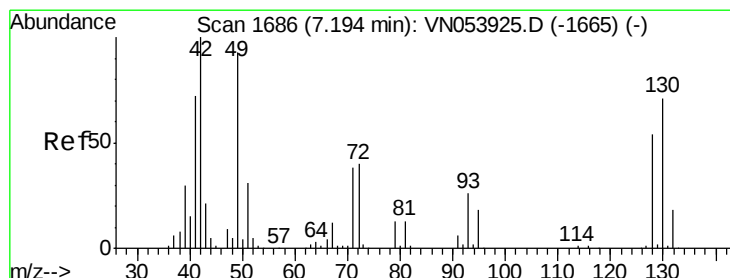
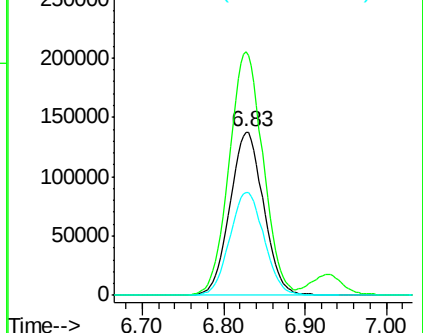
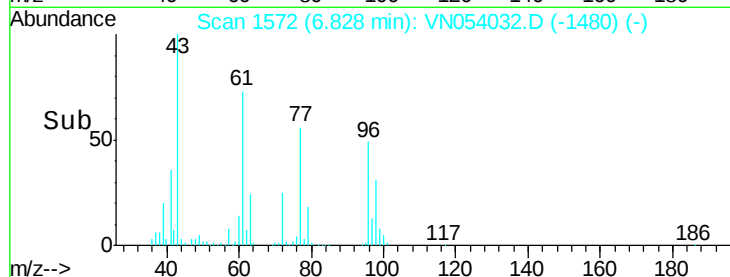
98 64.3 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN054032.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN054032.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN054032.D (-1480) (-)



#28

Bromochloromethane

Concen: 48.388 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

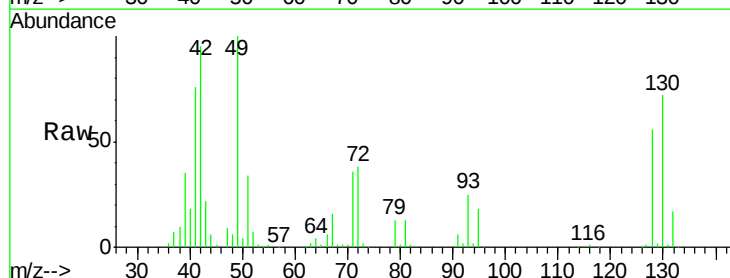
Tgt Ion: 49 Resp: 323586

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

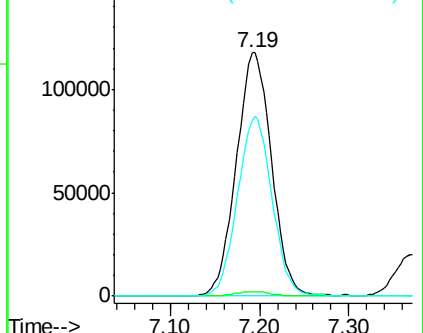
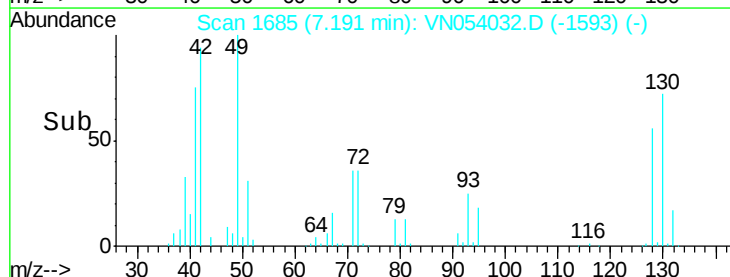
130 72.3 72.9 109.3#

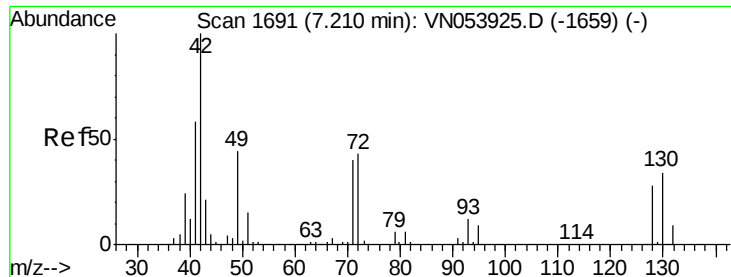


Abundance Ion 48.90 (48.60 to 49.60): VN054032.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN054032.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN054032.D (-1593) (-)

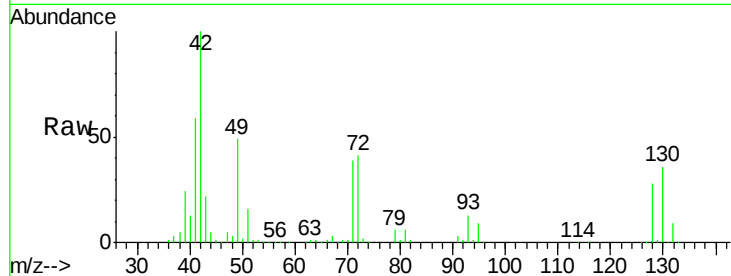




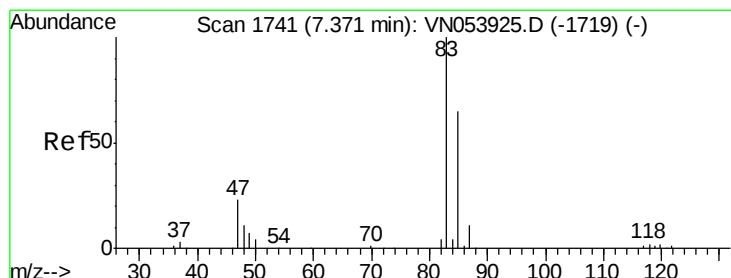
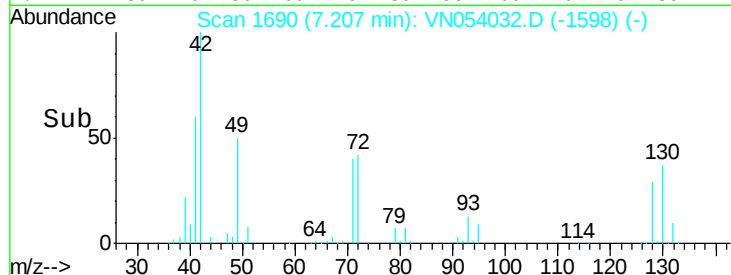
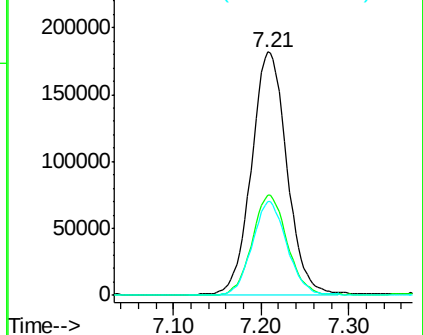
#29
Tetrahydrofuran
Concen: 233.593 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 510684
Ion Ratio Lower Upper
42 100
72 40.9 36.9 55.3
71 38.0 34.6 52.0

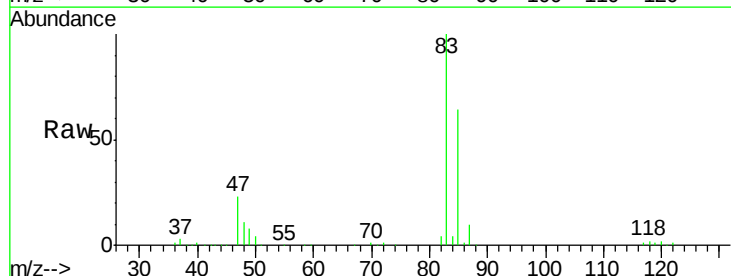


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

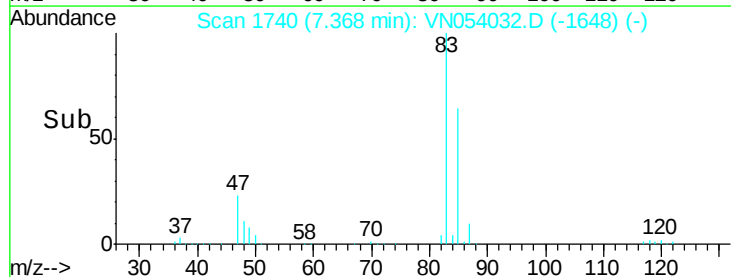
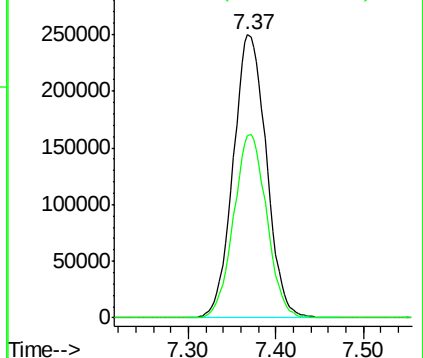


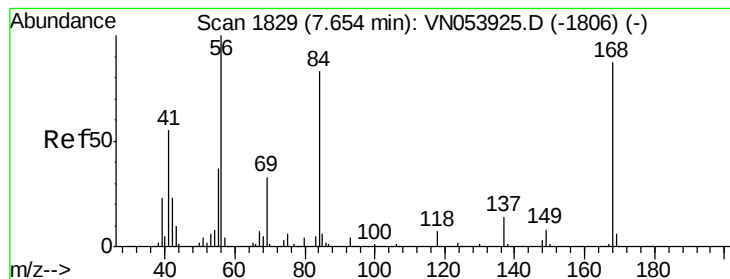
#30
Chloroform
Concen: 46.369 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 83 Resp: 656889
Ion Ratio Lower Upper
83 100
85 64.2 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.236 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

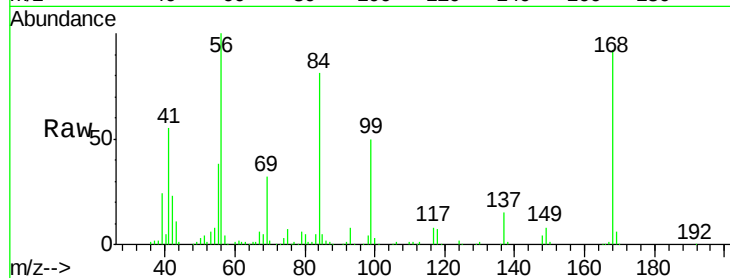
Tot Ion: 56 Resp: 645122

Ion Ratio Lower Upper

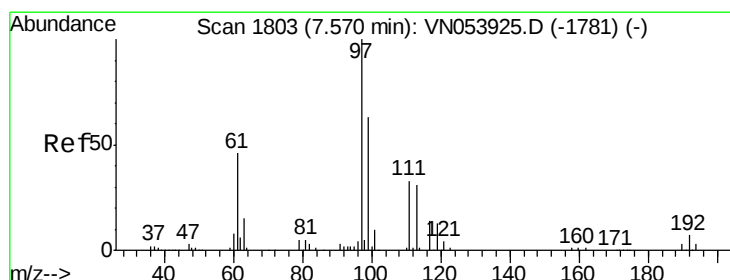
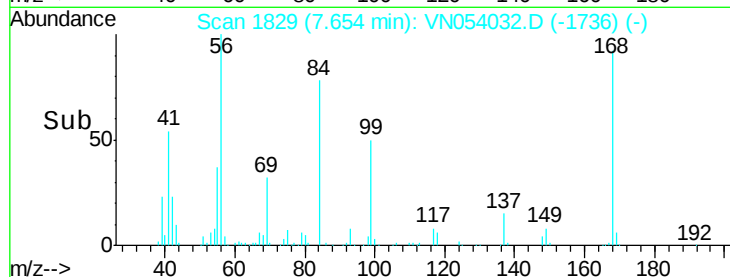
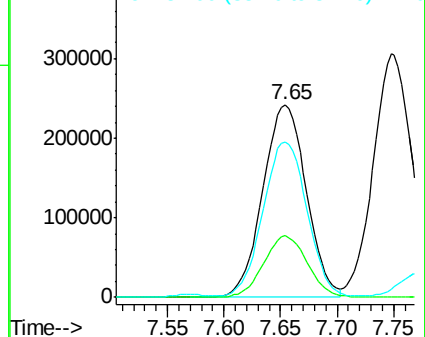
56 100

69 31.8 26.0 39.0

84 79.4 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 46.822 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

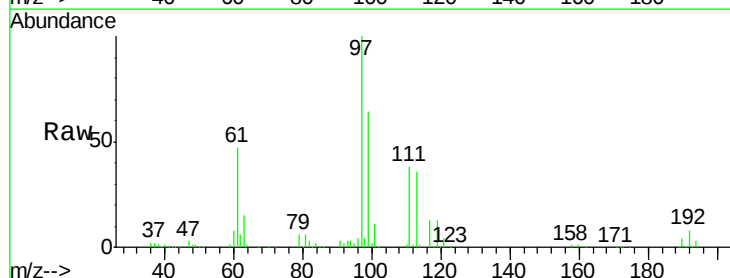
Tgt Ion: 97 Resp: 546920

Ion Ratio Lower Upper

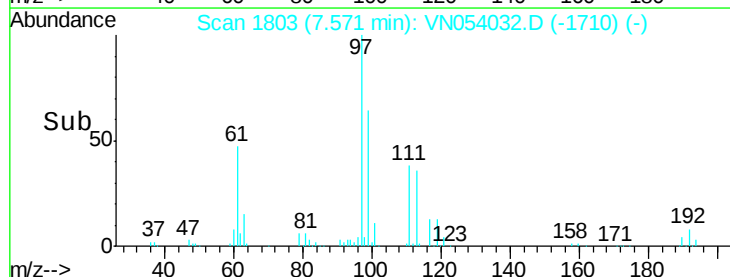
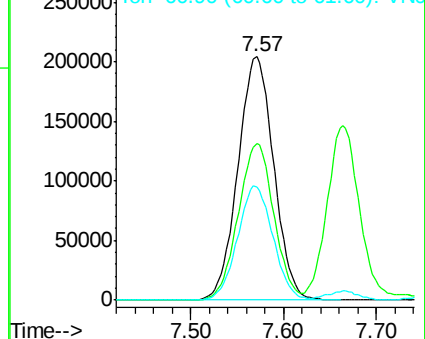
97 100

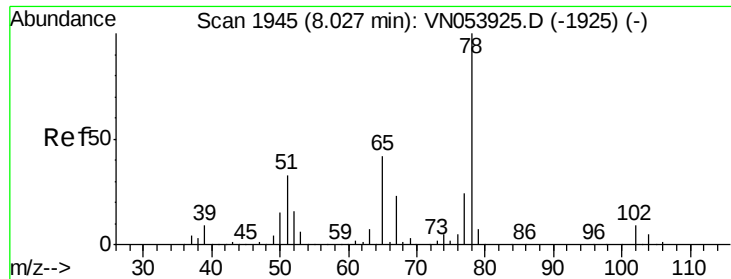
99 63.8 51.8 77.8

61 46.3 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

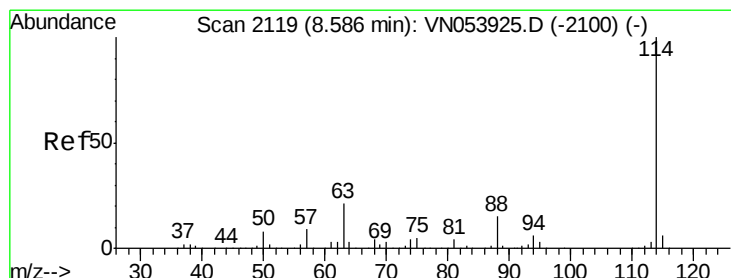
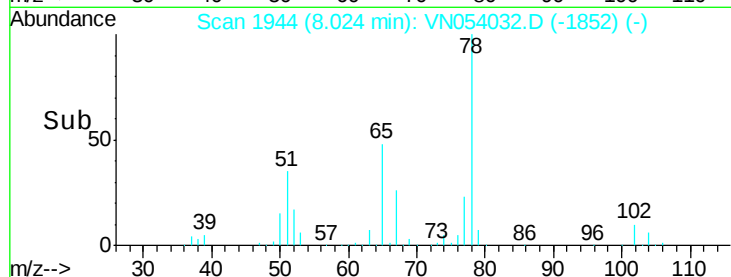
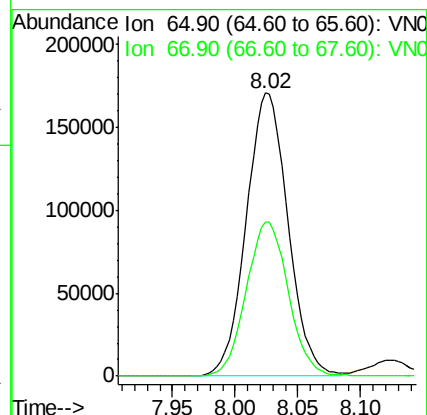
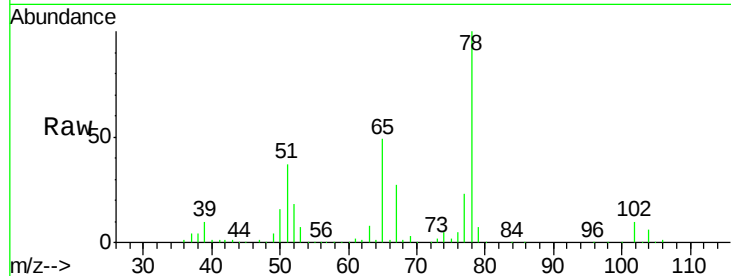




#33
 1,2-Dichloroethane-d4
 Concen: 47.297 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

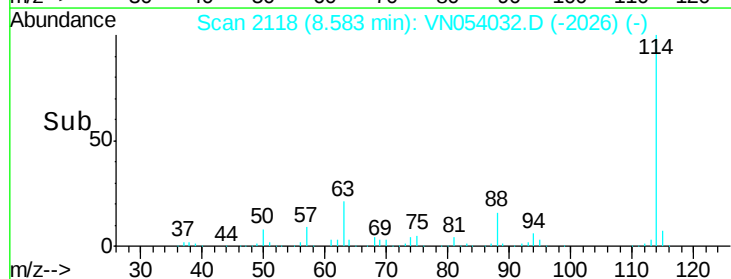
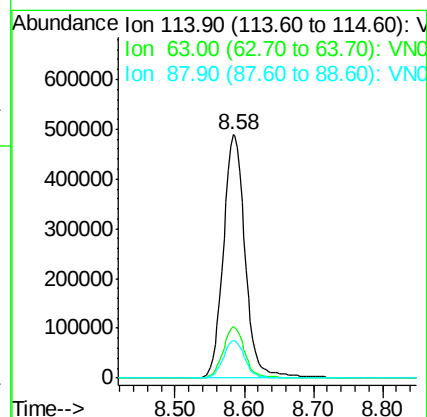
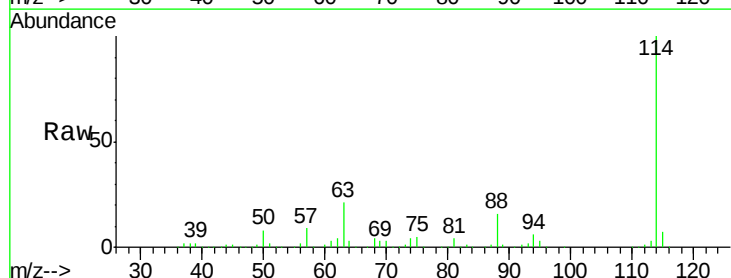
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

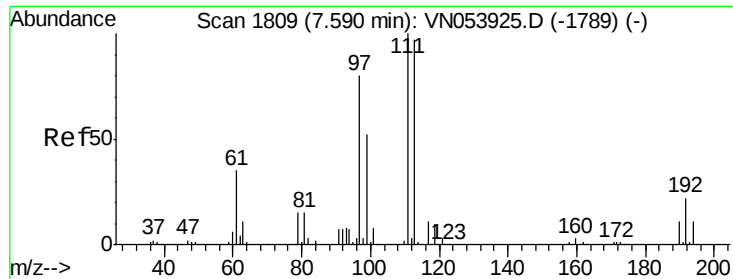
Tot Ion: 65 Resp: 395451
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion: 114 Resp: 1070810
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 37.4
 88 15.6 0.0 30.4

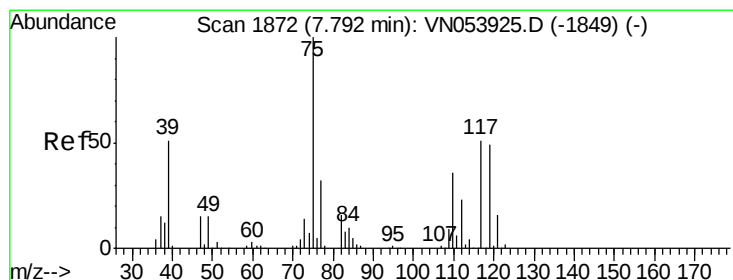
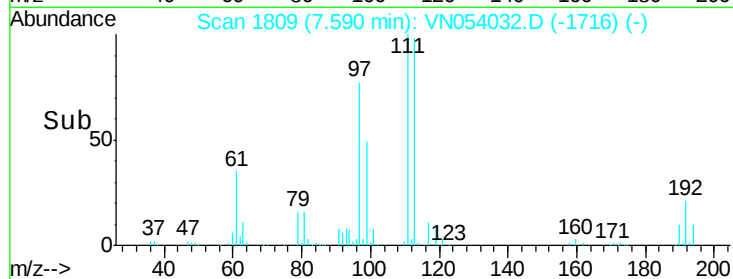
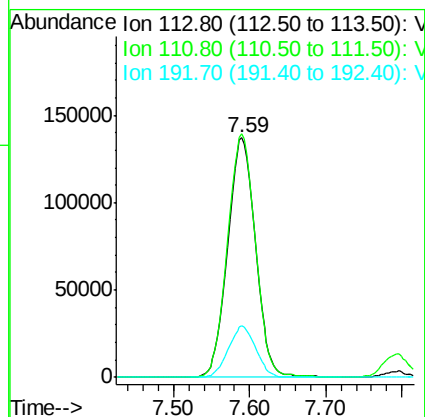
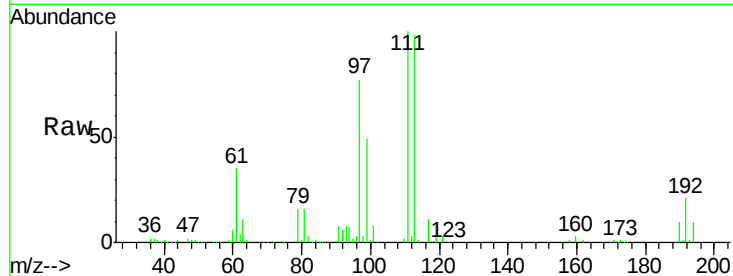




