

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054108.D
 Acq On : 5 Mar 2019 19:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 06 02:24:56 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	7.67	168	656839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1050541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	920004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	416825	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	381970	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	7.59	113	338319	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.09	98	1259934	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.40	95	423849	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	272234	45.034	ug/l	100
3) Chloromethane	2.06	50	390076	46.521	ug/l	99
4) Vinyl Chloride	2.19	62	393504	46.838	ug/l	99
5) Bromomethane	2.57	94	180302	32.405	ug/l	100
6) Chloroethane	2.71	64	240742	46.075	ug/l	99
7) Trichlorofluoromethane	3.02	101	502878	46.854	ug/l	98
8) Diethyl Ether	3.41	74	202647	50.395	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	317381	46.821	ug/l	95
10) Methyl Iodide	3.95	142	298103	33.468	ug/l	98
11) Tert butyl alcohol	4.78	59	127833	261.894	ug/l	99
12) 1,1-Dichloroethene	3.74	96	304351	46.939	ug/l	93
13) Acrolein	3.61	56	87112	172.376	ug/l	99
14) Allyl chloride	4.32	41	575211	50.580	ug/l	96
15) Acrylonitrile	4.98	53	669725	260.332	ug/l	99
16) Acetone	3.81	43	484432	237.050	ug/l	98
17) Carbon Disulfide	4.05	76	885459	42.331	ug/l	98
18) Methyl Acetate	4.32	43	304905	56.633	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	906315	52.105	ug/l	98
20) Methylene Chloride	4.55	84	364324	47.808	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	334164	47.616	ug/l	93
22) Diisopropyl ether	5.95	45	1151354	52.478	ug/l	95
23) Vinyl Acetate	5.89	43	4113488	260.627	ug/l	96
24) 1,1-Dichloroethane	5.85	63	664330	49.377	ug/l	98
25) 2-Butanone	6.83	43	764834	252.984	ug/l	96
26) 2,2-Dichloropropane	6.82	77	458715	47.989	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	387414	49.638	ug/l	94
28) Bromochloromethane	7.19	49	319930	51.950	ug/l	82
29) Tetrahydrofuran	7.21	42	522953	259.752	ug/l	92
30) Chloroform	7.37	83	636050	48.754	ug/l	98
31) Cyclohexane	7.65	56	601005	48.802	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	527506	49.039	ug/l	97
36) 1,1-Dichloropropene	7.79	75	486268	49.773	ug/l	97
37) Ethyl Acetate	6.93	43	332777	47.704	ug/l	97
38) Carbon Tetrachloride	7.77	117	457673	45.043	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	553271	46.985	ug/l	94
40) Benzene	8.04	78	1486073	49.515	ug/l	99
41) Methacrylonitrile	7.17	41	168952	37.613	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	464773	50.020	ug/l	97
43) Isopropyl Acetate	8.16	43	590859	50.165	ug/l #	90
44) Trichloroethene	8.84	130	383826	48.239	ug/l	97
45) 1,2-Dichloropropane	9.12	63	407957	50.382	ug/l	99
46) Dibromomethane	9.21	93	228877	48.688	ug/l	94
47) Bromodichloromethane	9.40	83	493266	49.790	ug/l	99
48) Methyl methacrylate	9.20	41	284733	52.556	ug/l	95
49) 1,4-Dioxane	9.20	88	79508	1083.535	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	1644818	271.760	ug/l	95
52) Toluene	10.16	92	887558	50.222	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	490993	50.936	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	578078	50.871	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	325758	49.357	ug/l	97
56) Ethyl methacrylate	10.43	69	415646	48.107	ug/l	91
57) 1,3-Dichloropropane	10.71	76	569391	51.059	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	925771	230.876	ug/l	95
59) 2-Hexanone	10.75	43	1034974	262.923	ug/l	95
60) Dibromochloromethane	10.90	129	360814	49.191	ug/l	99
61) 1,2-Dibromoethane	11.00	107	315241	49.514	ug/l	99
64) Tetrachloroethene	10.63	164	371021	47.625	ug/l	97
65) Chlorobenzene	11.43	112	941631	48.497	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	349273	49.912	ug/l	100
67) Ethyl Benzene	11.51	91	1628105	50.018	ug/l	100
68) m/p-Xylenes	11.62	106	1249015	101.668	ug/l	97
69) o-Xylene	11.95	106	606274	50.225	ug/l	97
70) Styrene	11.96	104	981625	52.870	ug/l	99
71) Bromoform	12.13	173	239410	49.178	ug/l #	99
73) Isopropylbenzene	12.25	105	1581034	48.727	ug/l	99
74) N-amyl acetate	12.07	43	457509	53.798	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	390652	48.146	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	485828	72.657	ug/l #	100
77) Bromobenzene	12.53	156	396557	48.137	ug/l	91
78) n-propylbenzene	12.59	91	1841725	49.910	ug/l	98
79) 2-Chlorotoluene	12.67	91	1089363	49.143	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1341250	50.493	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	102476	48.438	ug/l	91
82) 4-Chlorotoluene	12.77	91	1102358	50.317	ug/l	96
83) tert-Butylbenzene	12.99	119	1173267	49.940	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1356543	51.153	ug/l	99
85) sec-Butylbenzene	13.17	105	1560044	48.617	ug/l	98
86) p-Isopropyltoluene	13.29	119	1351752	49.831	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	690104	48.425	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	669638	48.433	ug/l	98
89) n-Butylbenzene	13.62	91	1137965	49.777	ug/l	99
90) Hexachloroethane	13.87	117	241319	45.908	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	688077	49.878	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60843	53.062	ug/l	85

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Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration

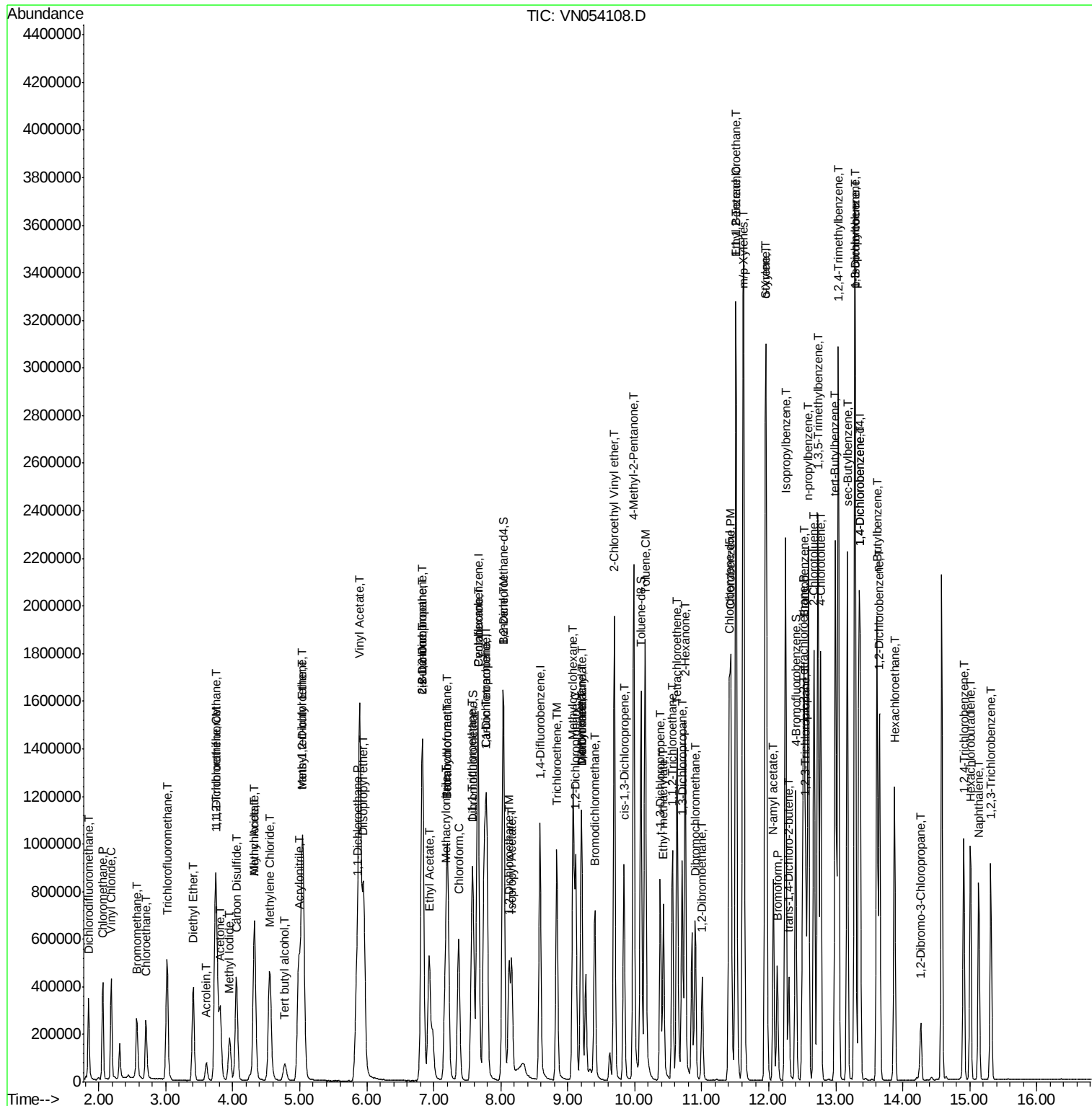
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	339640	44.583	ug/l	99
94) Hexachlorobutadiene	15.01	225	211315	42.406	ug/l	99
95) Naphthalene	15.13	128	714851	43.743	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	332654	45.413	ug/l	99

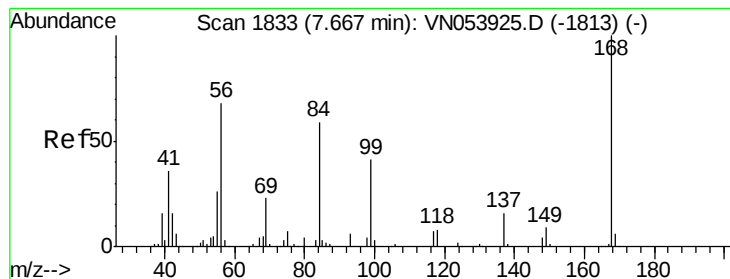
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