#35
 Dibromofluoromethane
 Concen: 50.594 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

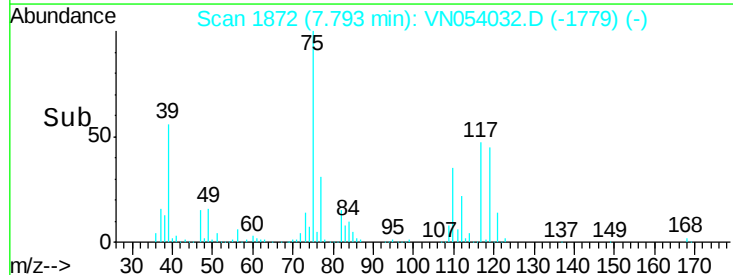
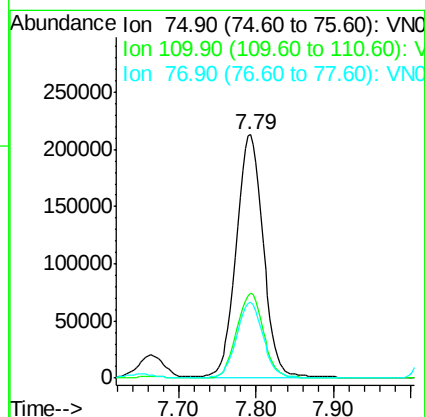
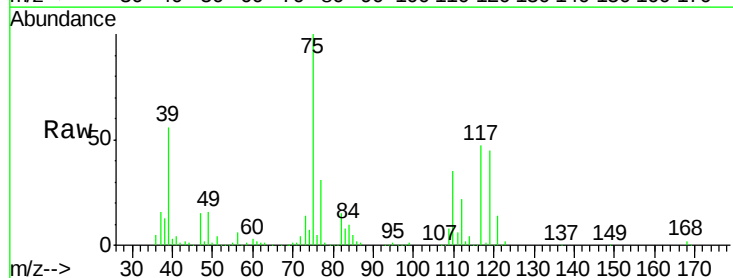
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

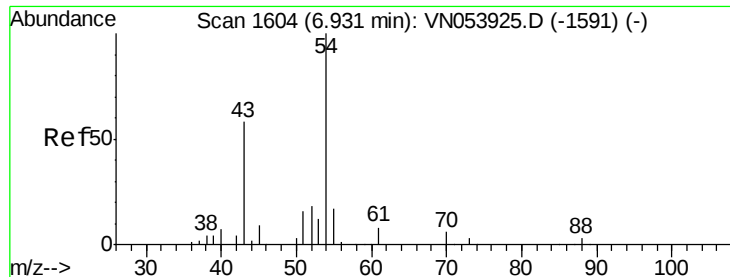
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	21.1	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 51.402 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	19.0	57.0
77	31.1	25.4	38.0

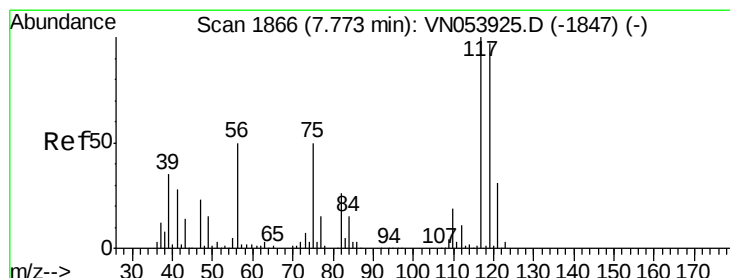
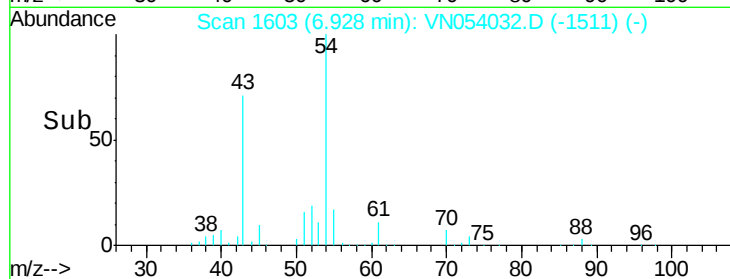
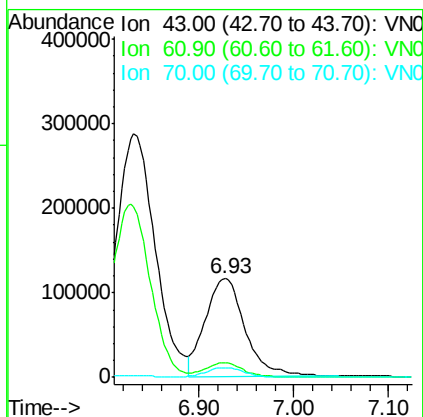
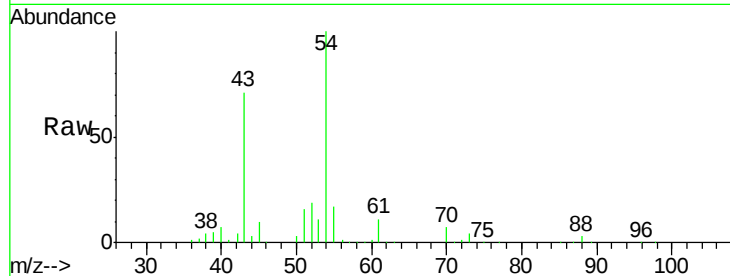




#37
Ethyl Acetate
Concen: 47.222 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

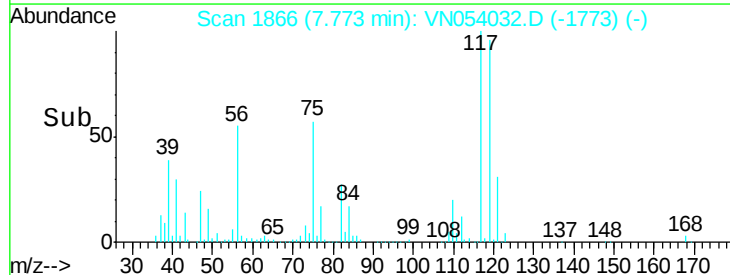
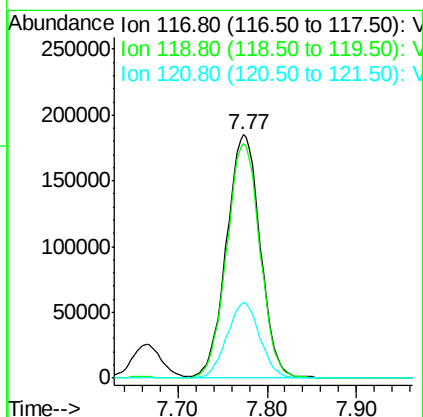
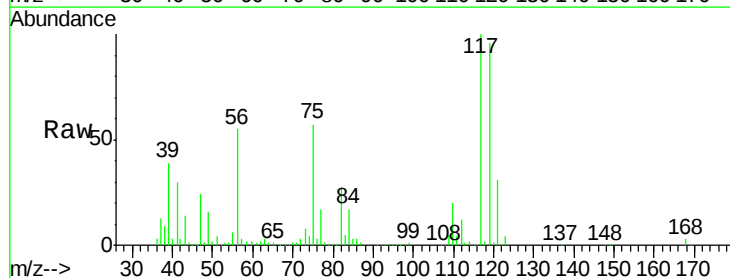
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

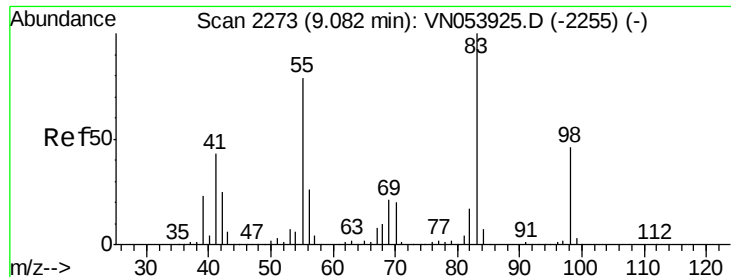
Tot Ion: 43 Resp: 335766
Ion Ratio Lower Upper
43 100
61 14.2 12.0 18.0
70 9.6 8.7 13.1



#38
Carbon Tetrachloride
Concen: 46.626 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 117 Resp: 482893
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.2
121 31.2 24.6 36.8

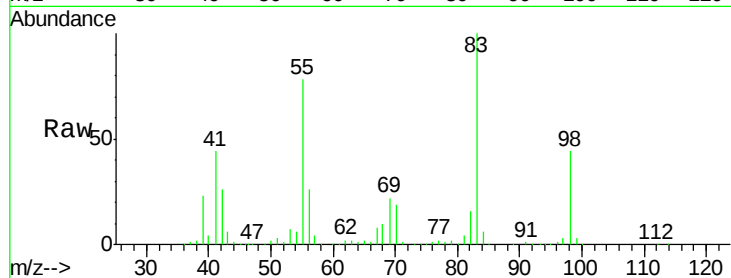




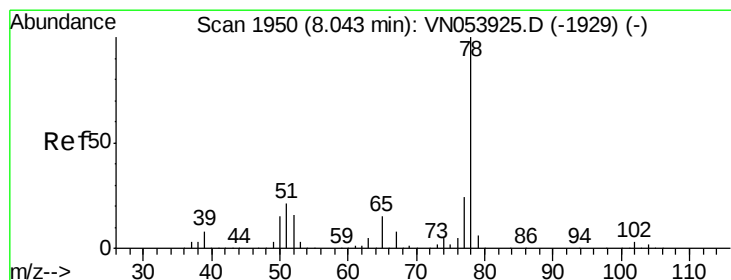
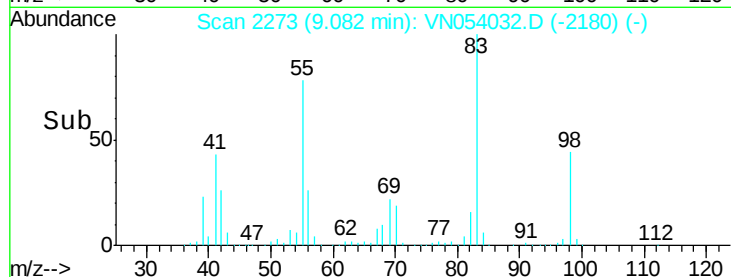
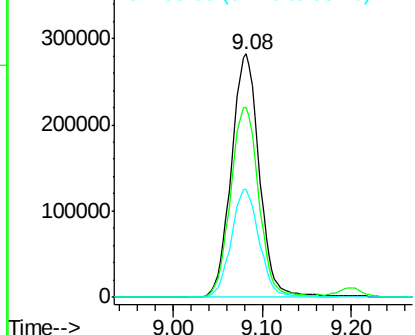
#39
Methvlcvclohexane
Concen: 51.226 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 614841
Ion Ratio Lower Upper
83 100
55 78.1 58.2 87.4
98 44.2 37.2 55.8

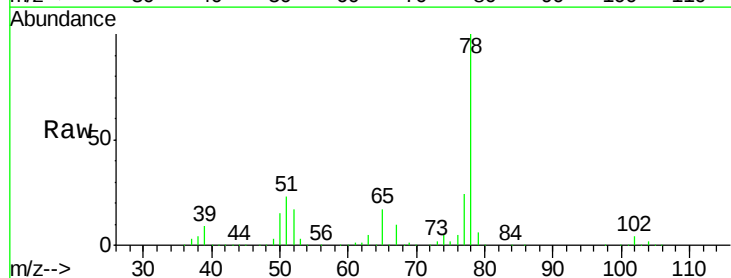


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

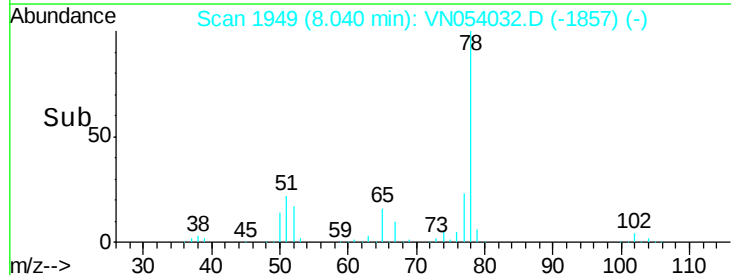
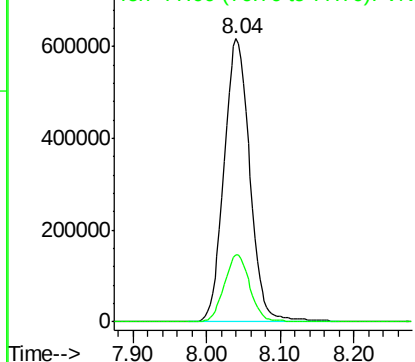


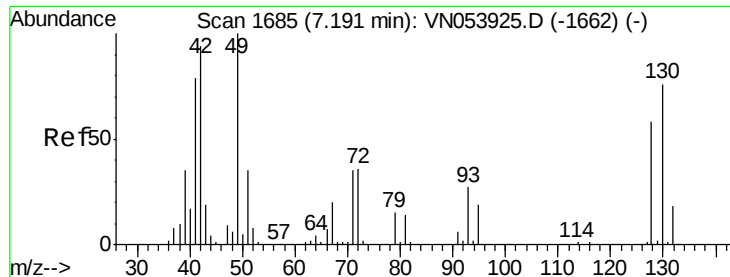
#40
Benzene
Concen: 49.228 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 78 Resp: 1505991
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 38.343 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.02 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 175556

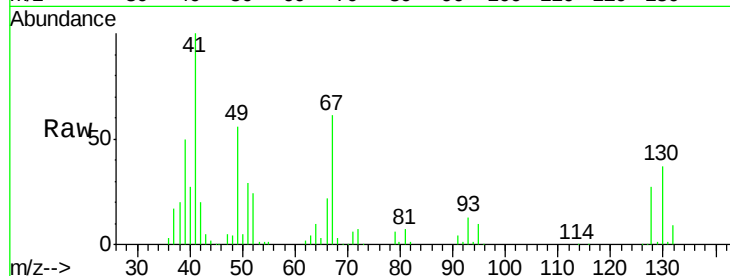
Ion Ratio Lower Upper

41 100

39 60.3 0.0 0.0#

67 82.7 0.0 0.0#

52 33.5 0.0 0.0#

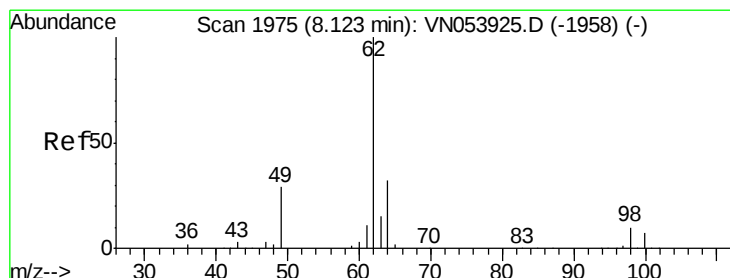
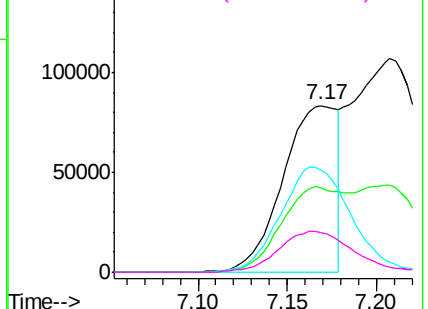
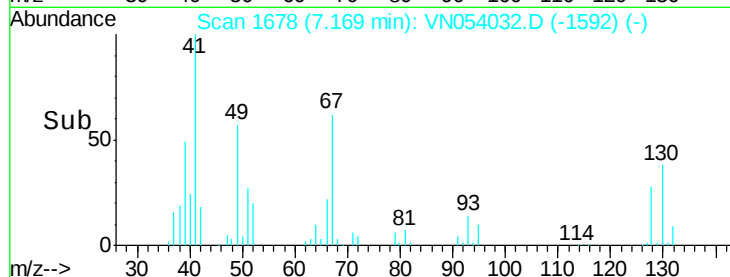


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 49.876 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054032.D

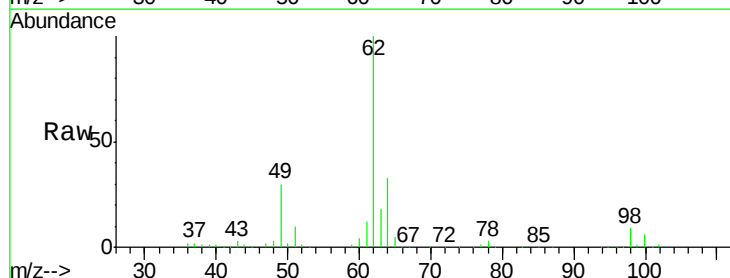
Acq: 1 Mar 2019 16:27

Tgt Ion: 62 Resp: 472381

Ion Ratio Lower Upper

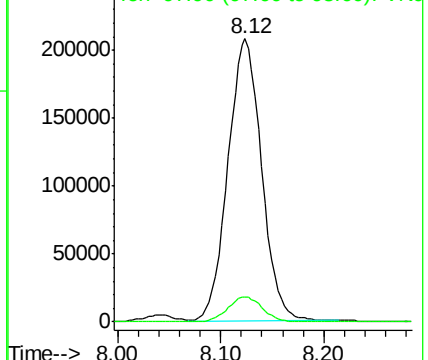
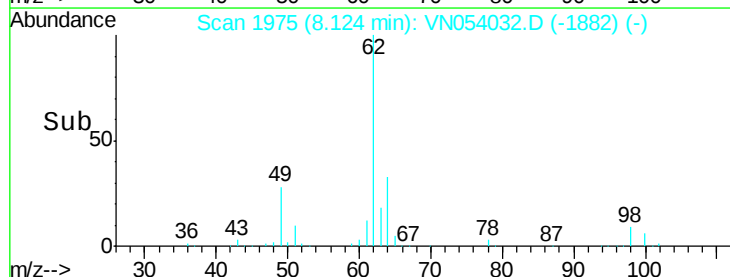
62 100

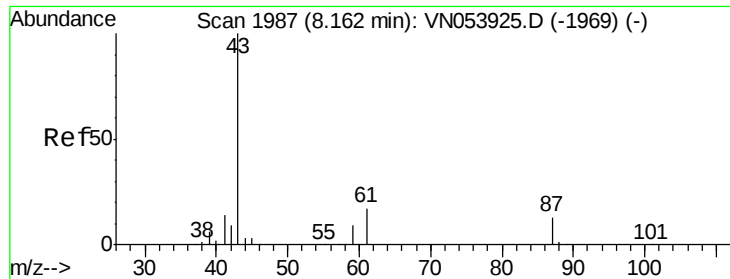
98 9.1 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 48.789 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

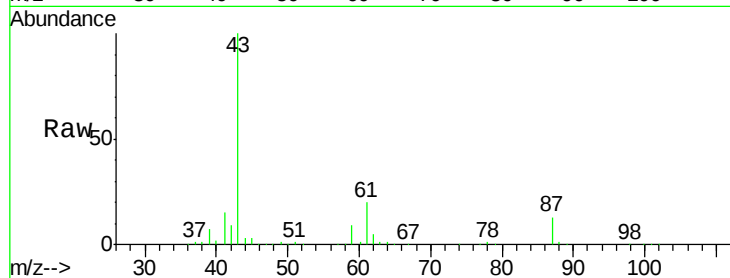
Tot Ion: 43 Resp: 585734

Ion Ratio Lower Upper

43 100

61 19.5 17.4 26.0

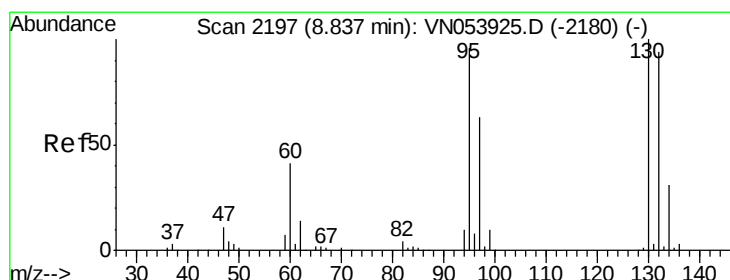
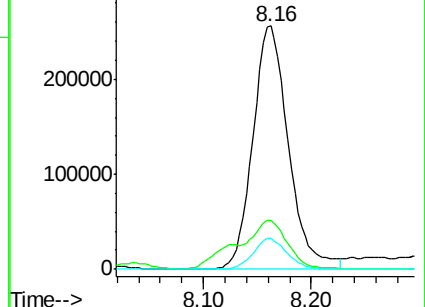
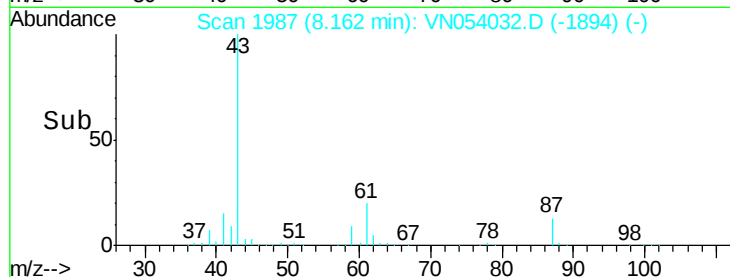
87 12.2 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN054032.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN054032.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN054032.D (-1894) (-)



#44

Trichloroethene

Concen: 48.552 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054032.D

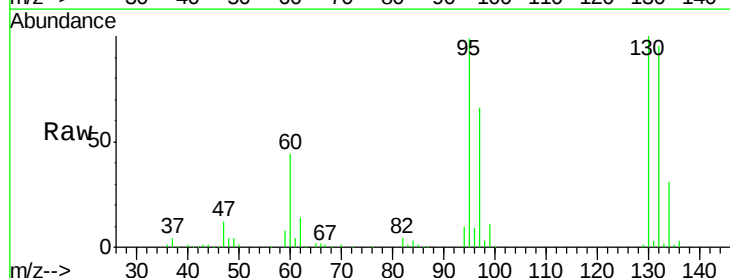
Acq: 1 Mar 2019 16:27

Tgt Ion:130 Resp: 393765

Ion Ratio Lower Upper

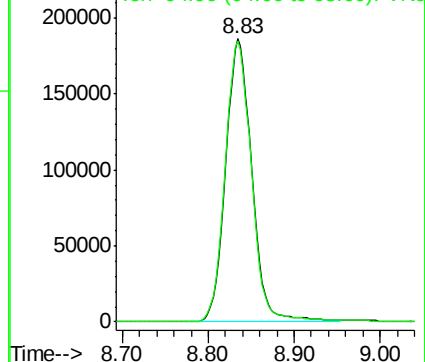
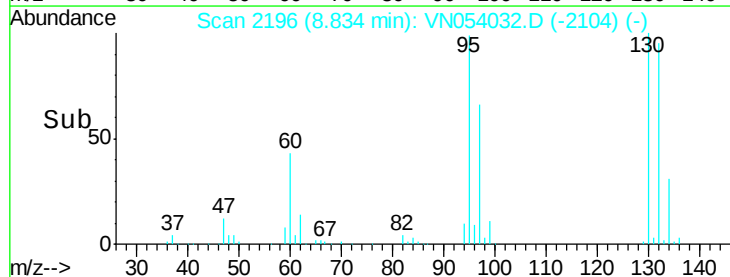
130 100