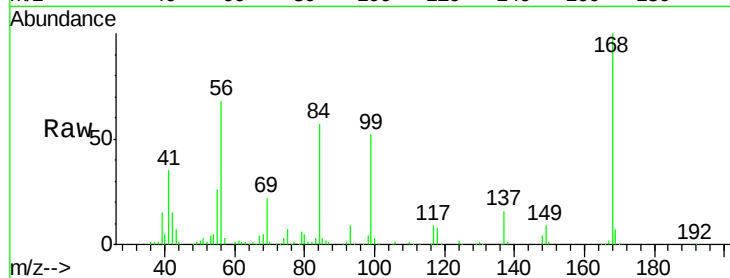
VSTDCCC050EC

Tot Ion:168 Resp: 656839

Ion Ratio Lower Upper

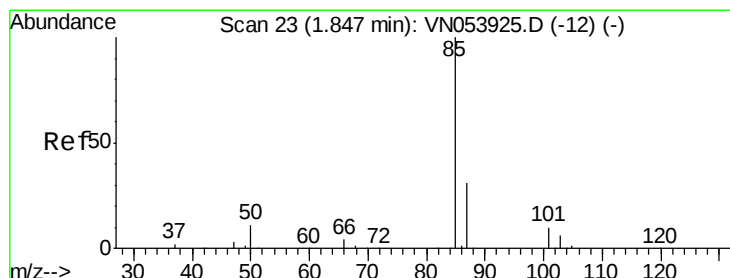
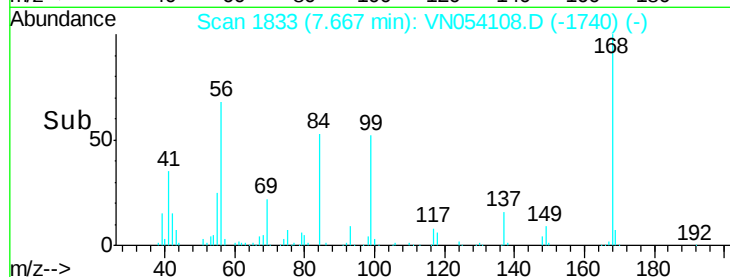
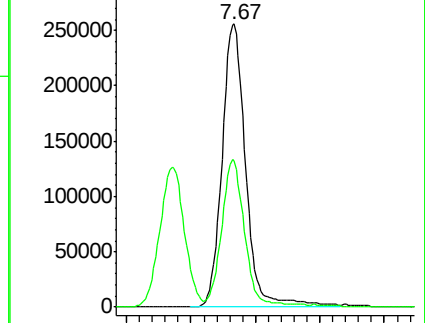
168 100

99 51.1 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: 45.034 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054108.D

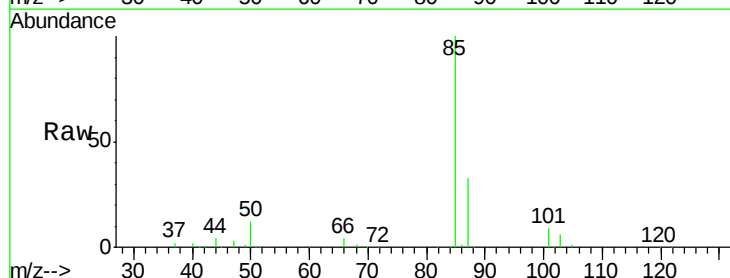
Acq: 5 Mar 2019 19:15

Tgt Ion: 85 Resp: 272234

Ion Ratio Lower Upper

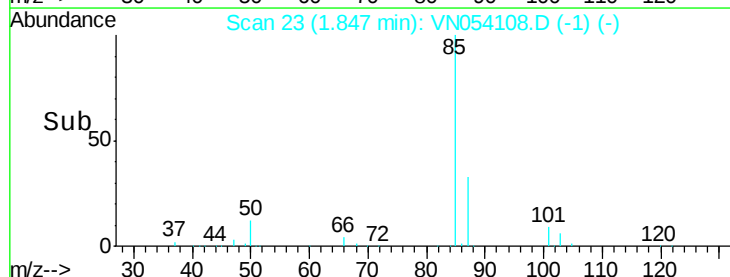
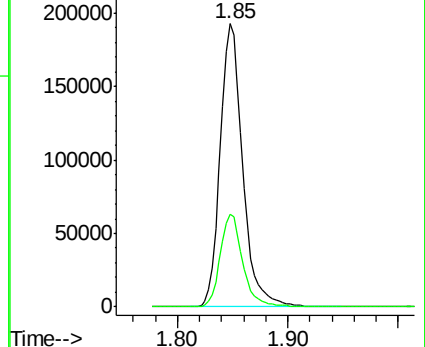
85 100

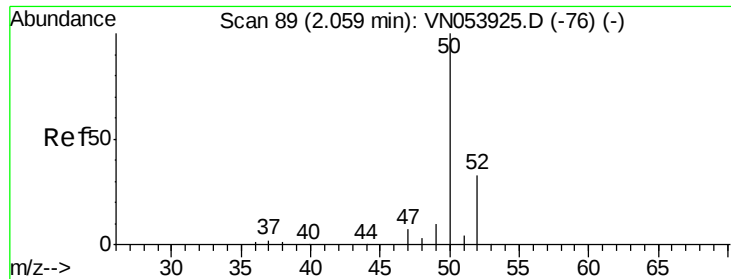
87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

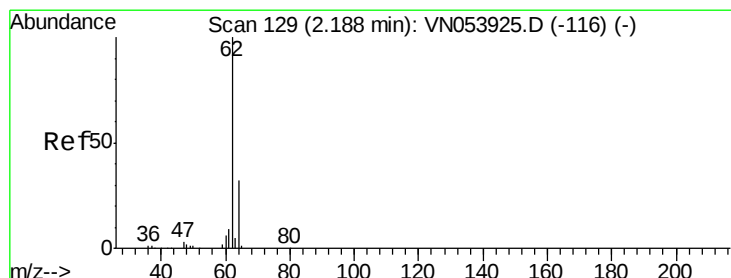
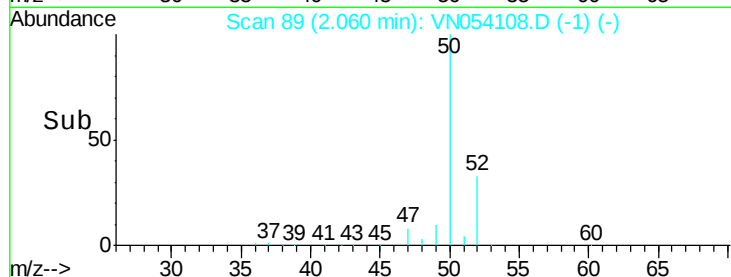
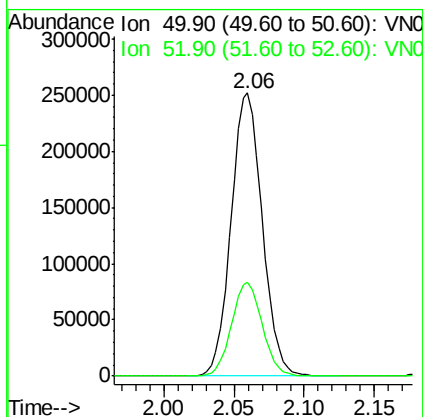
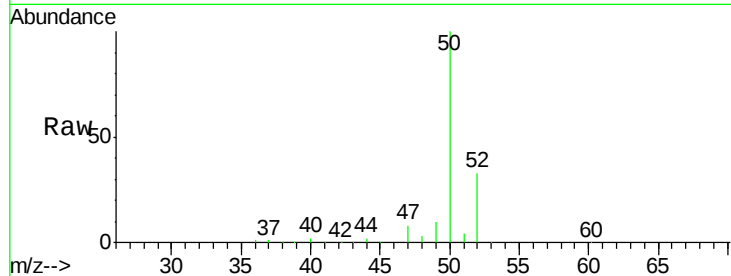




#3
 Chloromethane
 Concen: 46.521 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

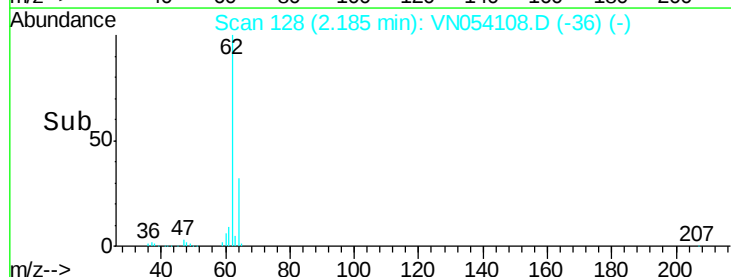
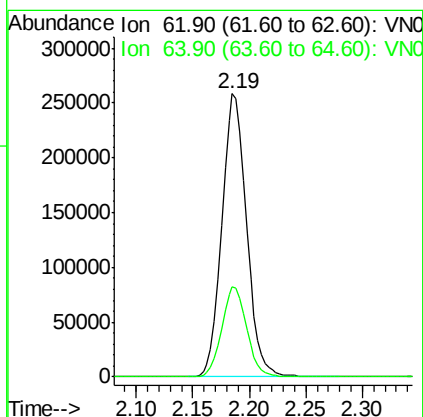
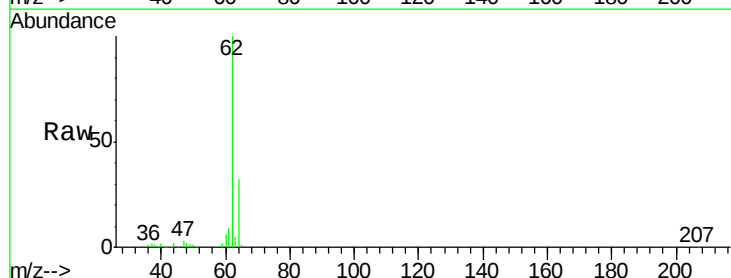
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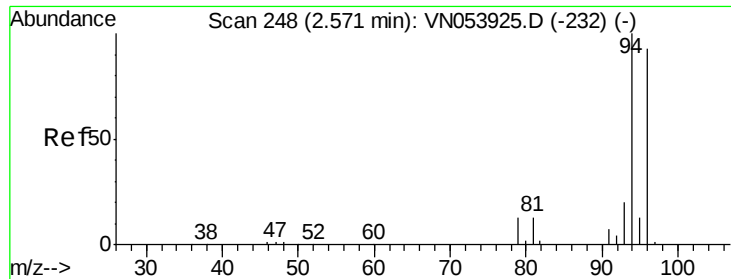
Tot Ion: 50 Resp: 390076
 Ion Ratio Lower Upper
 50 100
 52 33.1 26.0 39.0