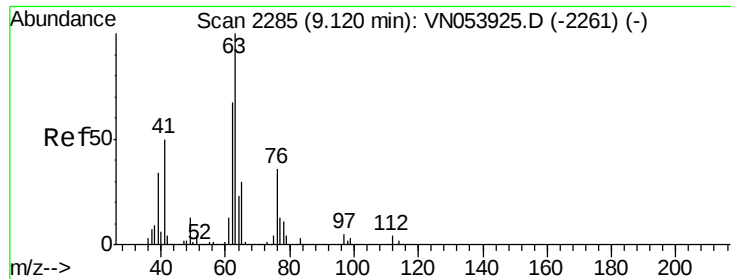
95 99.4 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN054032.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN054032.D (-2104) (-)

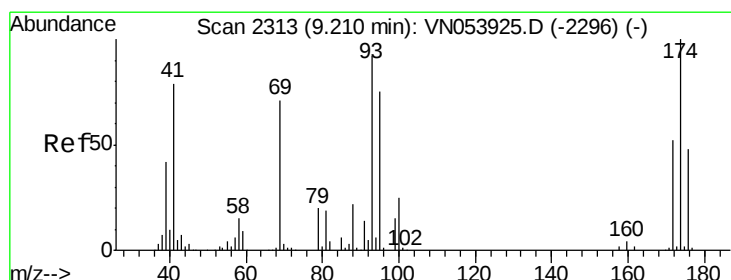
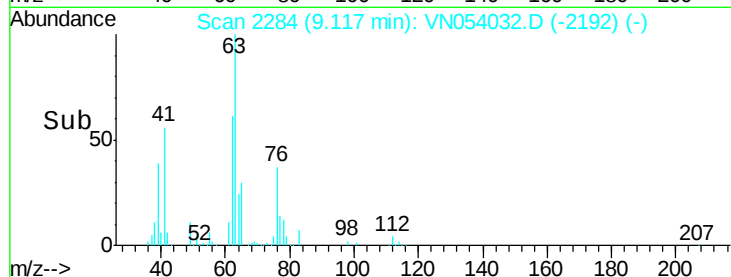
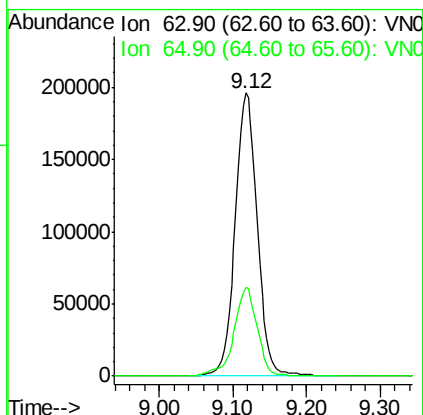
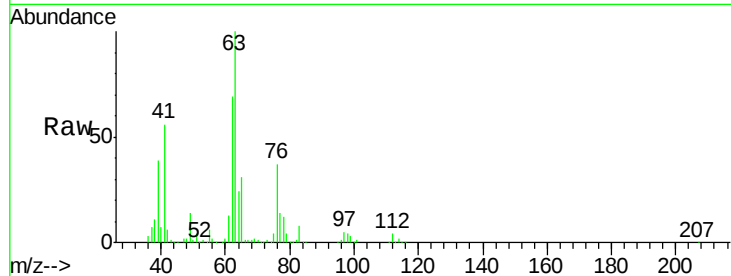




#45
 1,2-Dichloropropane
 Concen: 49.742 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

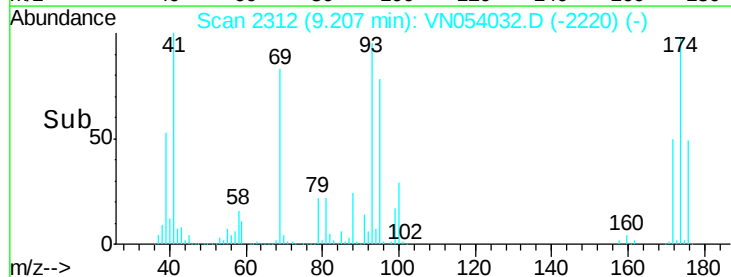
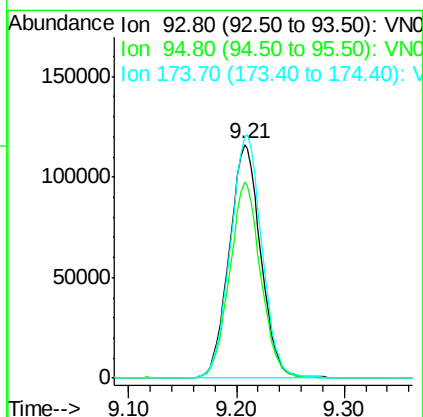
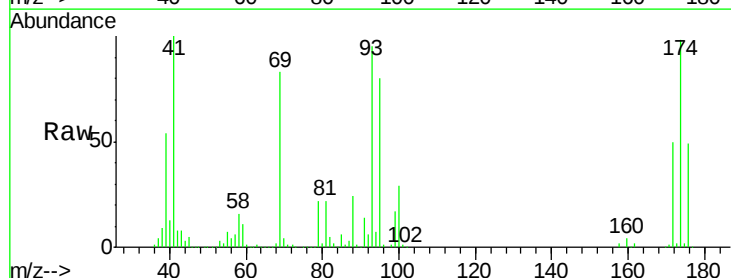
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

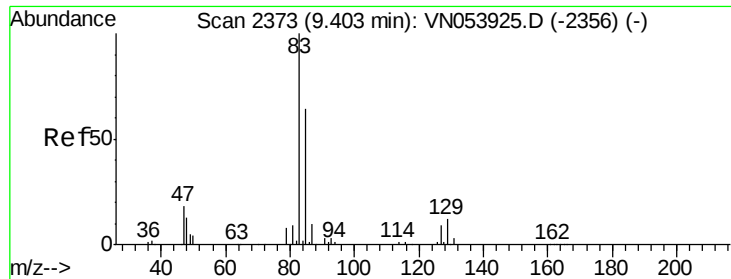
Tot Ion: 63 Resp: 410545
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5



#46
 Dibromomethane
 Concen: 49.307 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion: 93 Resp: 236260
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 104.6 96.2 144.4





#47

Bromodichloromethane

Concen: 49.660 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

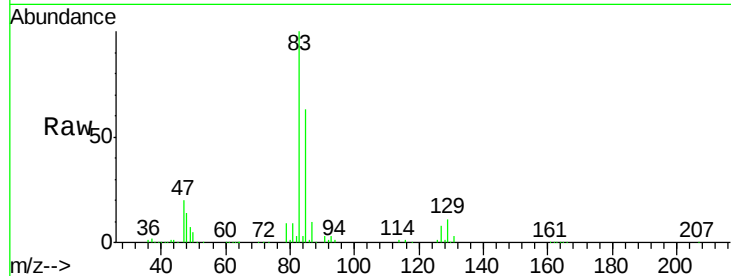
Tot Ion: 83 Resp: 501465

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.6

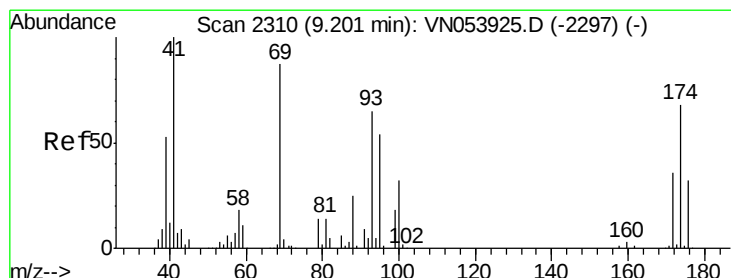
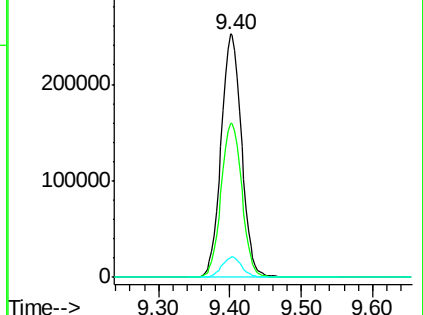
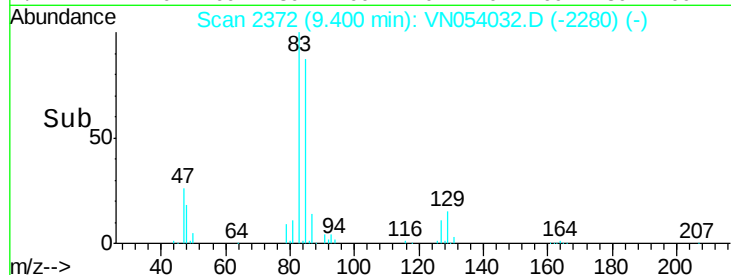
127 8.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN054032.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054032.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054032.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.012 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

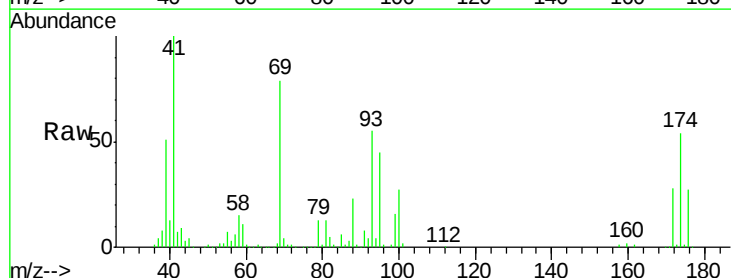
Tgt Ion: 41 Resp: 287218

Ion Ratio Lower Upper

41 100

69 87.8 74.8 112.2

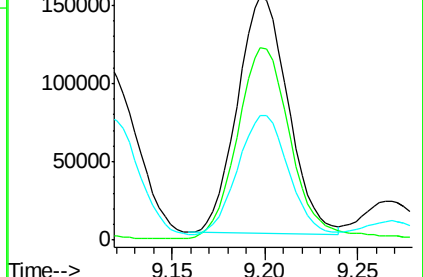
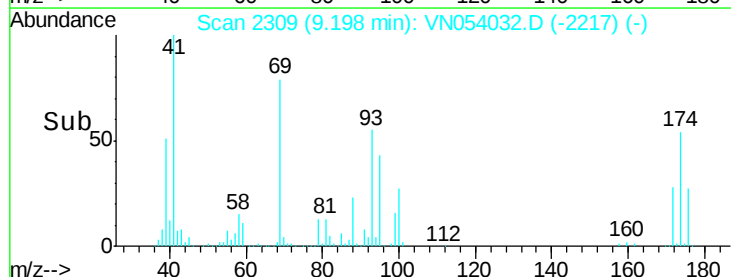
39 55.8 39.0 58.6

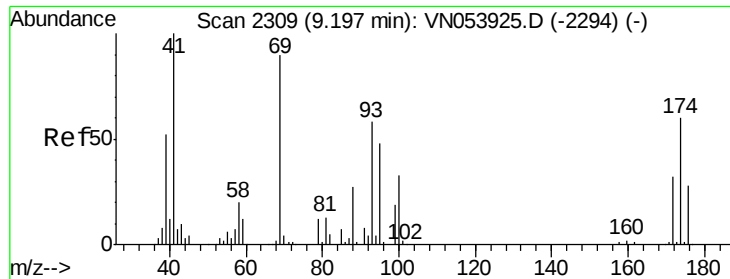


Abundance Ion 41.00 (40.70 to 41.70): VN054032.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054032.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054032.D (-2217) (-)

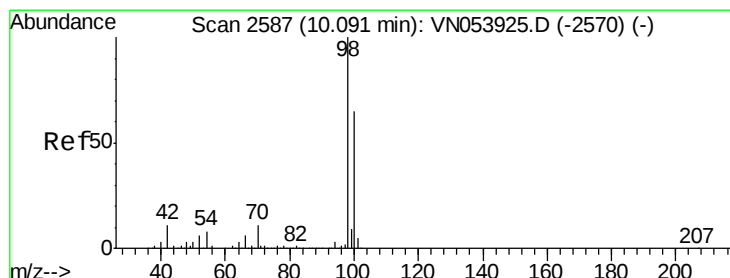
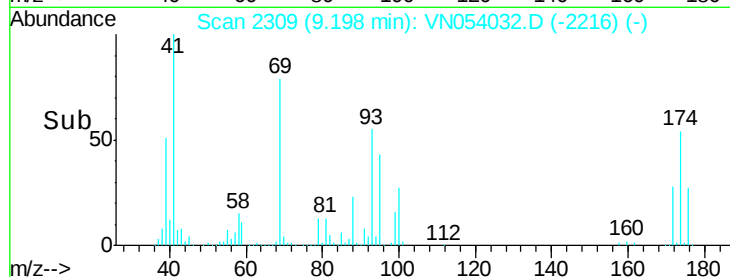
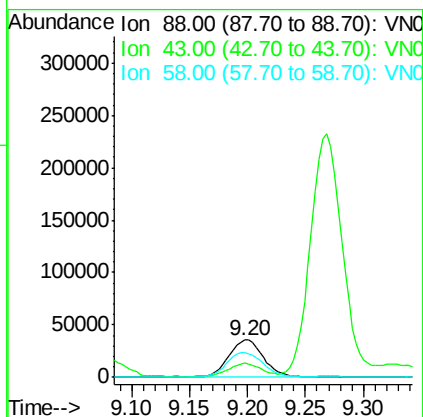
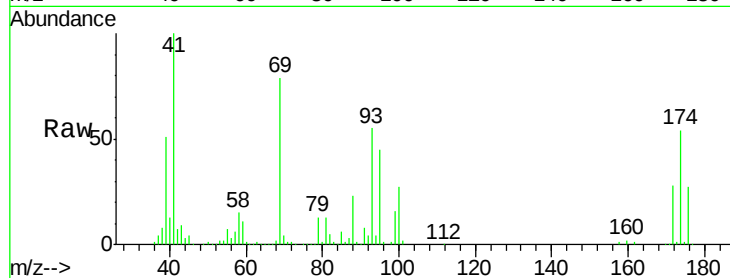




#49
 1,4-Dioxane
 Concen: 1012.754 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

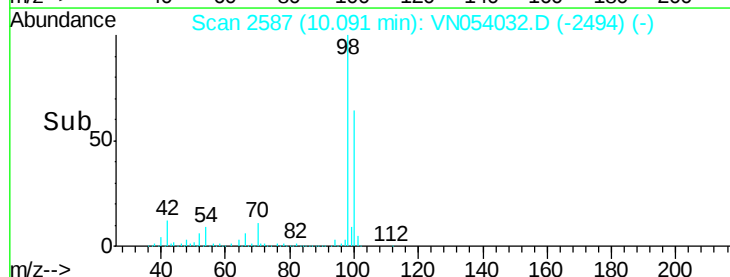
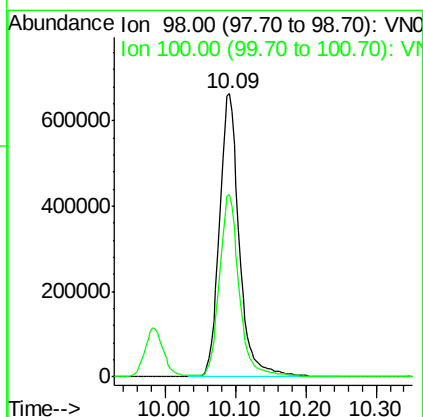
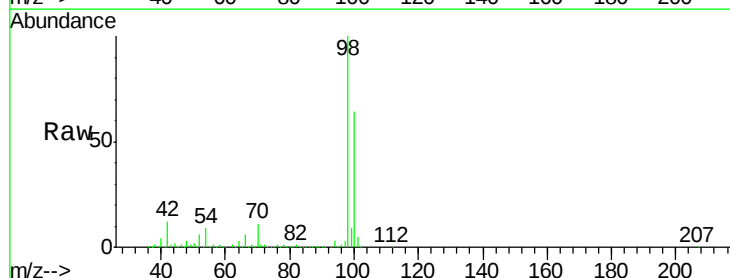
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

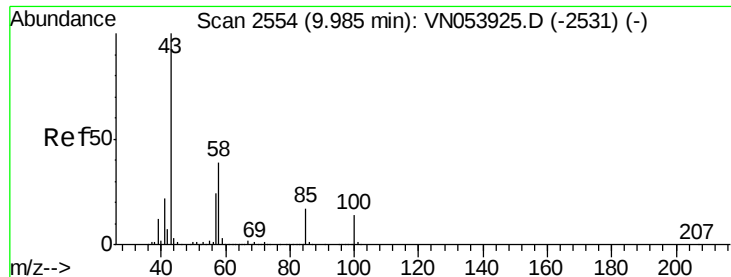
Tot Ion: 88 Resp: 75748
 Ion Ratio Lower Upper
 88 100
 43 32.5 21.2 31.8#
 58 70.1 54.2 81.2



#50
 Toluene-d8
 Concen: 50.462 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion: 98 Resp: 1300737
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 265.996 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

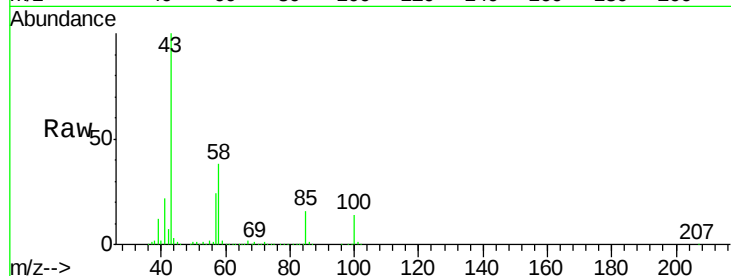
VSTDCCC050

Tot Ion: 43 Resp: 1640993

Ion Ratio Lower Upper

43 100

58 38.2 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-2531) (-)

9.98

800000

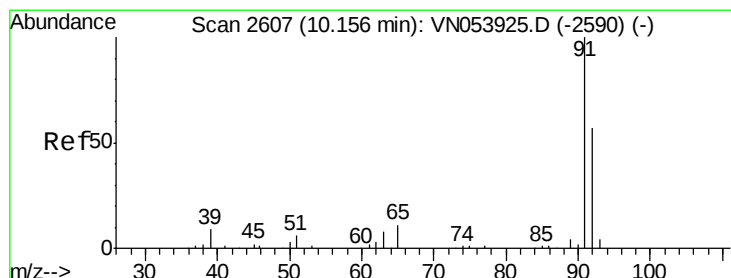
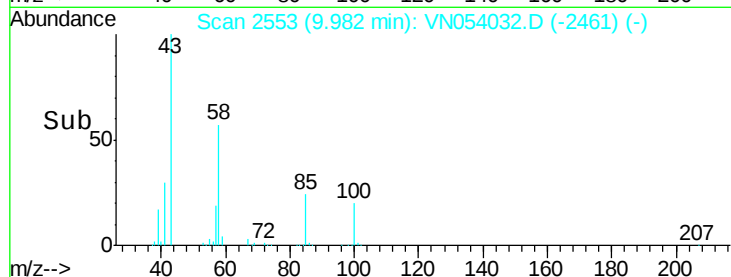
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.310 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054032.D

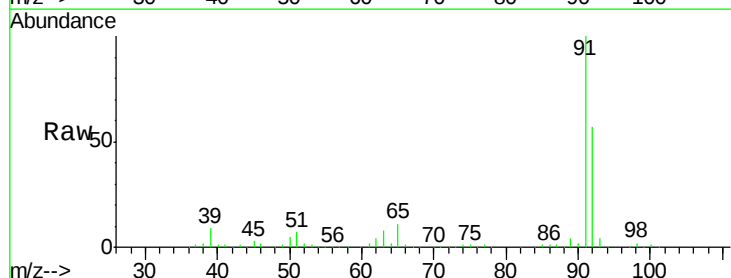
Acq: 1 Mar 2019 16:27

Tgt Ion: 92 Resp: 906259

Ion Ratio Lower Upper

92 100

91 175.5 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN053925.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN053925.D (-2590) (-)

10.16

800000

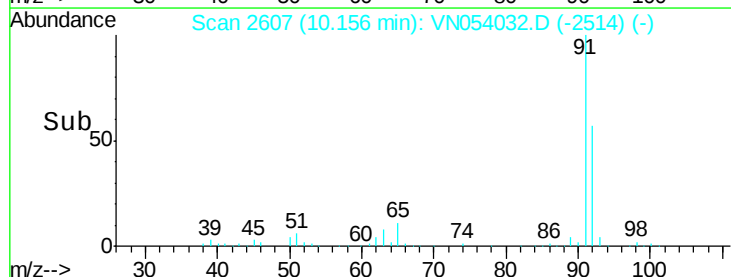
600000

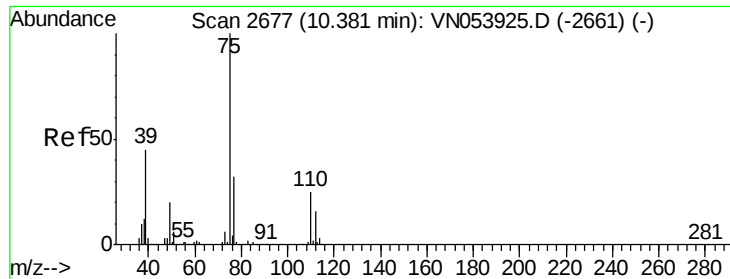
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.963 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

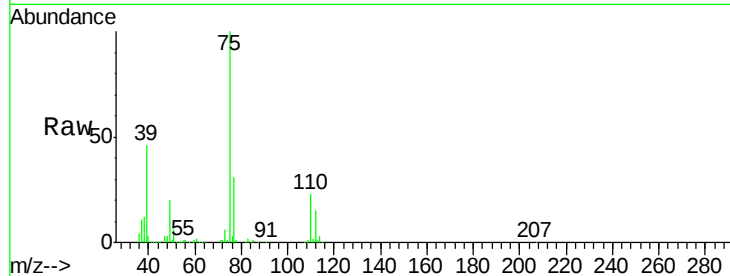
VSTDCCC050

Tot Ion: 75 Resp: 510549

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

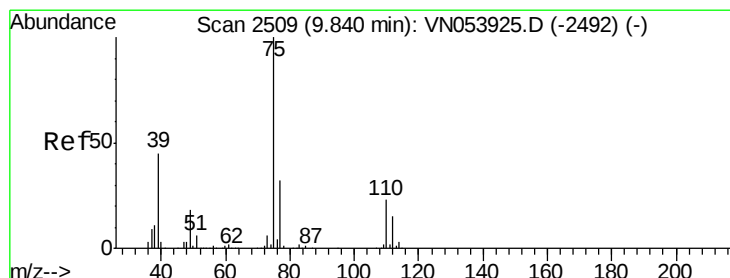
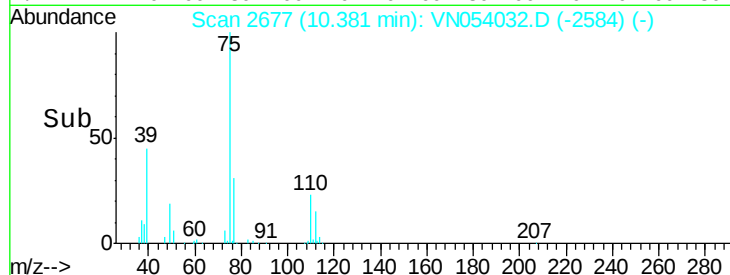
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.720 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

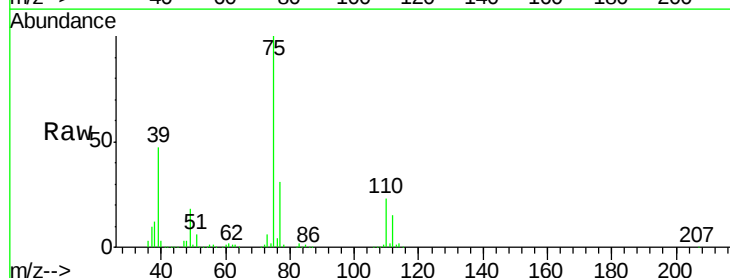
Tgt Ion: 75 Resp: 599062

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

39 47.1 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

9.84

400000

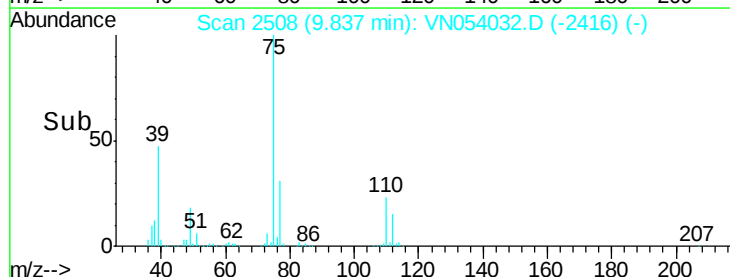
300000

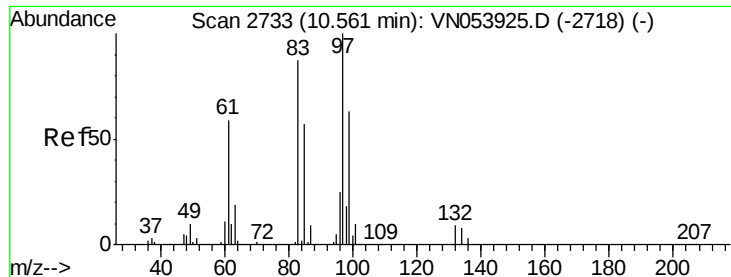
200000

100000

0

Time-->

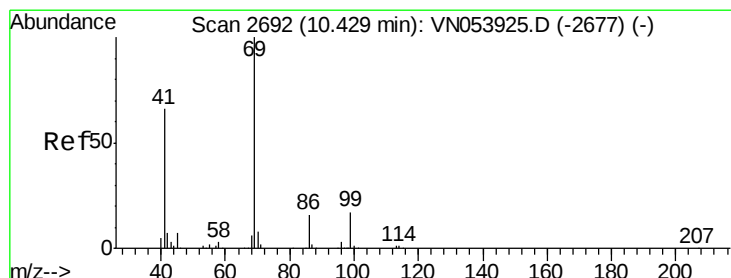
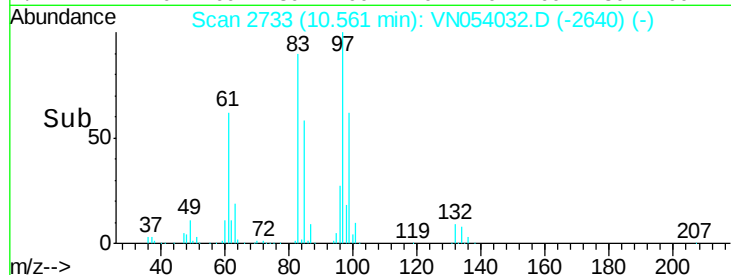
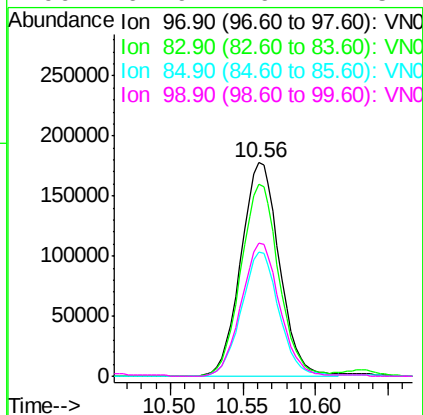
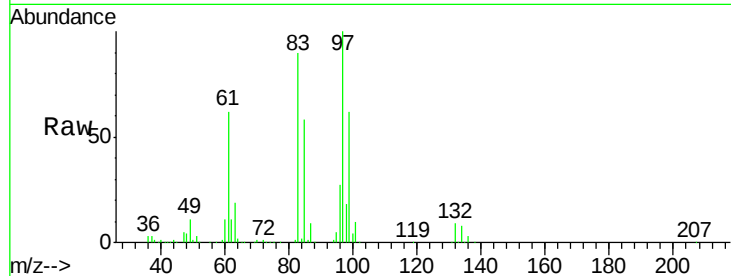




#55
 1,1,2-Trichloroethane
 Concen: 48.846 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

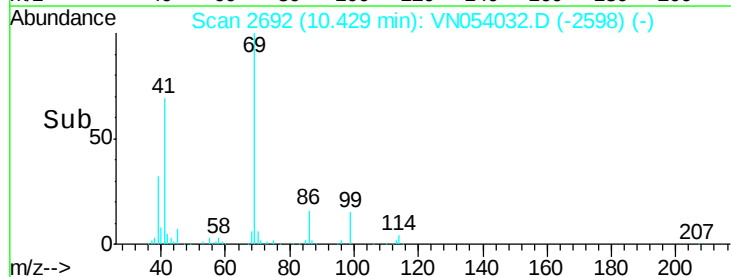
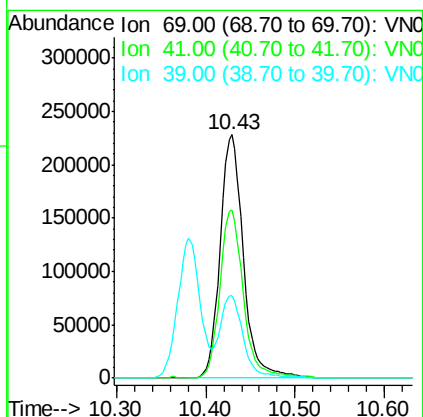
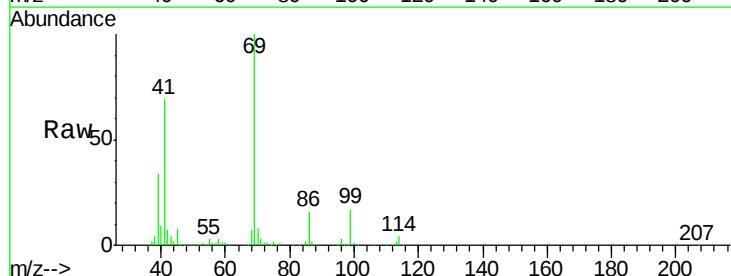
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

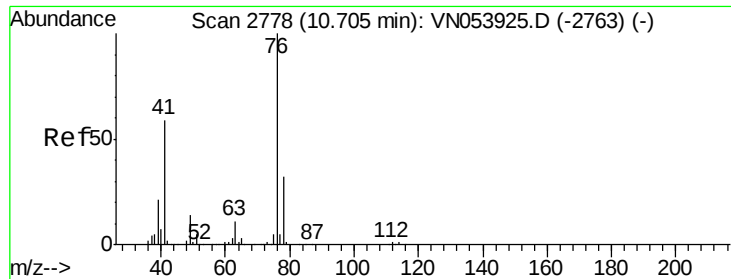
Tot Ion: 97 Resp: 328604
 Ion Ratio Lower Upper
 97 100
 83 90.0 69.5 104.3
 85 58.0 45.9 68.9
 99 61.9 49.1 73.7



#56
 Ethyl methacrylate
 Concen: 46.841 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion: 69 Resp: 412048
 Ion Ratio Lower Upper
 69 100
 41 68.7 47.5 71.3
 39 33.9 23.4 35.0





#57

1,3-Dichloropropane

Concen: 50.089 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

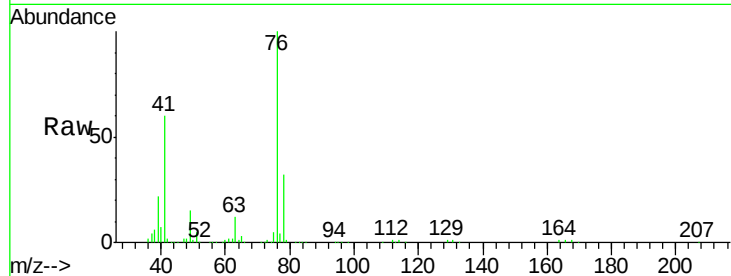
VSTDCCC050

Tot Ion: 76 Resp: 569347

Ion Ratio Lower Upper

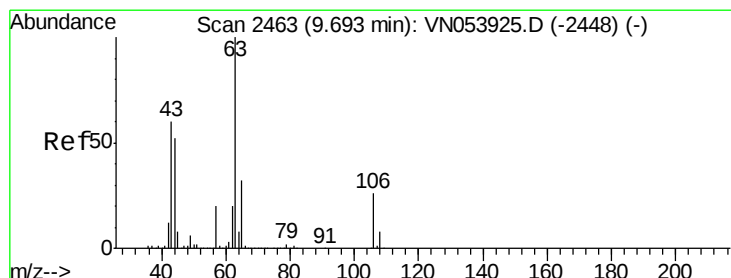
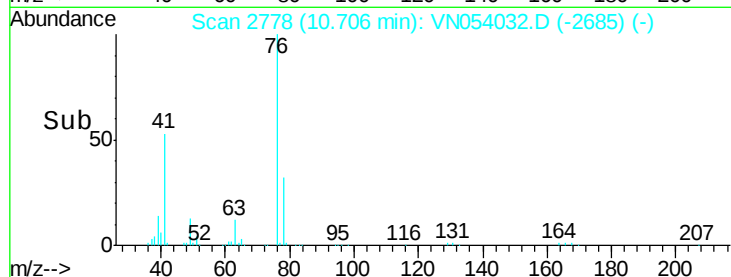
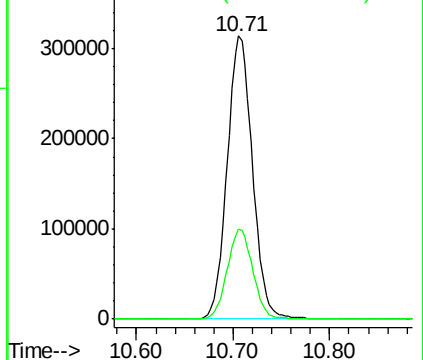
76 100

78 32.3 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#58

2-Chloroethyl Vinyl ether

Concen: 239.167 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN054032.D

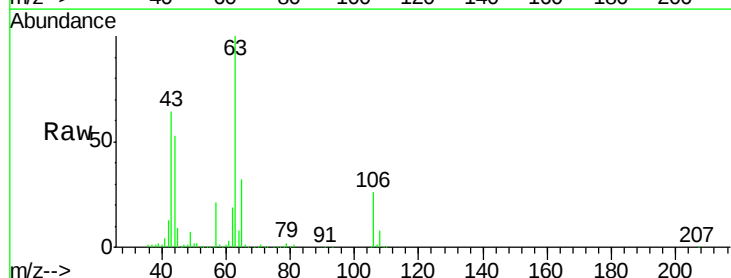
Acq: 1 Mar 2019 16:27

Tgt Ion: 63 Resp: 979644

Ion Ratio Lower Upper

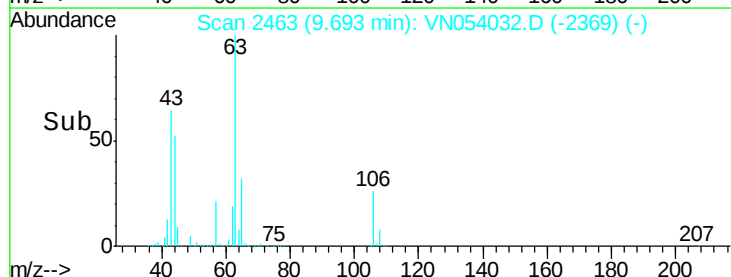
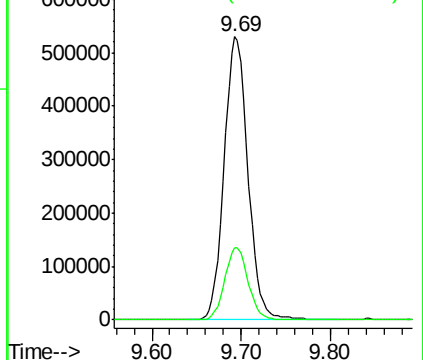
63 100

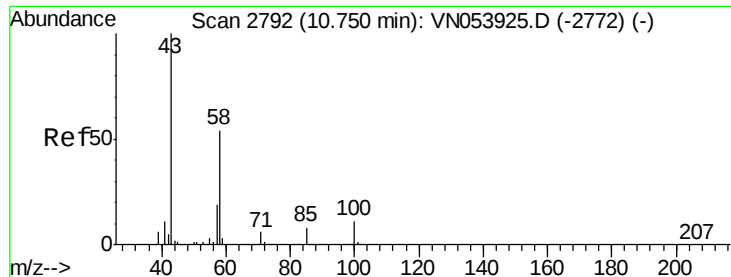
106 25.1 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 105.90 (105.60 to 106.60): V

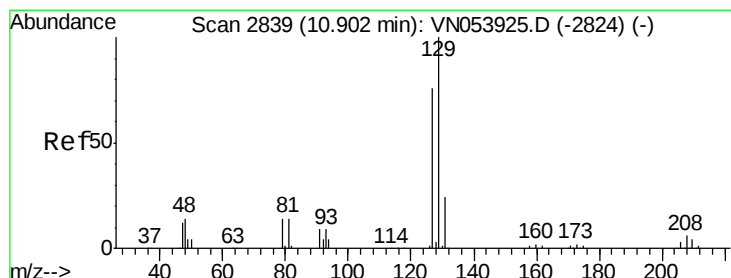
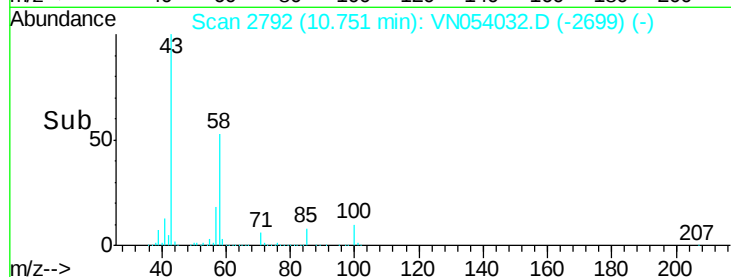
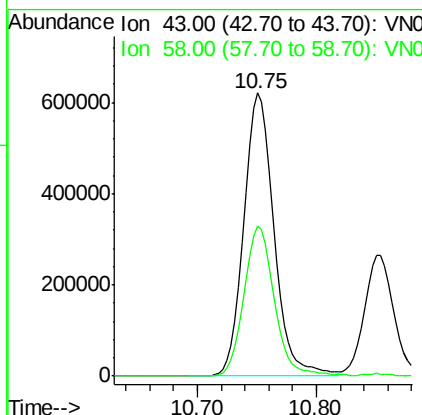
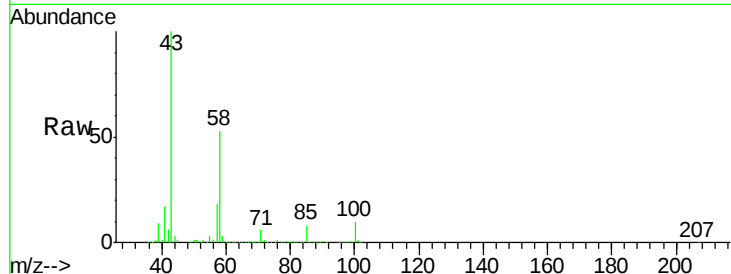




#59
2-Hexanone
Concen: 271.748 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

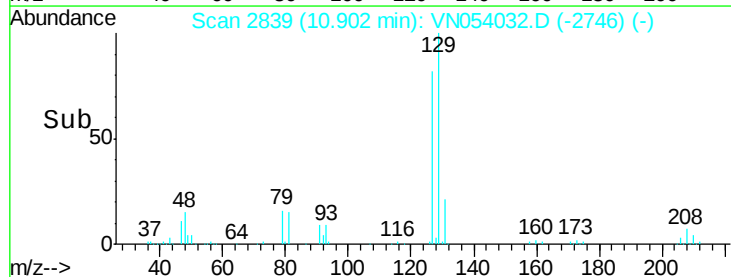
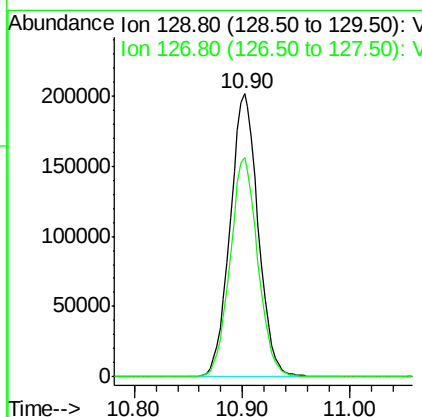
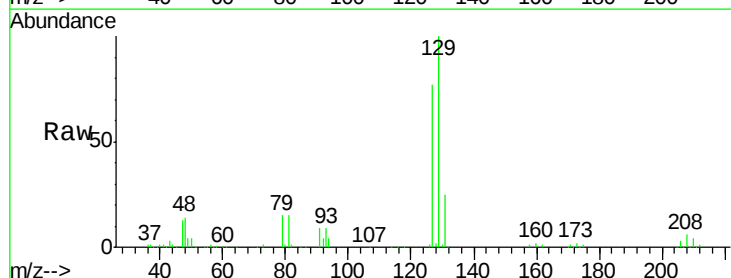
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

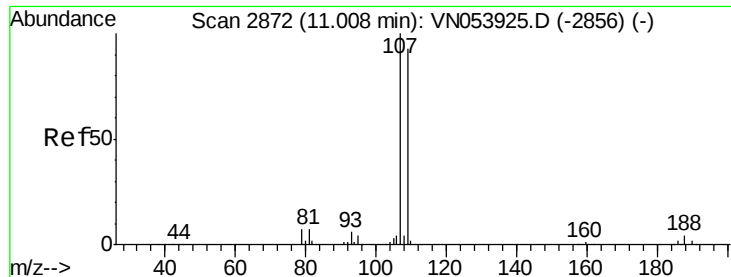
Tot Ion: 43 Resp: 1090353
Ion Ratio Lower Upper
43 100
58 53.3 29.1 87.4



#60
Dibromochloromethane
Concen: 48.804 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 129 Resp: 364887
Ion Ratio Lower Upper
129 100
127 76.6 38.8 116.3

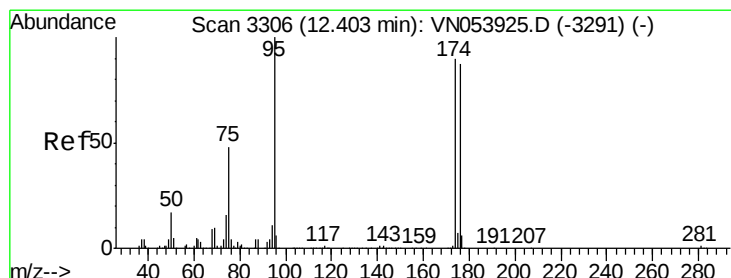
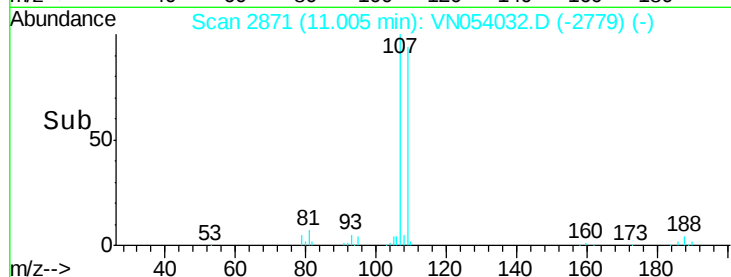
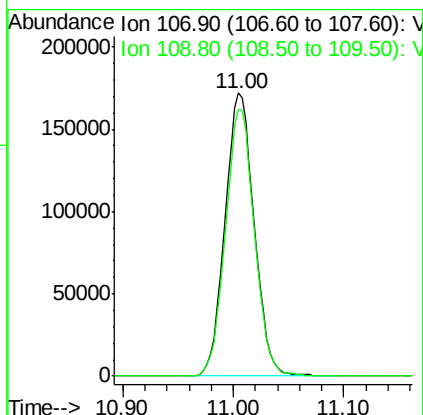
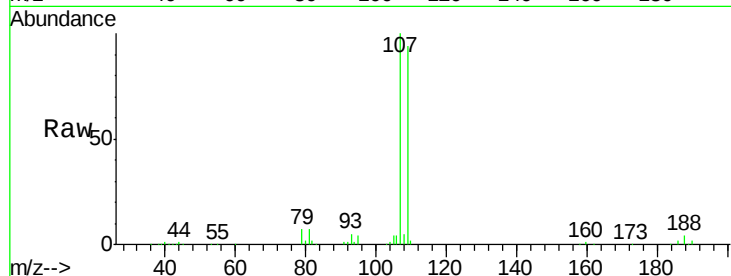