#4
 Vinyl Chloride
 Concen: 46.838 ug/l
 RT: 2.19 min Scan# 128
 Delta R.T. -0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion: 62 Resp: 393504
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.1 37.7

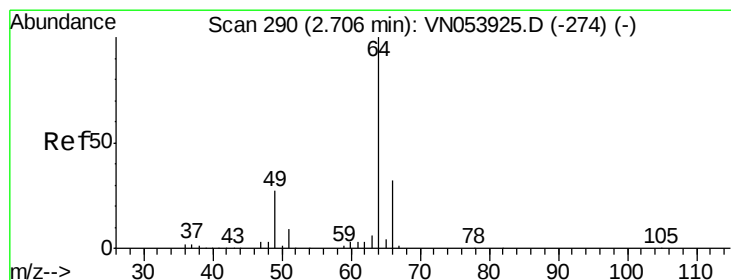
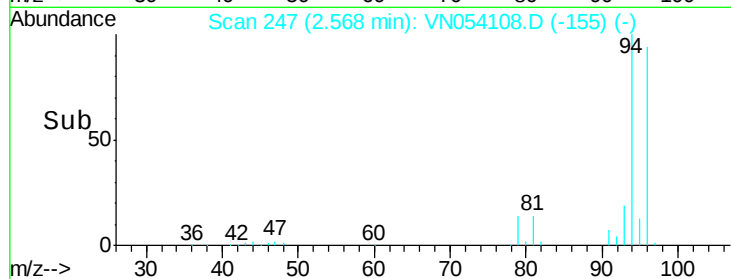
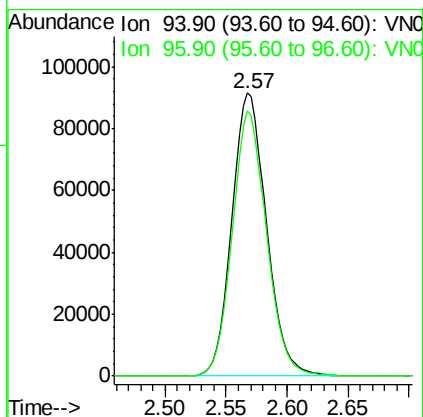
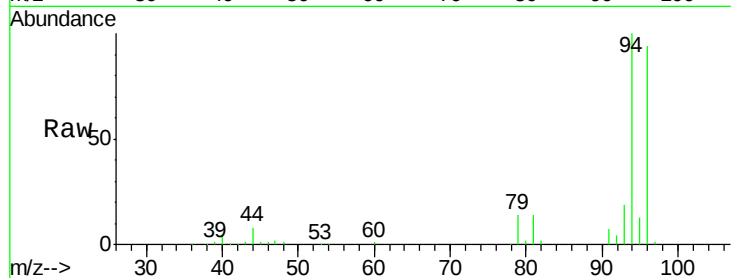




#5
Bromomethane
Concen: 32.405 ug/l
RT: 2.57 min Scan# 247
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