#61
 1,2-Dibromoethane
 Concen: 48.428 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

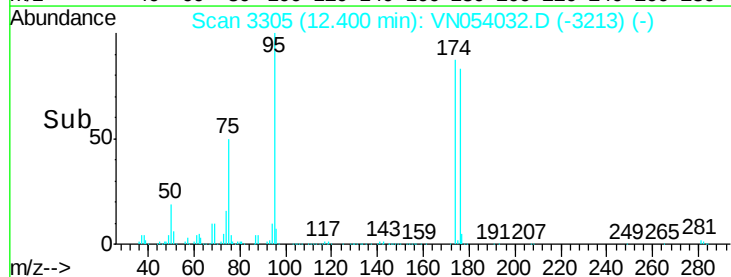
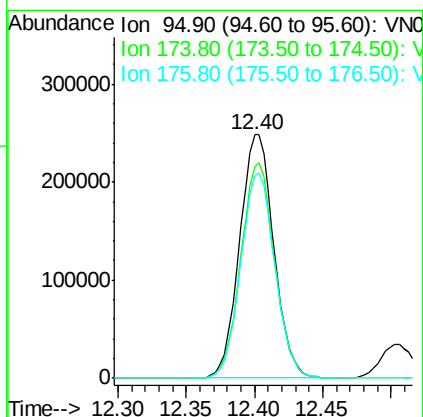
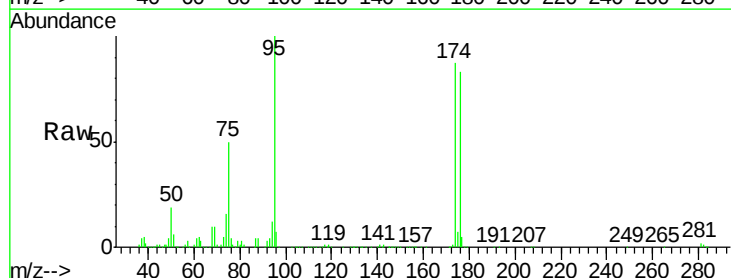
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

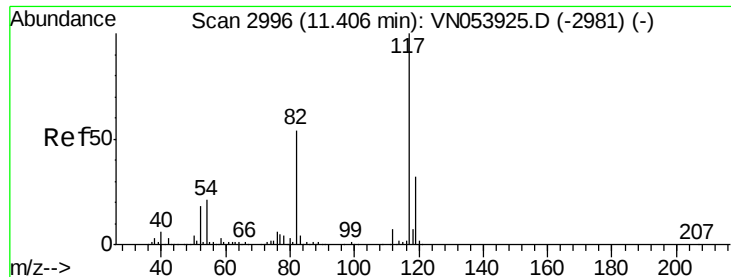
Tot Ion:107 Resp: 314275
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 50.352 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion: 95 Resp: 432423
 Ion Ratio Lower Upper
 95 100
 174 87.4 0.0 188.8
 176 84.1 0.0 182.6

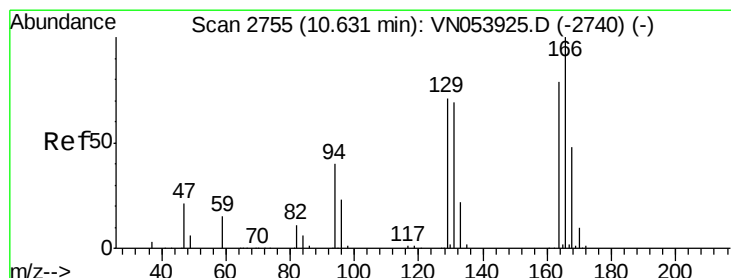
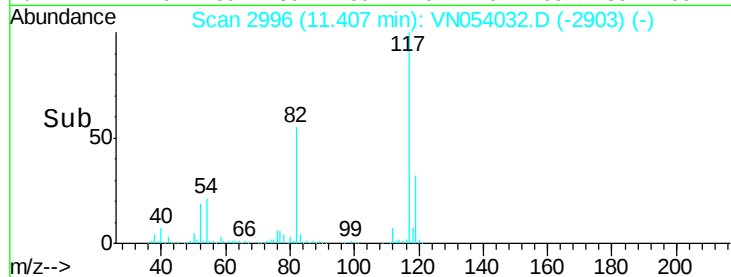
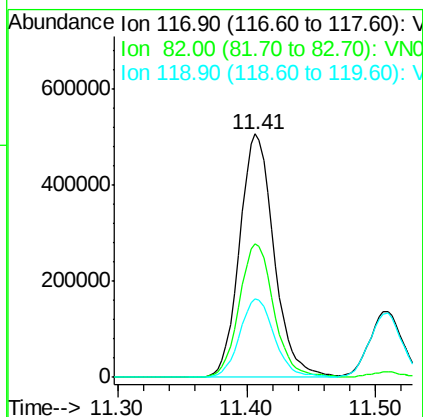
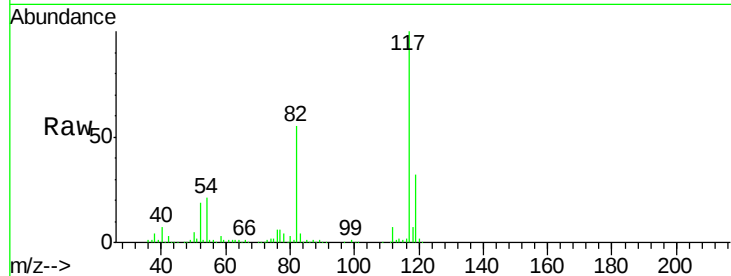




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

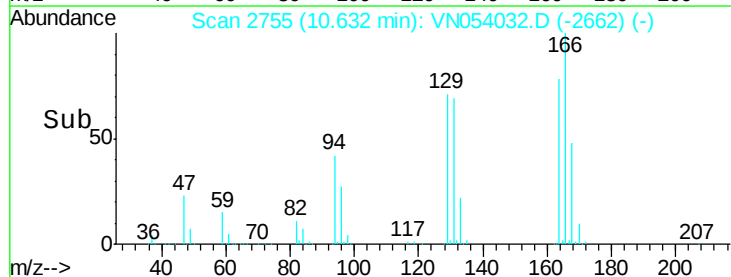
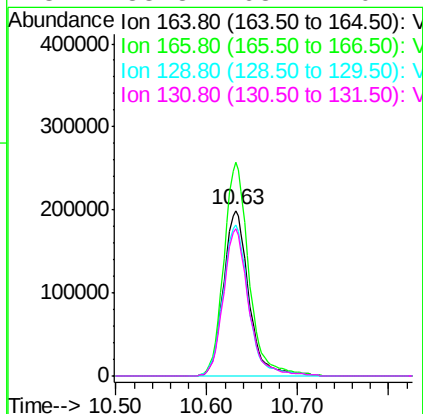
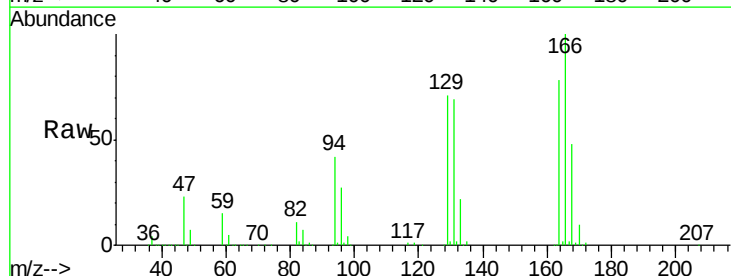
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 939390
Ion Ratio Lower Upper
117 100
82 55.1 41.4 62.2
119 32.3 25.3 37.9



#64
Tetrachloroethene
Concen: 48.338 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion:164 Resp: 384505
Ion Ratio Lower Upper
164 100
166 128.9 102.6 153.8
129 90.9 69.4 104.0
131 88.8 68.1 102.1

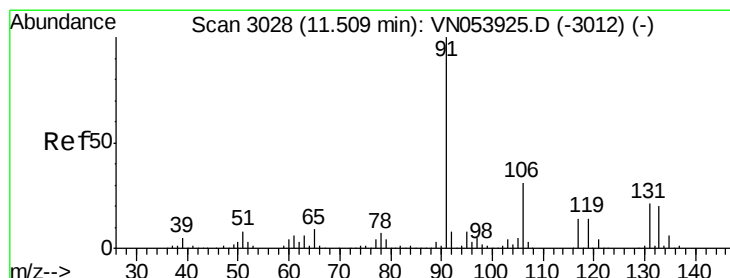
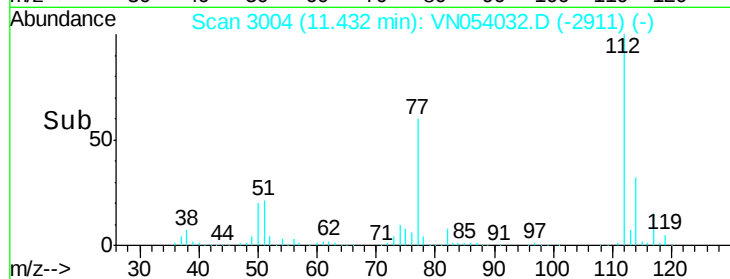
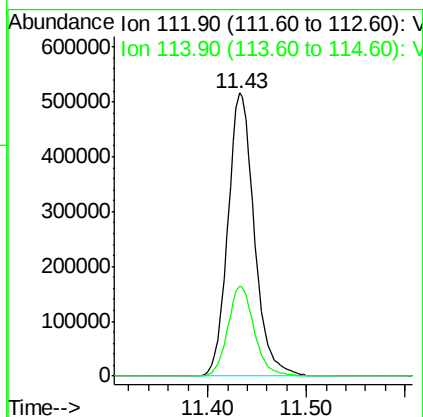
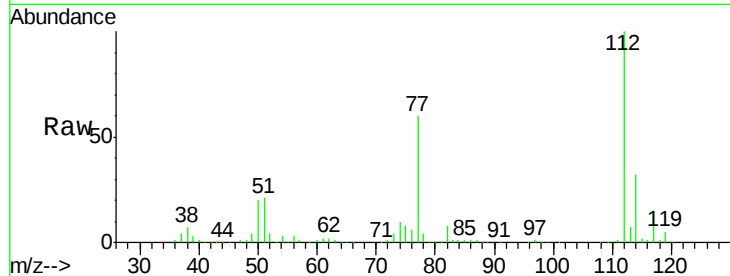




#65
Chlorobenzene
Concen: 48.613 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

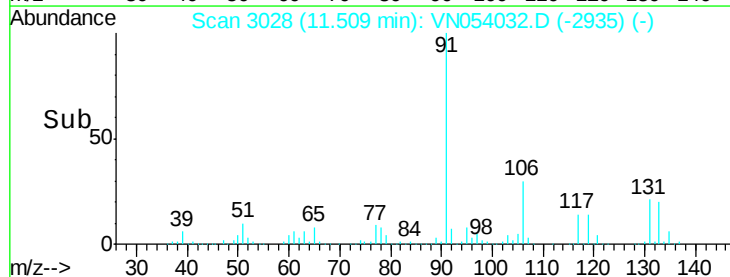
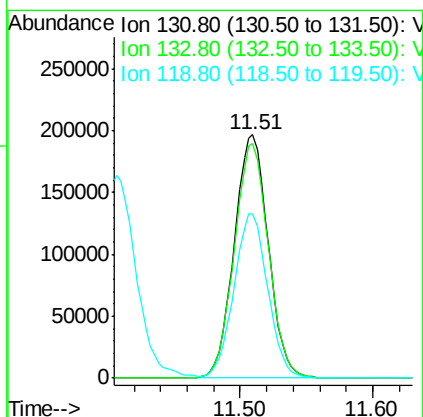
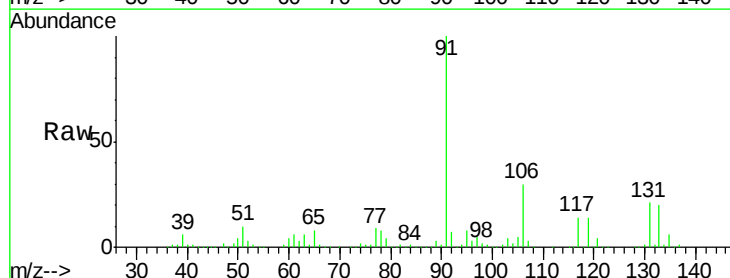
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

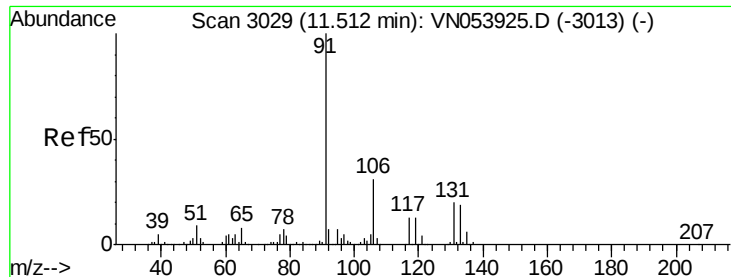
Tot Ion:112 Resp: 963786
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.024 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion:131 Resp: 350288
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 67.4 33.1 99.3

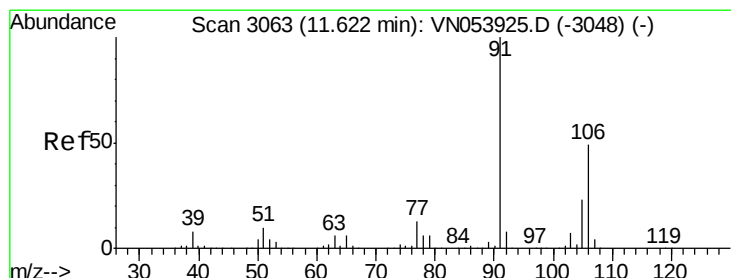
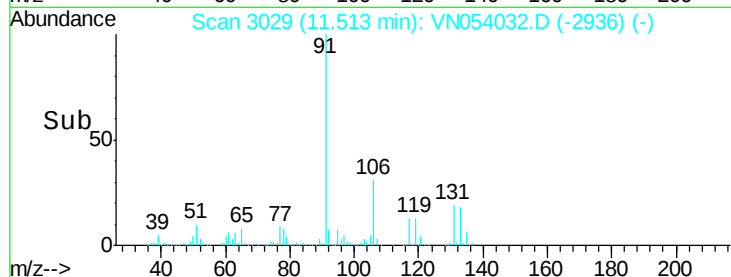
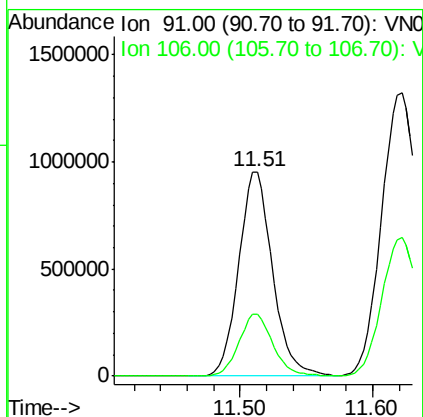
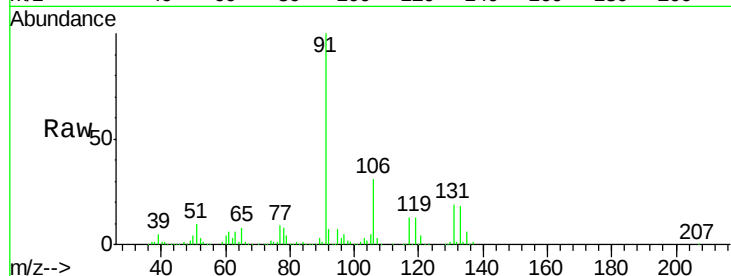




#67
Ethyl Benzene
Concen: 50.909 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

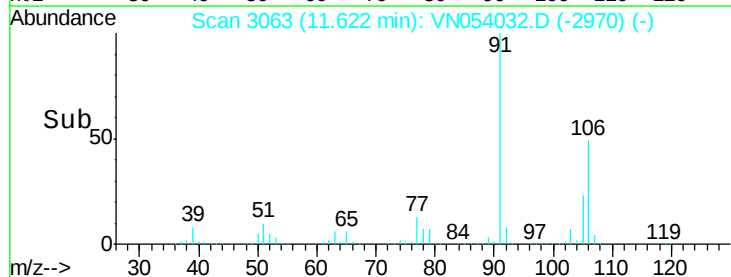
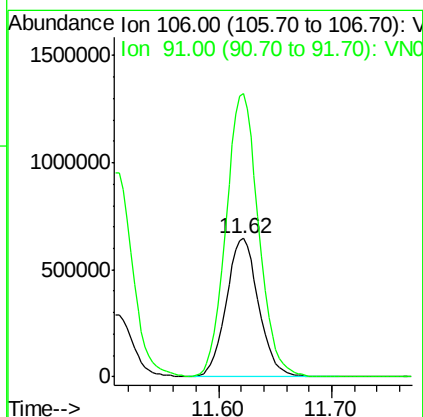
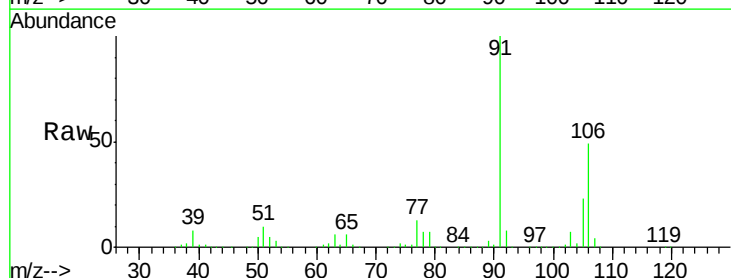
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

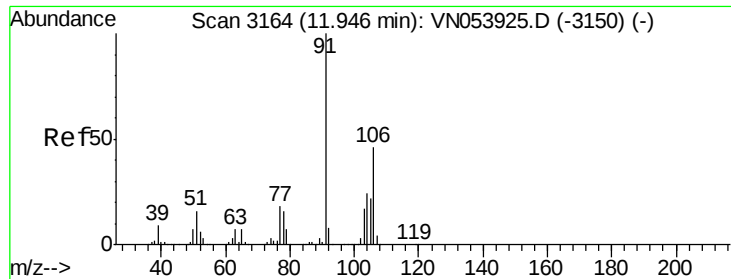
Tot Ion: 91 Resp: 1692006
Ion Ratio Lower Upper
91 100
106 30.6 25.2 37.8



#68
m/p-Xylenes
Concen: 102.505 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 106 Resp: 1285834
Ion Ratio Lower Upper
106 100
91 206.0 158.9 238.3

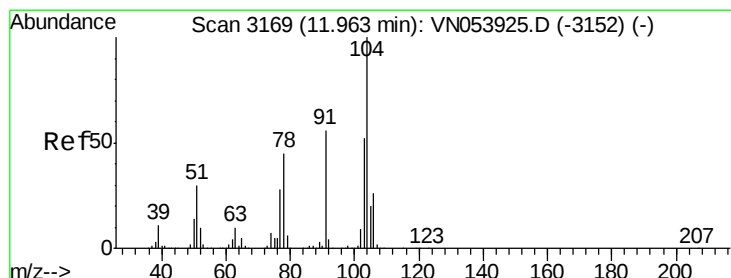
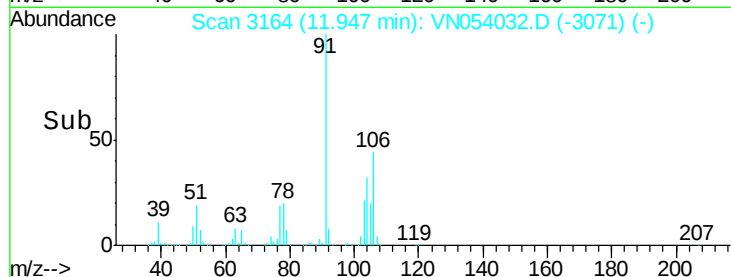
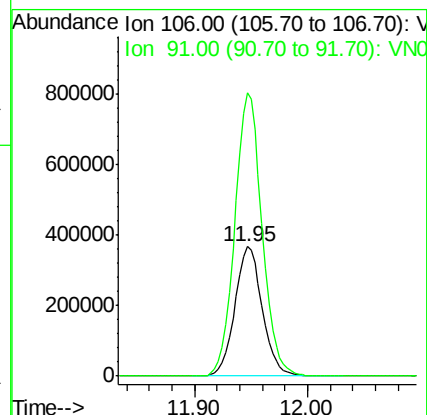
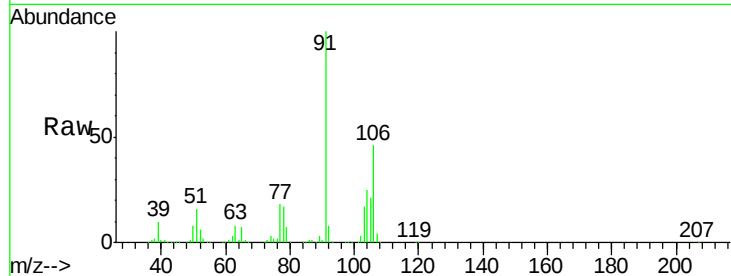




#69
o-Xylene
Concen: 50.071 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

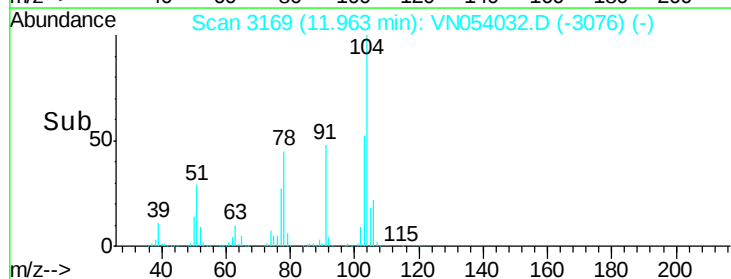
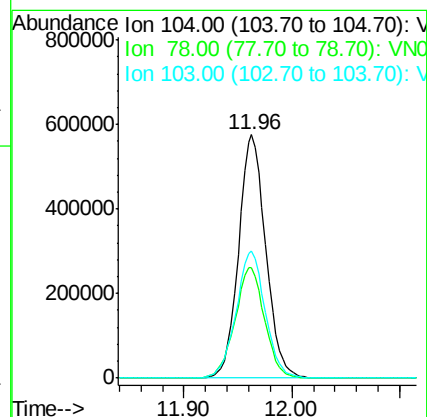
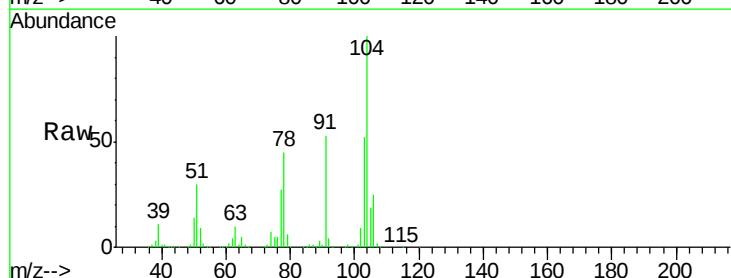
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

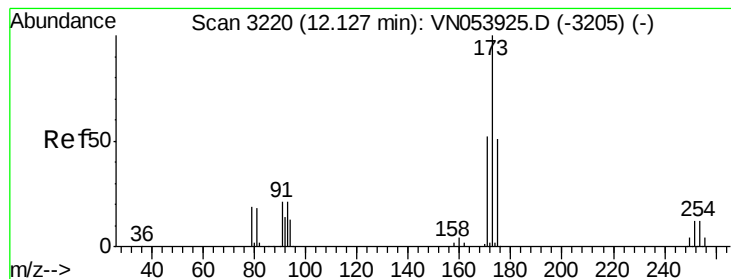
Tot Ion:106 Resp: 617151
Ion Ratio Lower Upper
106 100
91 217.2 106.0 318.0



#70
Styrene
Concen: 53.249 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion:104 Resp: 1009498
Ion Ratio Lower Upper
104 100
78 49.6 38.1 57.1
103 55.9 44.6 67.0





#71

Bromoform

Concen: 47.954 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

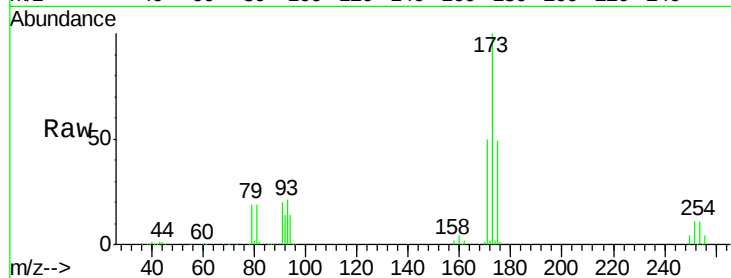
Tot Ion:173 Resp: 238369

Ion Ratio Lower Upper

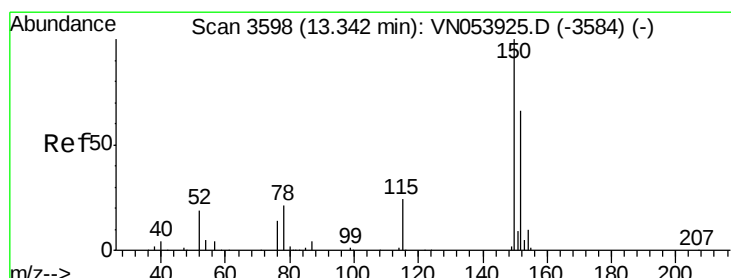
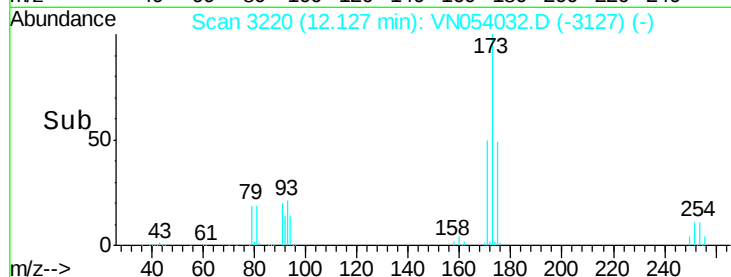
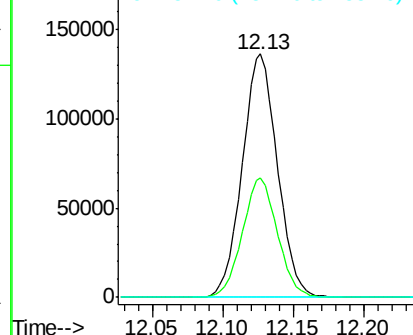
173 100

175 48.7 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: VN054032.D

Acq: 1 Mar 2019 16:27

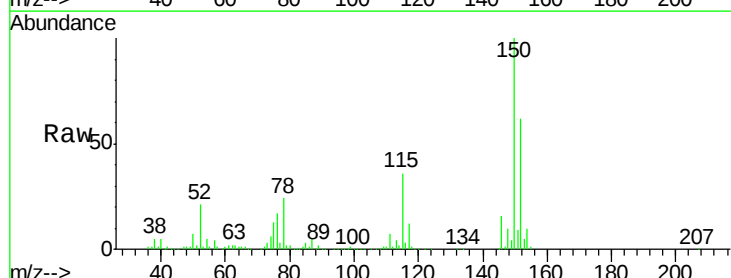
Tgt Ion:152 Resp: 427218

Ion Ratio Lower Upper

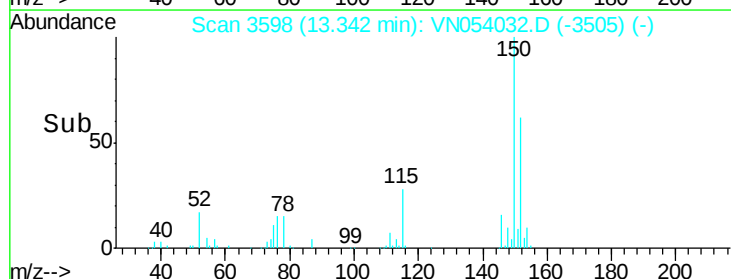
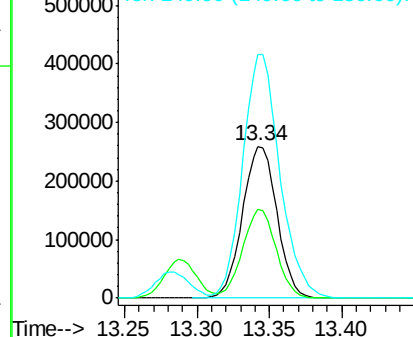
152 100

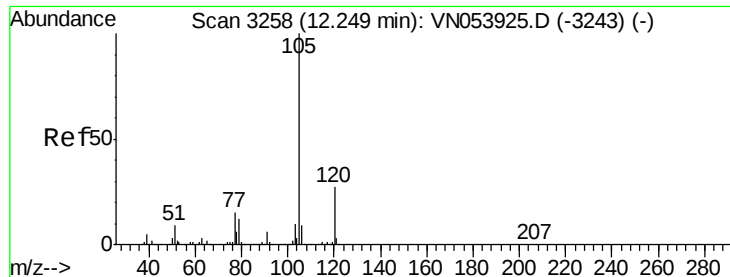
115 57.1 27.2 81.6

150 173.3 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: 49.001 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

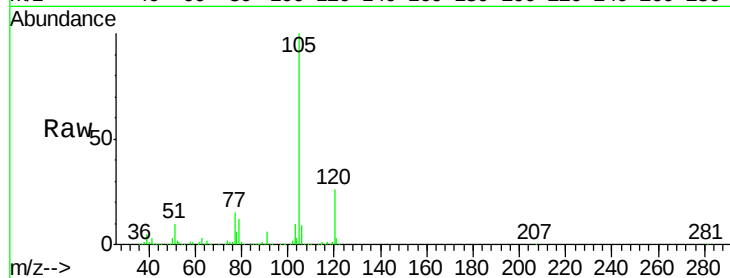
VSTDCCC050

Tot Ion:105 Resp: 1629581

Ion Ratio Lower Upper

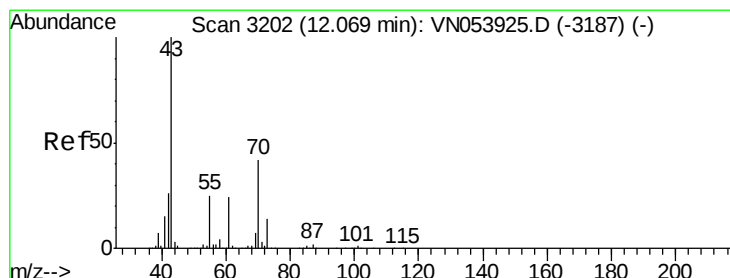
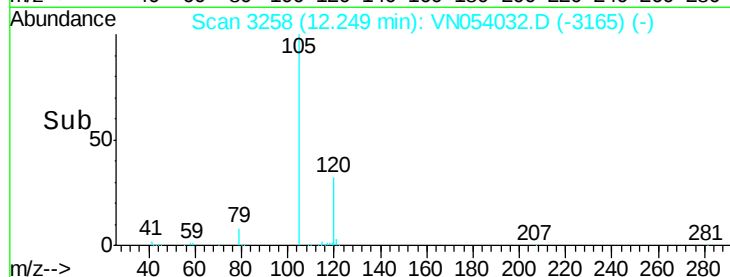
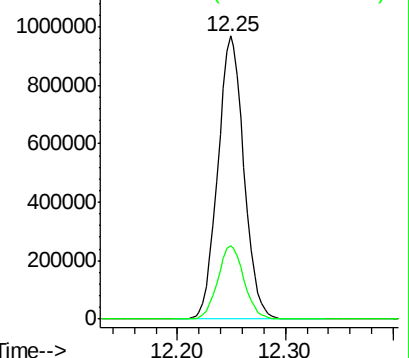
105 100

120 26.2 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.446 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Tgt Ion: 43 Resp: 457132

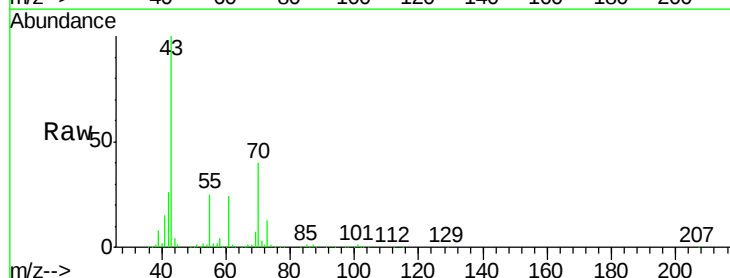
Ion Ratio Lower Upper

43 100

70 40.8 37.4 56.2

55 25.5 21.4 32.0

61 23.9 20.9 31.3

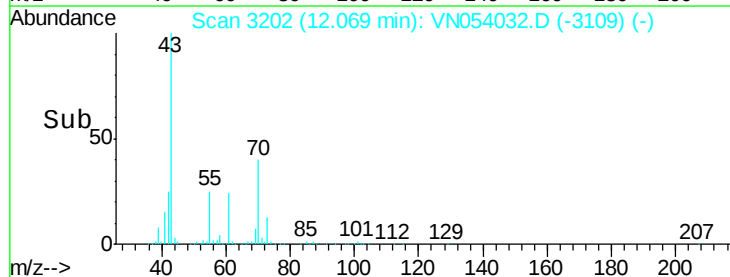
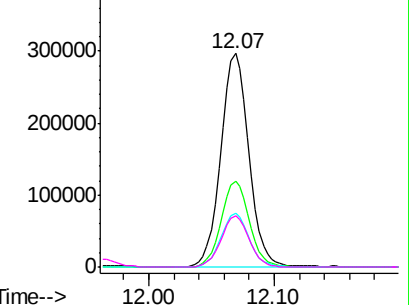


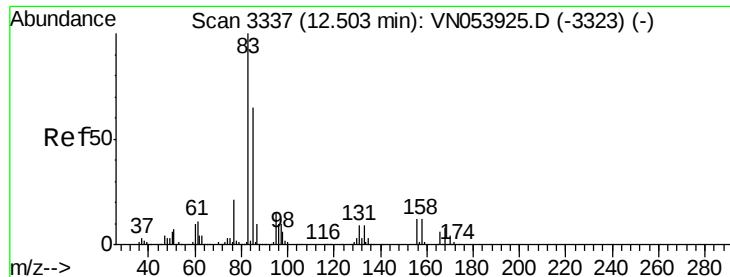
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.212 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

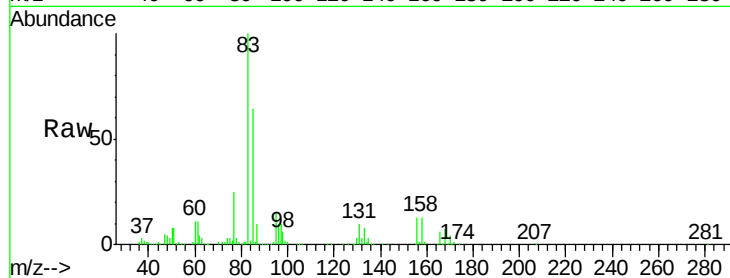
Tot Ion: 83 Resp: 384308

Ion Ratio Lower Upper

83 100

131 10.0 5.3 16.1

85 64.7 31.9 95.9

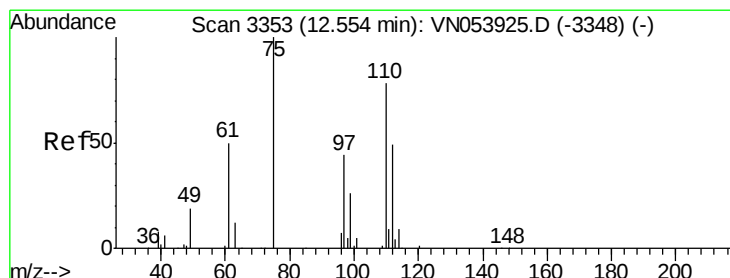
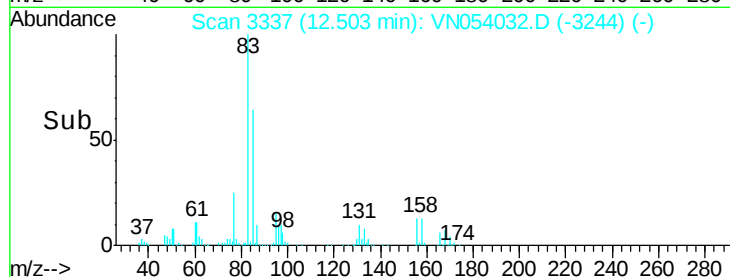


Abundance Ion 82.90 (82.60 to 83.60): VN054032.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054032.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054032.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 71.437 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054032.D

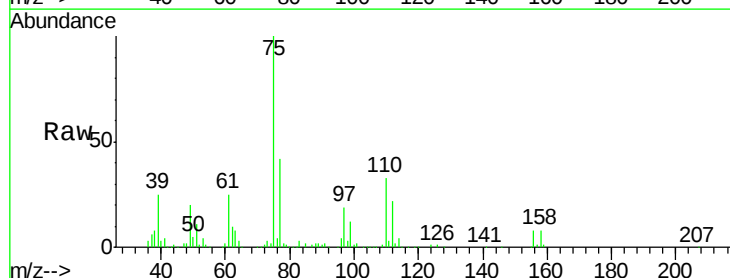
Acq: 1 Mar 2019 16:27

Tgt Ion: 75 Resp: 489580

Ion Ratio Lower Upper

75 100

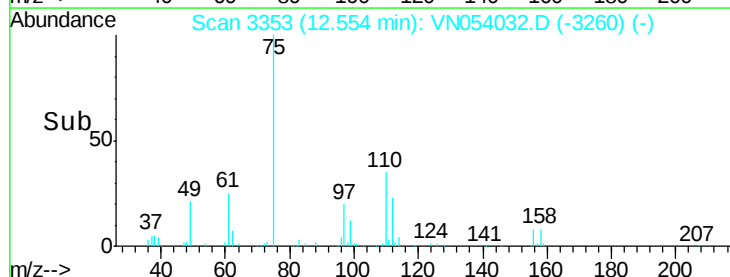
77 0.0 0.0 0.0

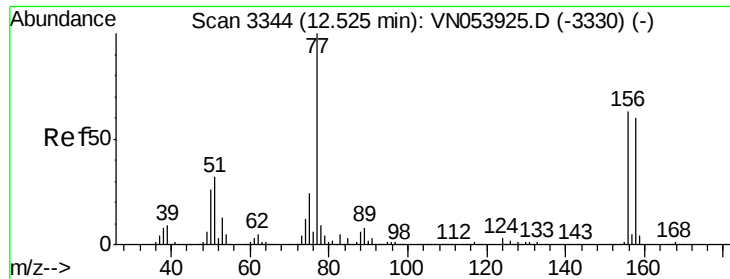


Abundance Ion 74.90 (74.60 to 75.60): VN054032.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054032.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 47.689 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

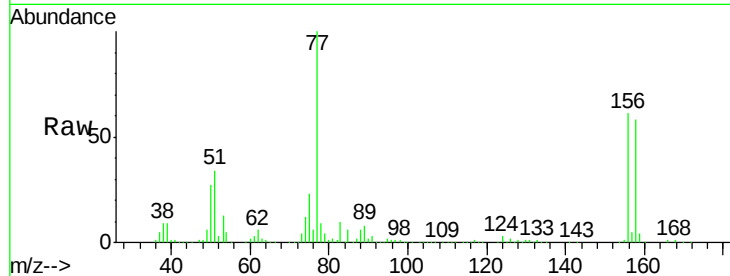
Tot Ion:156 Resp: 402659

Ion Ratio Lower Upper

156 100

77 190.9 84.0 252.2

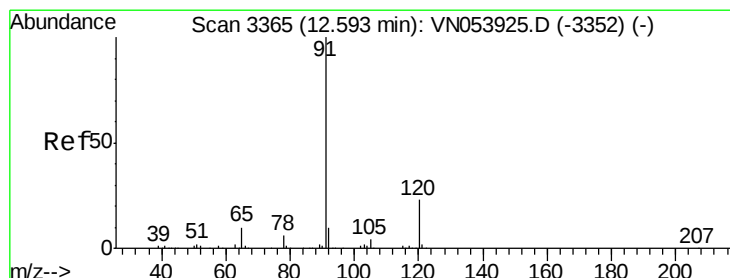
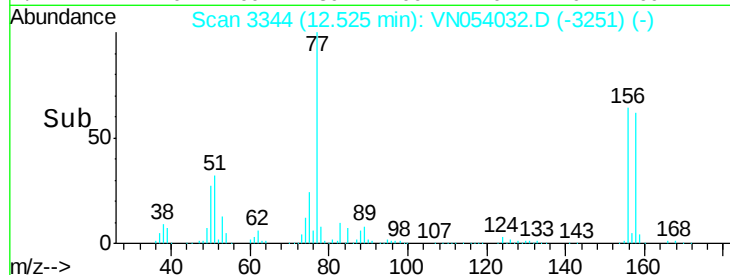
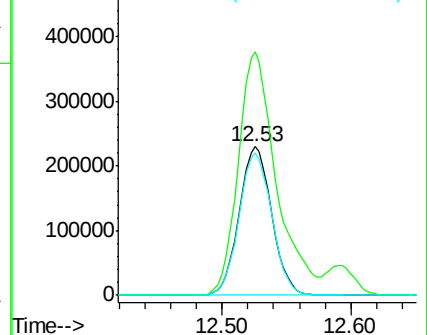
158 97.0 48.5 145.6



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: 51.259 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054032.D

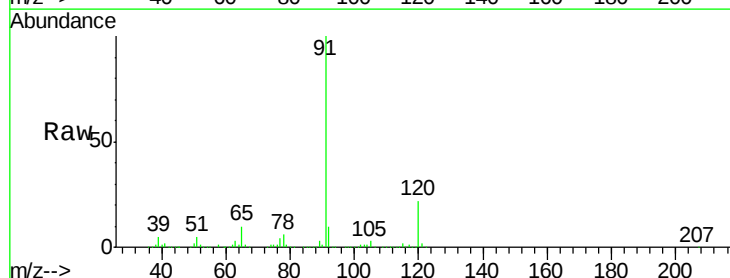
Acq: 1 Mar 2019 16:27

Tgt Ion: 91 Resp: 1938675

Ion Ratio Lower Upper

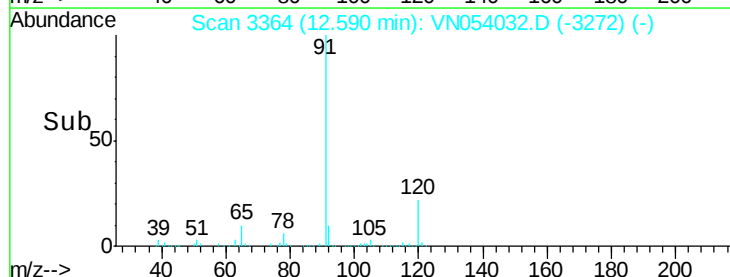
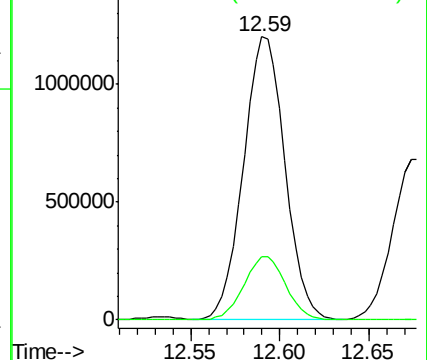
91 100

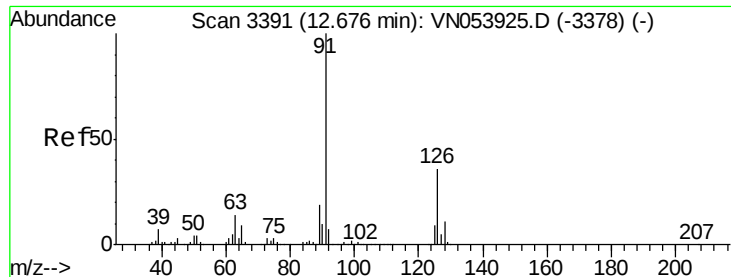
120 22.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.726 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