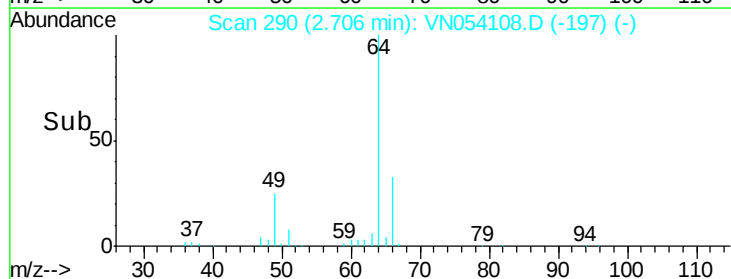
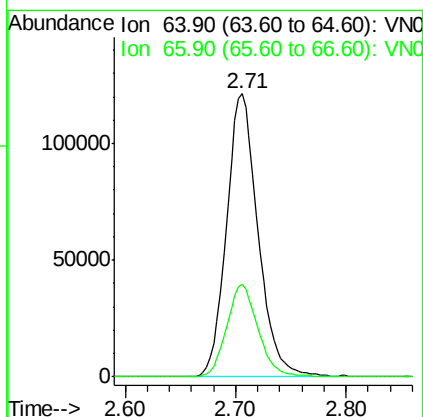
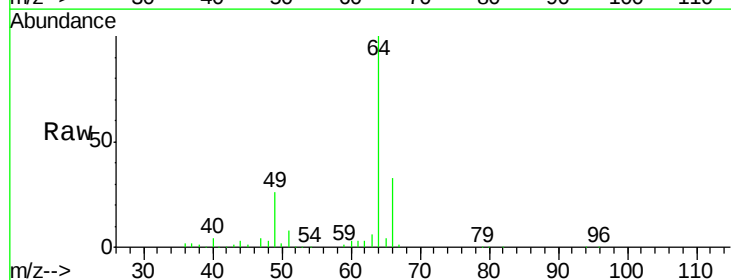
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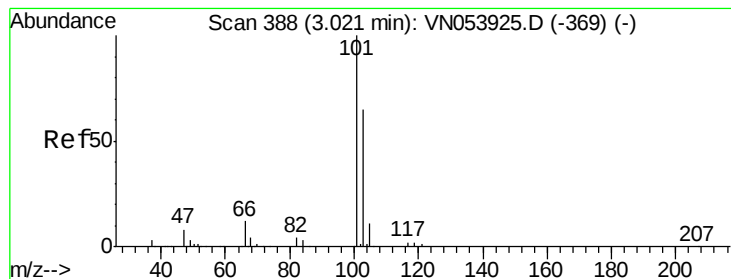
Tot Ion: 94 Resp: 180302
Ion Ratio Lower Upper
94 100
96 93.6 74.9 112.3



#6
Chloroethane
Concen: 46.075 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 64 Resp: 240742
Ion Ratio Lower Upper
64 100
66 32.6 25.5 38.3



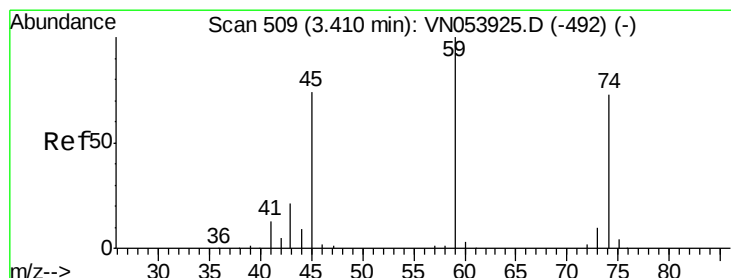
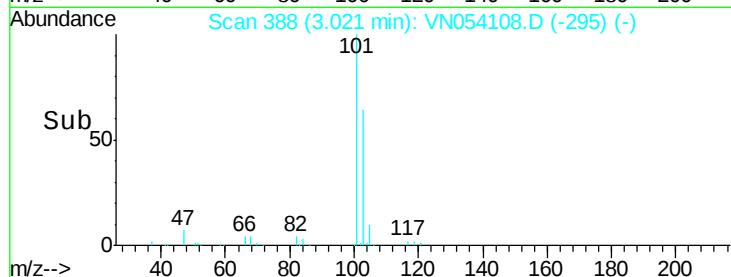
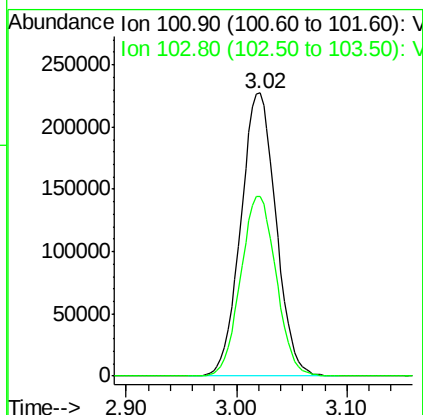
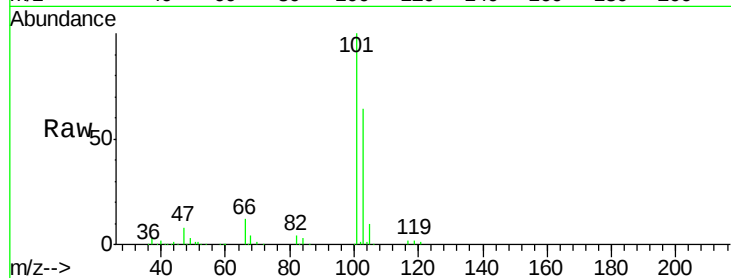


#7

Trichlorofluoromethane
 Concen: 46.854 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

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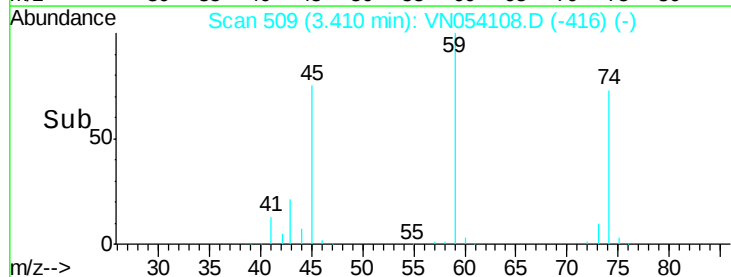
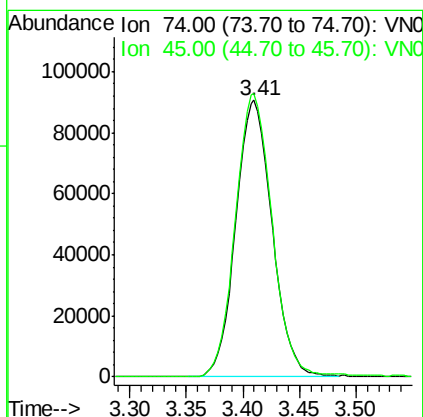
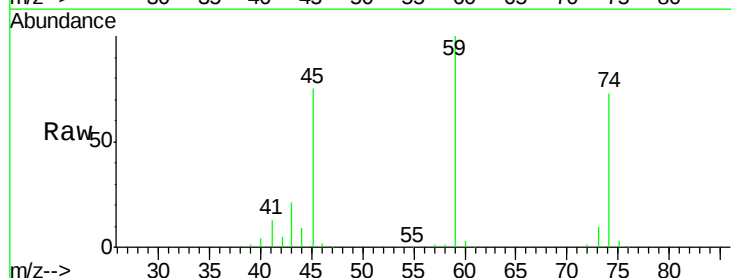
Tot Ion:101 Resp: 502878
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.9 77.9

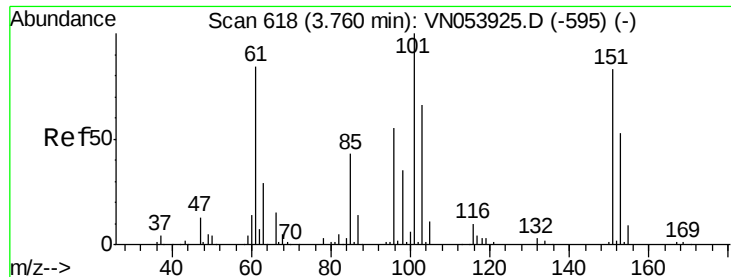


#8

Diethyl Ether
 Concen: 50.395 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion: 74 Resp: 202647
 Ion Ratio Lower Upper
 74 100
 45 102.9 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.821 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

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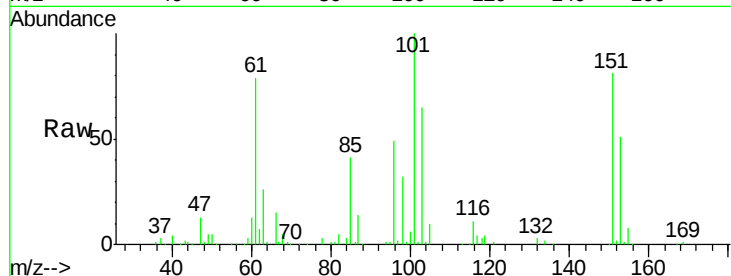
Tot Ion:101 Resp: 317381

Ion Ratio Lower Upper

101 100

85 41.8 32.5 48.7

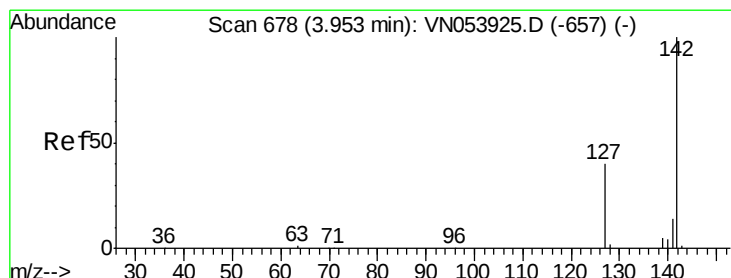
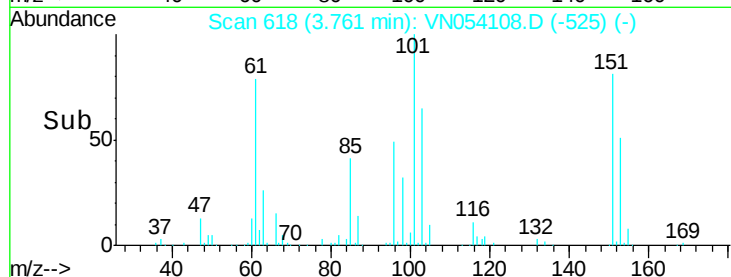
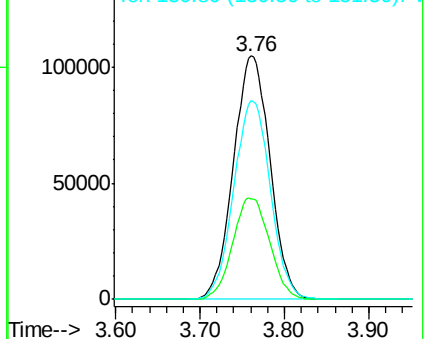
151 81.5 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 33.468 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