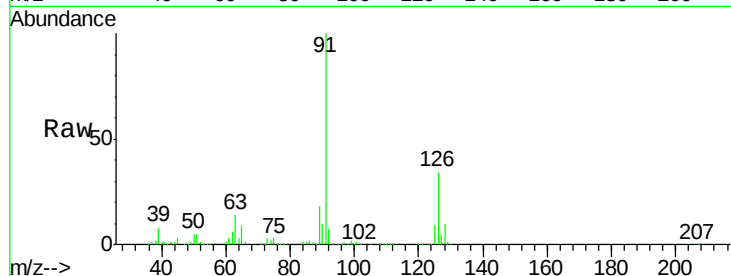
VSTDCCC050

Tot Ion: 91 Resp: 1129772

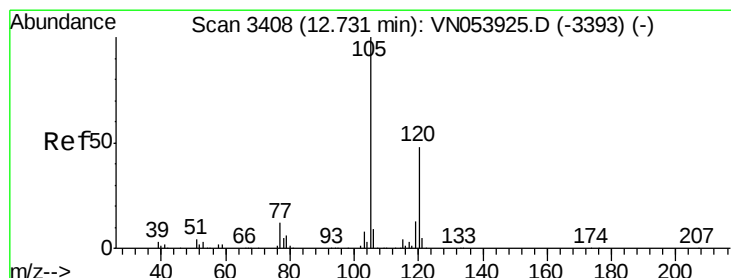
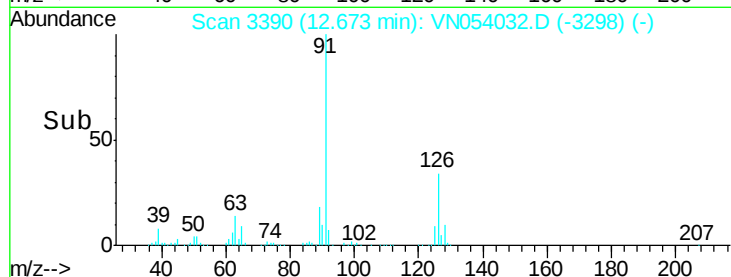
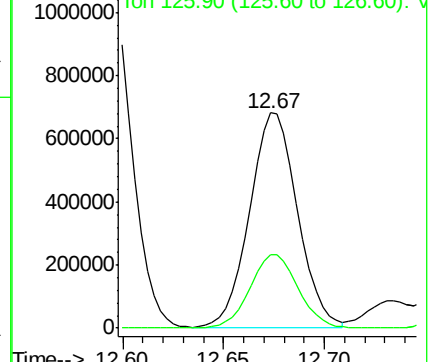
Ion Ratio Lower Upper

91 100

126 34.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN054032.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.508 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054032.D

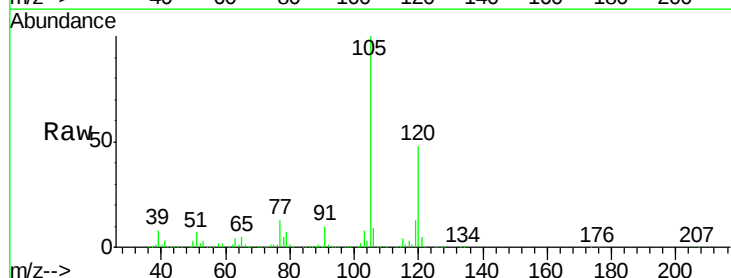
Acq: 1 Mar 2019 16:27

Tgt Ion:105 Resp: 1375114

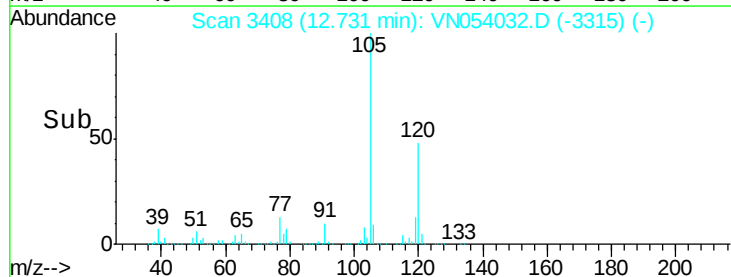
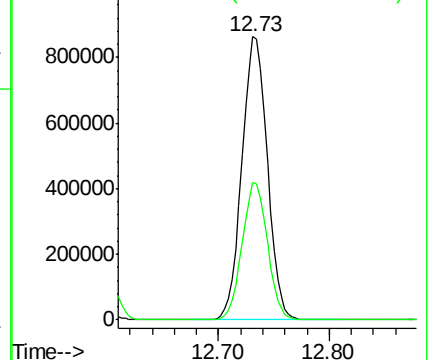
Ion Ratio Lower Upper

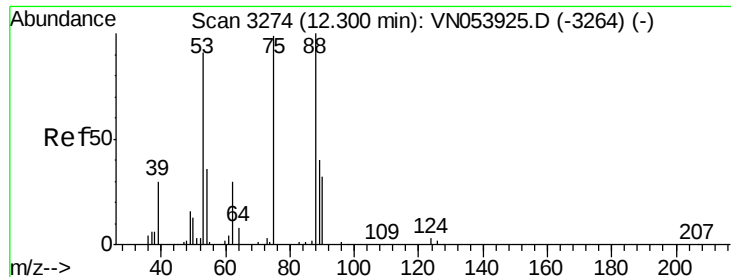
105 100

120 48.4 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN054032.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.634 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

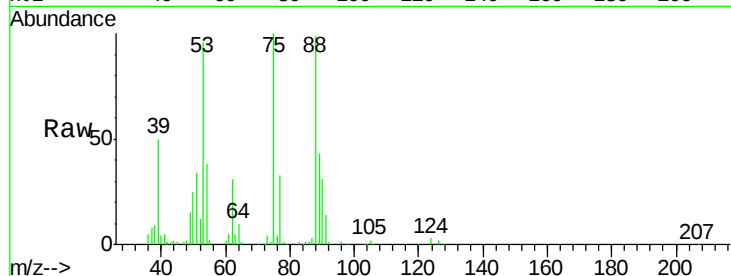
Tot Ion: 75 Resp: 105456

Ion Ratio Lower Upper

75 100

53 97.6 68.6 102.8

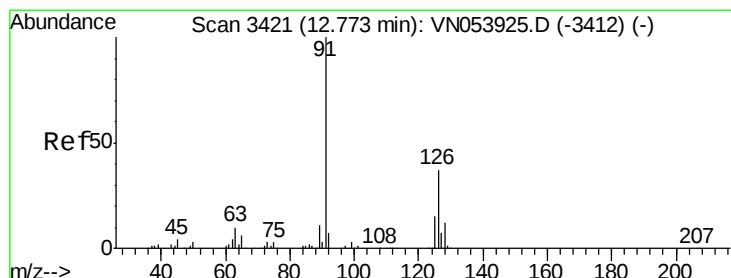
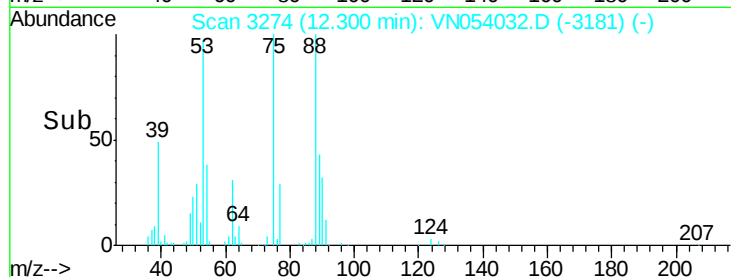
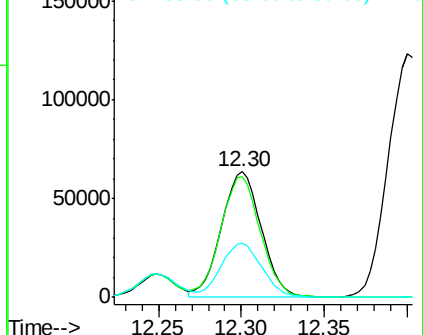
89 44.6 35.3 52.9



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: 50.837 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054032.D

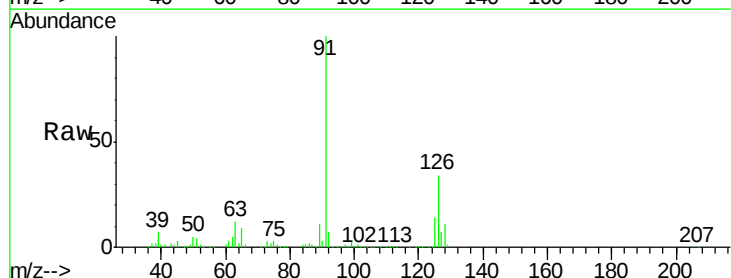
Acq: 1 Mar 2019 16:27

Tgt Ion: 91 Resp: 1141532

Ion Ratio Lower Upper

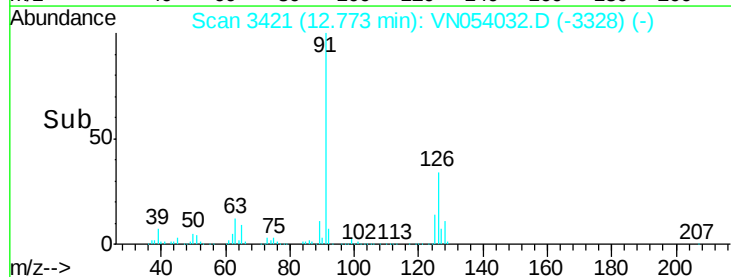
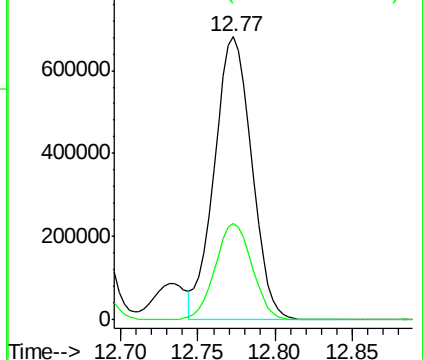
91 100

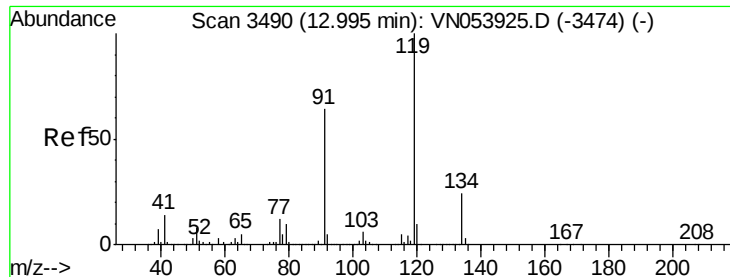
126 33.7 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

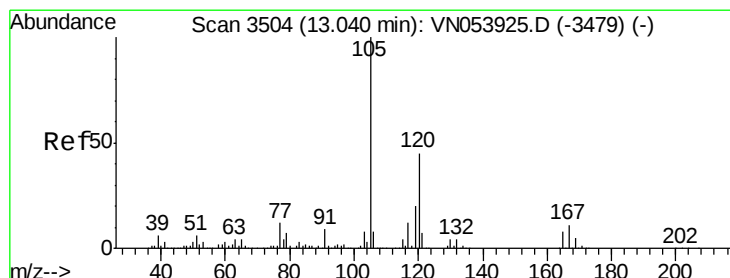
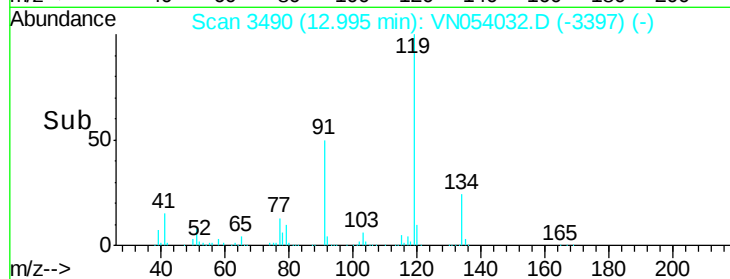
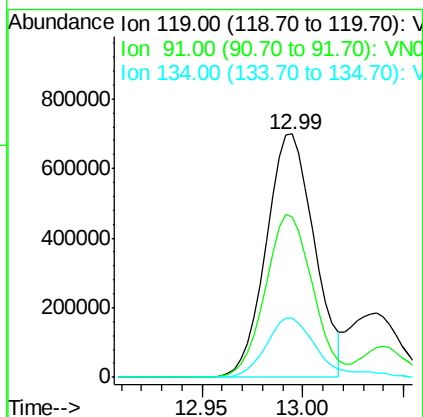
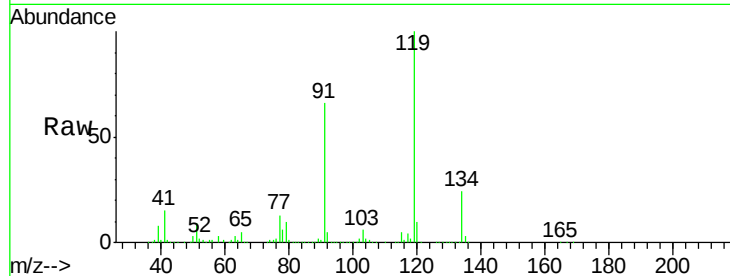




#83
 tert-Butylbenzene
 Concen: 48.037 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

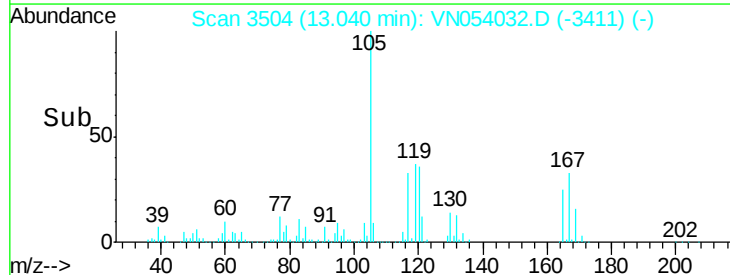
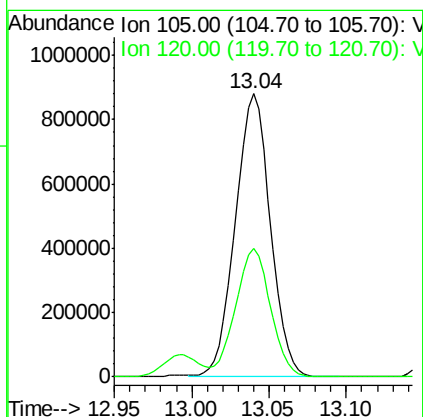
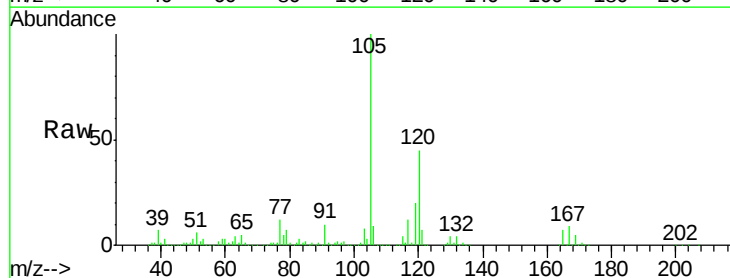
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

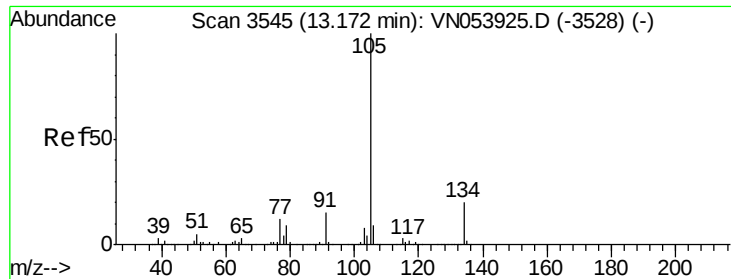
Tot Ion:119 Resp: 1156703
 Ion Ratio Lower Upper
 119 100
 91 65.5 30.6 91.8
 134 26.2 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.835 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion:105 Resp: 1381722
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.2 69.5





#85

sec-Butylbenzene

Concen: 49.053 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

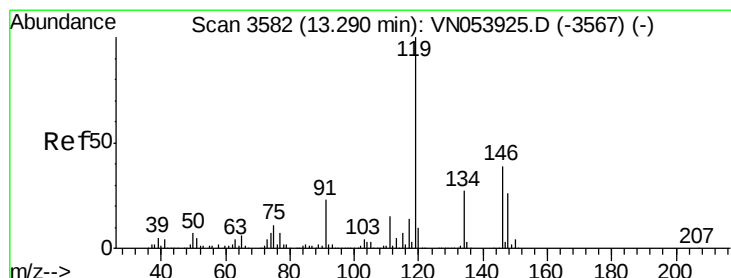
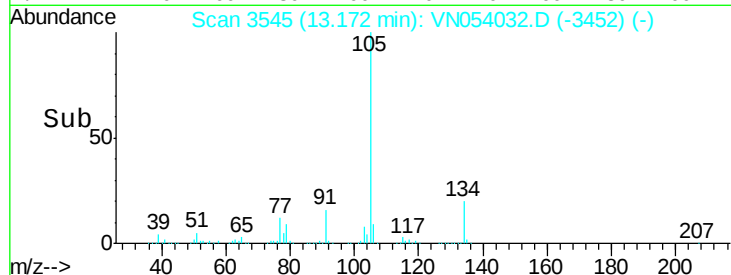
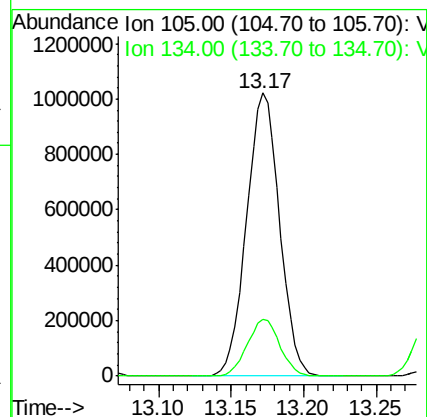
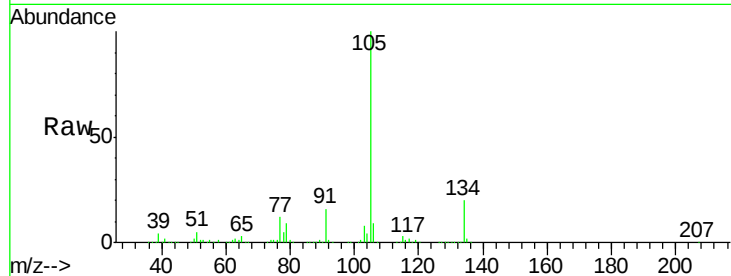
VSTDCCC050

Tot Ion:105 Resp: 1613266

Ion Ratio Lower Upper

105 100

134 19.9 10.4 31.1



#86

p-Isopropyltoluene

Concen: 50.275 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

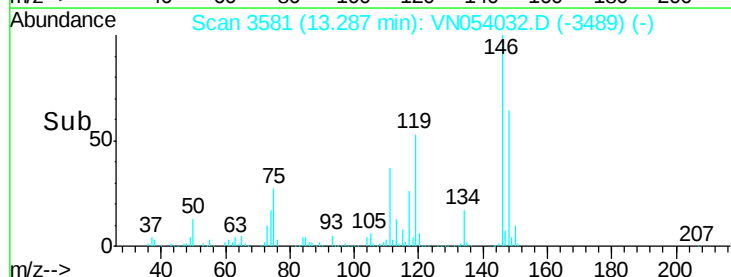
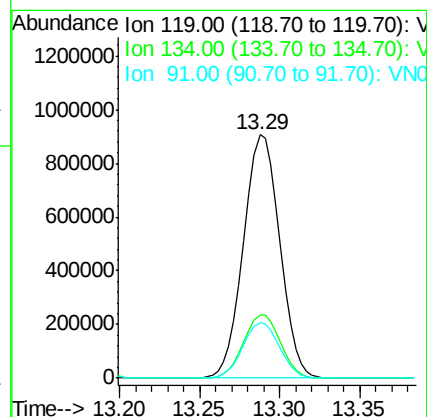
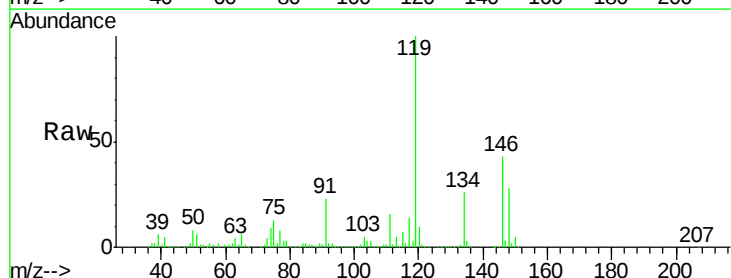
Tgt Ion:119 Resp: 1397810

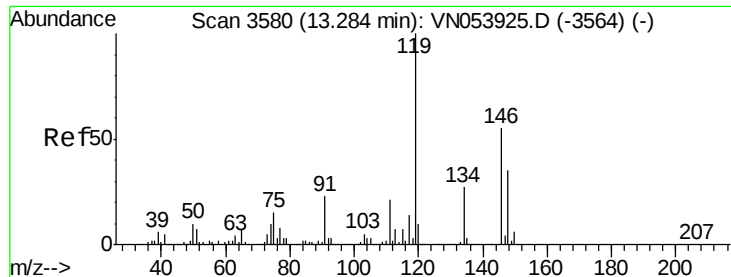
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 23.0 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 49.515 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

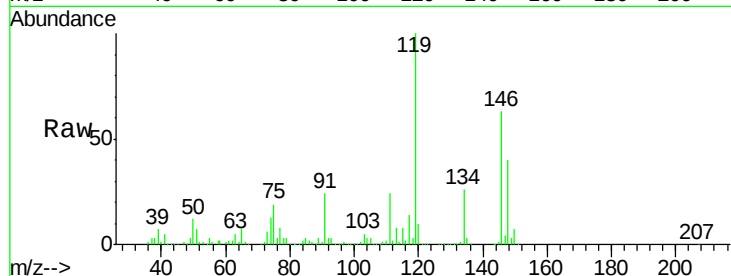
Tot Ion:146 Resp: 723241

Ion Ratio Lower Upper

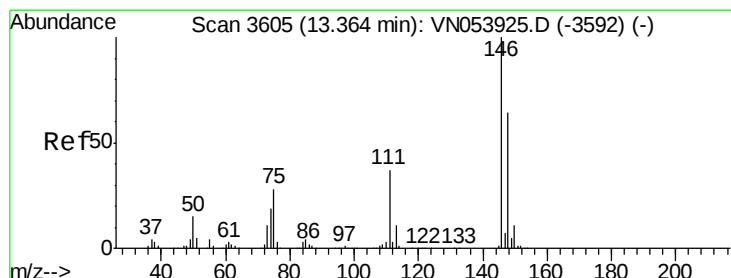
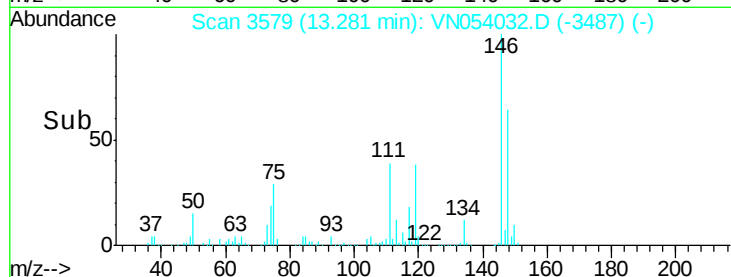
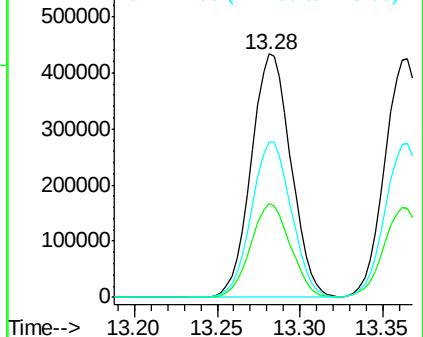
146 100

111 38.3 18.7 56.1

148 64.0 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 49.864 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

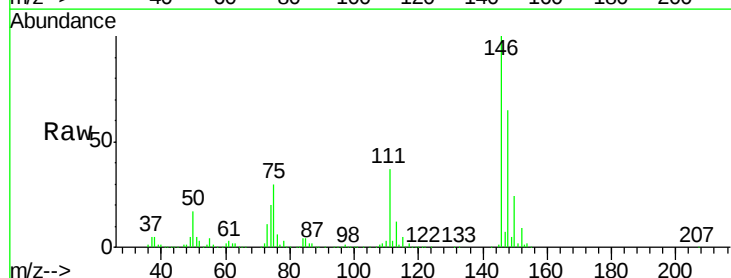
Tgt Ion:146 Resp: 706615

Ion Ratio Lower Upper

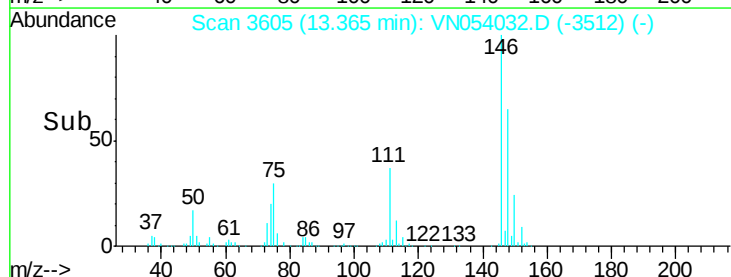
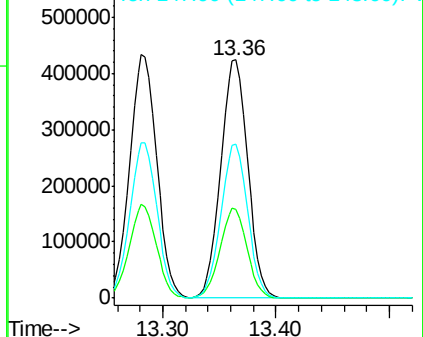
146 100

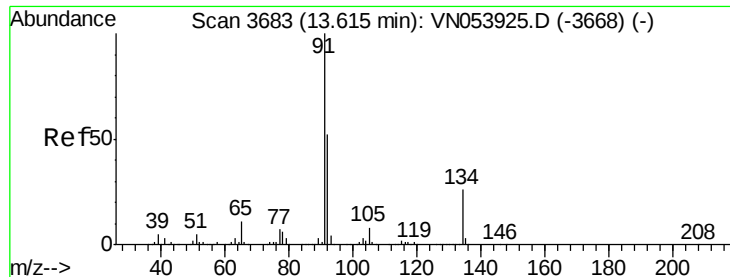
111 37.5 18.0 54.0

148 63.7 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

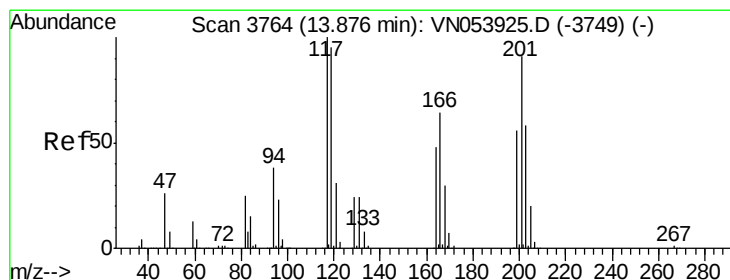
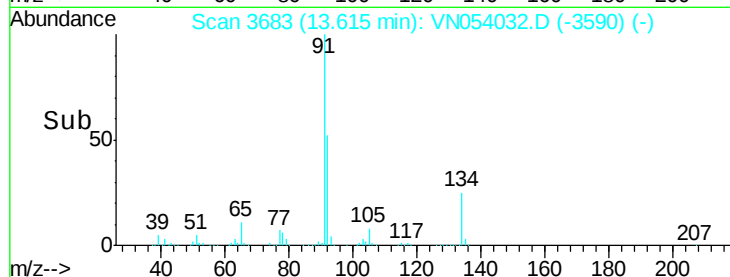
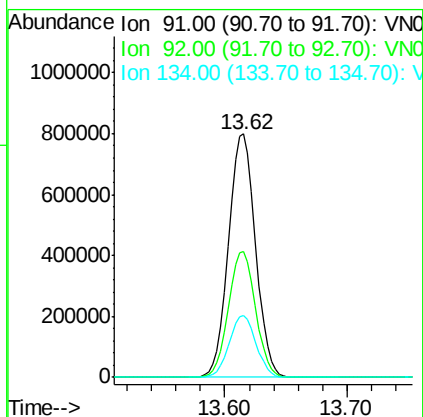
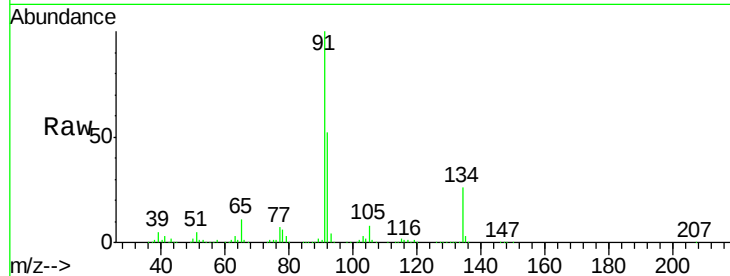




#89
n-Butylbenzene
Concen: 52.765 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

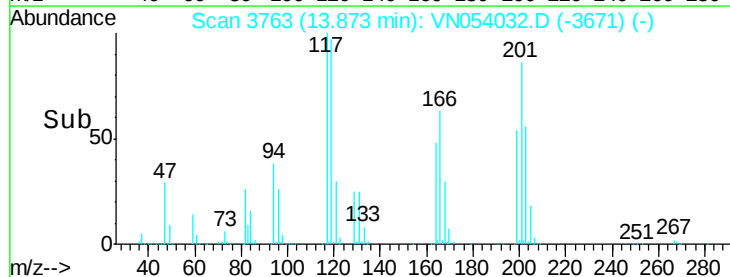
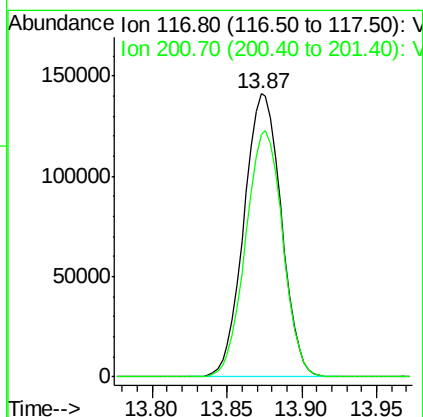
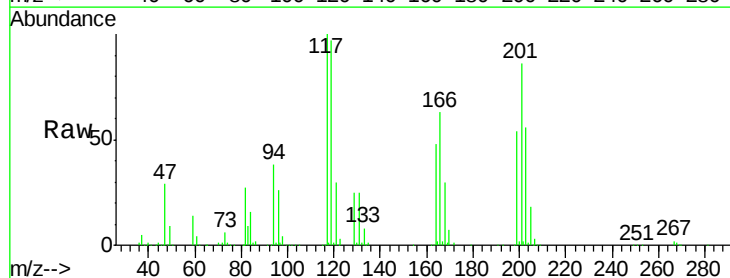
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

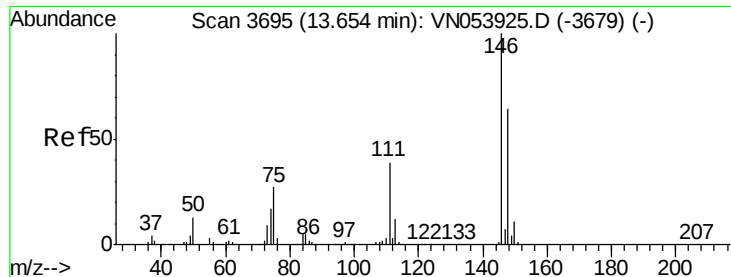
Tot Ion: 91 Resp: 1236365
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 25.3 13.6 40.8



#90
Hexachloroethane
Concen: 45.590 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054032.D
Acq: 1 Mar 2019 16:27

Tgt Ion: 117 Resp: 245625
Ion Ratio Lower Upper
117 100
201 86.2 48.0 144.2

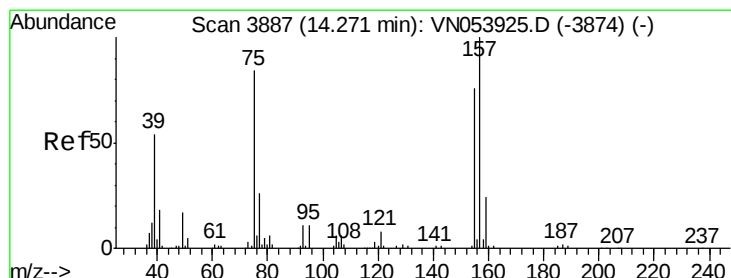
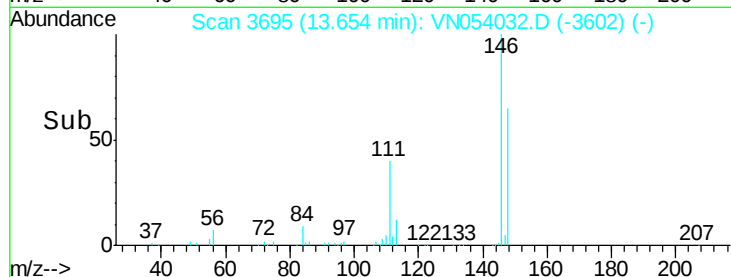
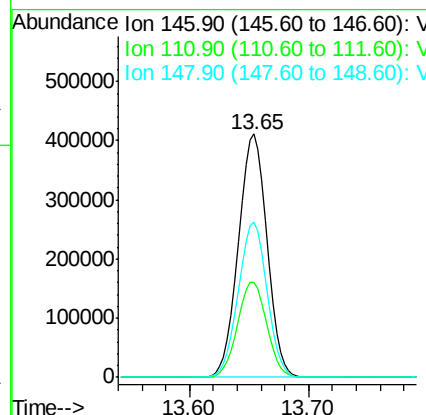
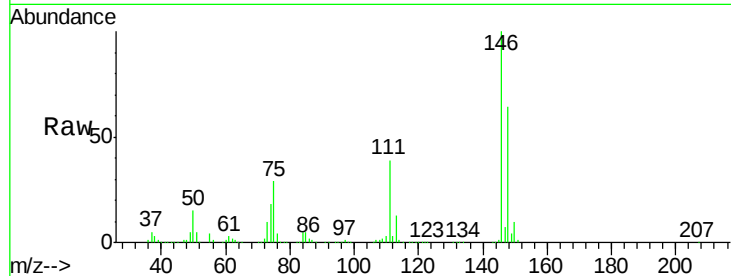




#91
 1,2-Dichlorobenzene
 Concen: 48.596 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

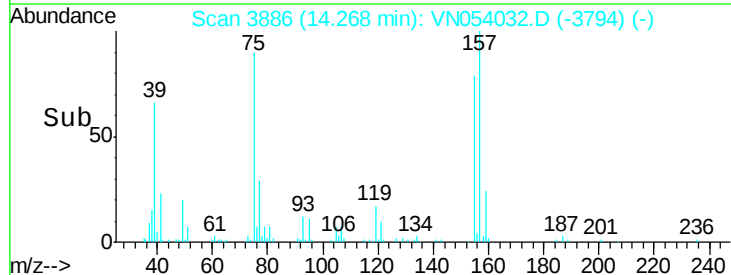
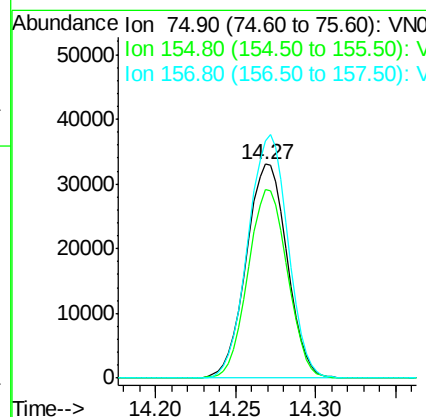
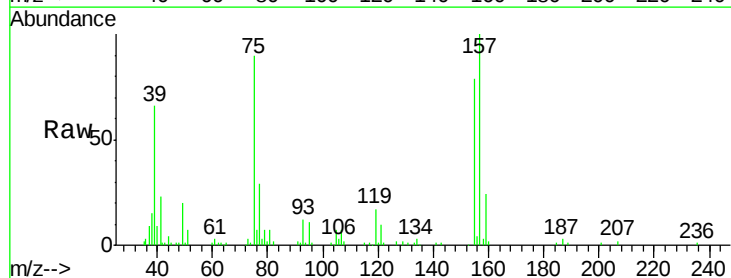
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

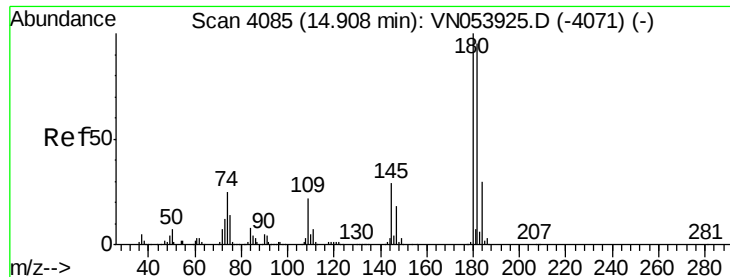
Tot Ion:146 Resp: 687109
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.1 57.5
 148 64.0 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.043 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion: 75 Resp: 57636
 Ion Ratio Lower Upper
 75 100
 155 85.0 49.5 148.5
 157 111.2 64.8 194.6

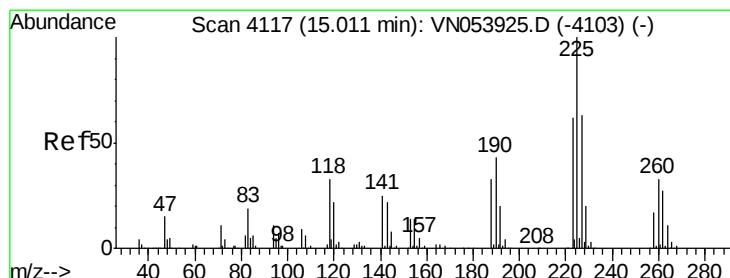
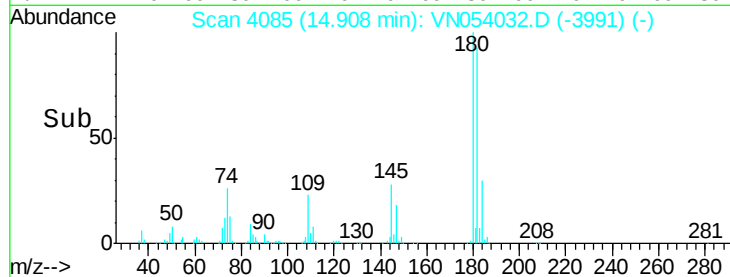
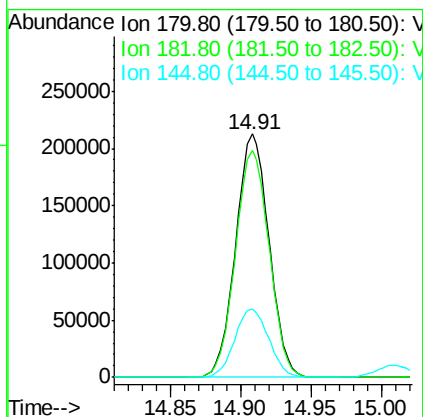
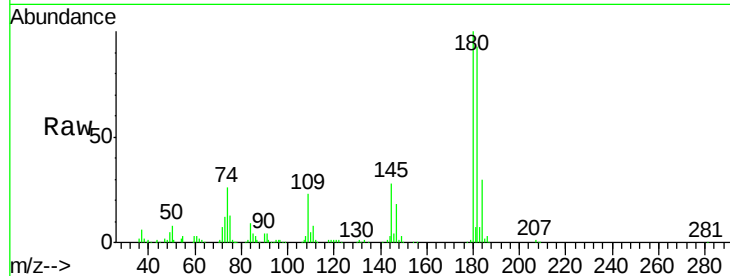




#93
 1,2,4-Trichlorobenzene
 Concen: 45.161 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

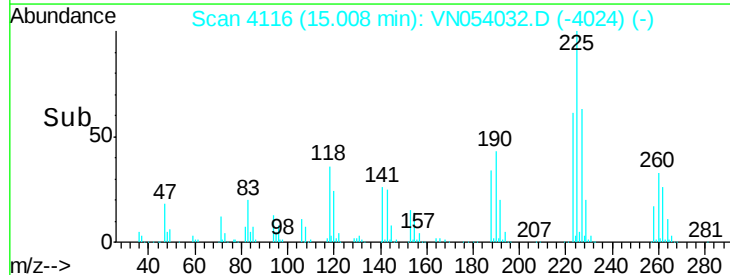
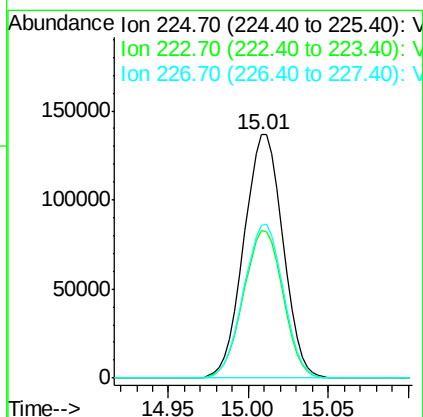
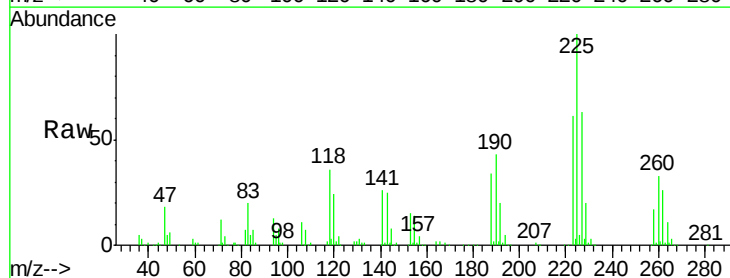
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

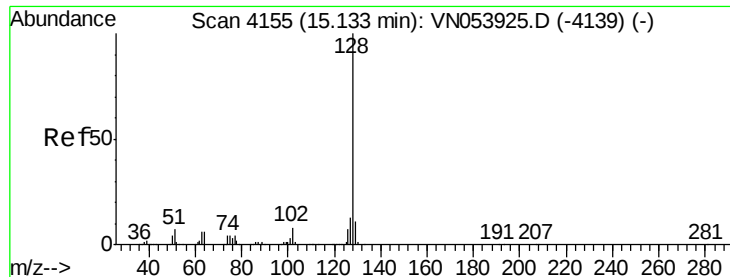
Tot Ion:180 Resp: 352861
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.6 145.9
 145 28.8 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 44.861 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054032.D
 Acq: 1 Mar 2019 16:27

Tgt Ion:225 Resp: 229123
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.9 92.5
 227 64.1 32.5 97.4





#95

Naphthalene

Concen: 41.967 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

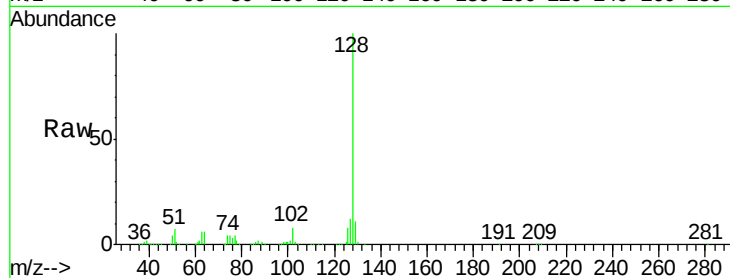
Tot Ion:128 Resp: 700565

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

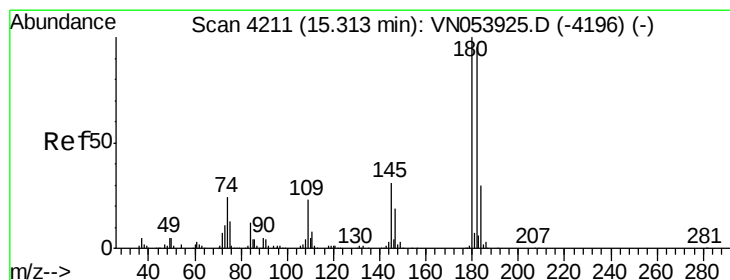
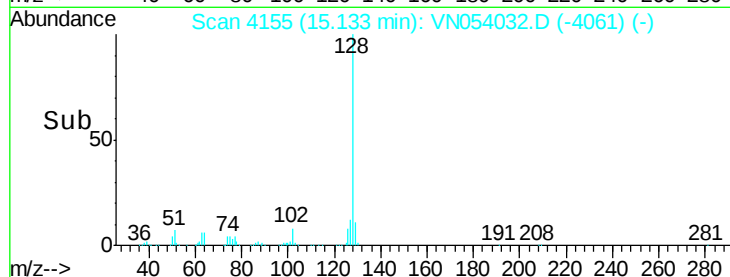
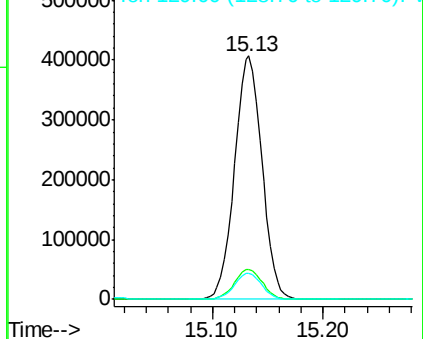
129 10.7 8.6 12.8



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: 43.815 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054032.D

Acq: 1 Mar 2019 16:27

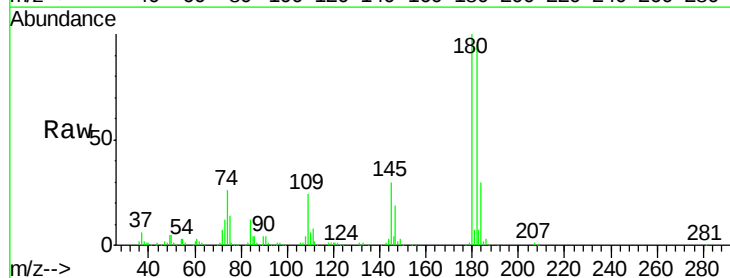
Tgt Ion:180 Resp: 328524

Ion Ratio Lower Upper

180 100

182 95.7 47.3 141.8

145 30.9 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