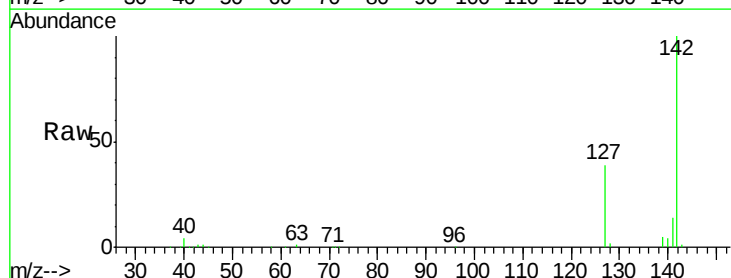
Tgt Ion:142 Resp: 298103

Ion Ratio Lower Upper

142 100

127 40.0 31.0 46.4

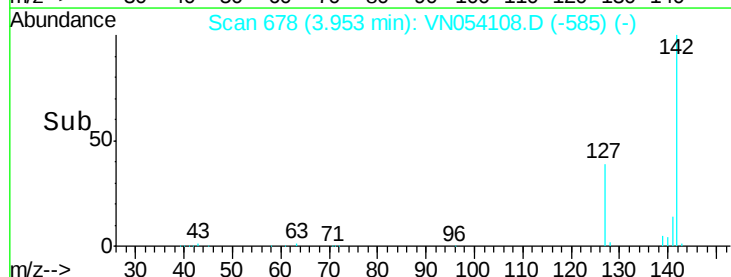
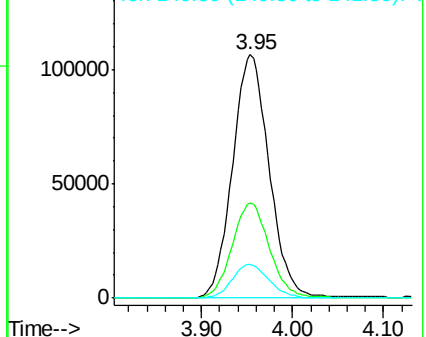
141 13.9 11.3 16.9

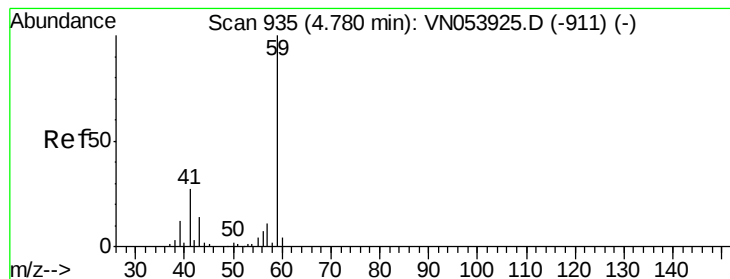


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



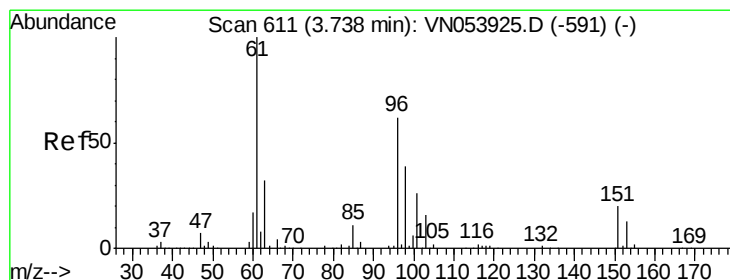
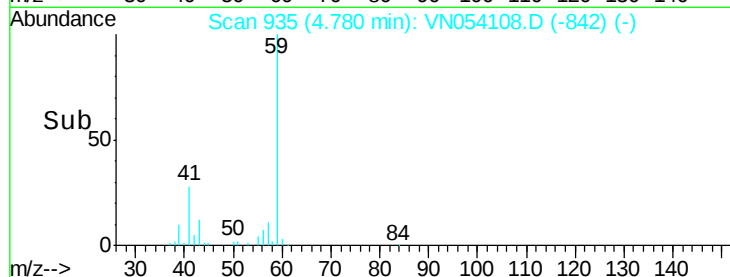
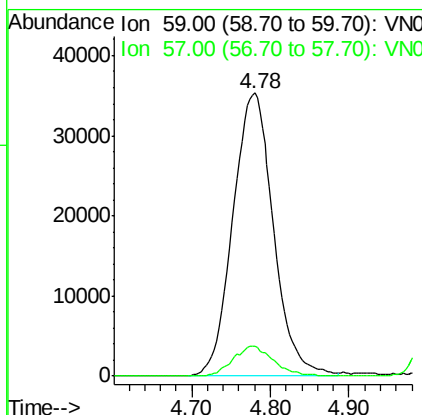
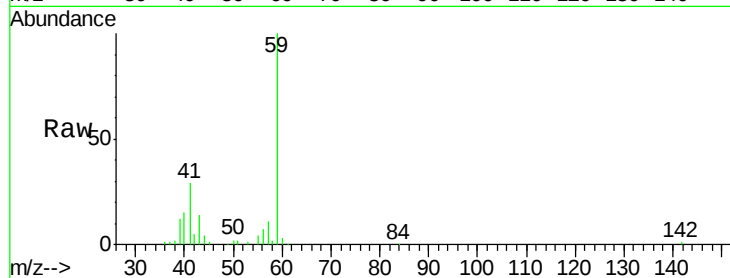


#11

Tert butyl alcohol
 Concen: 261.894 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

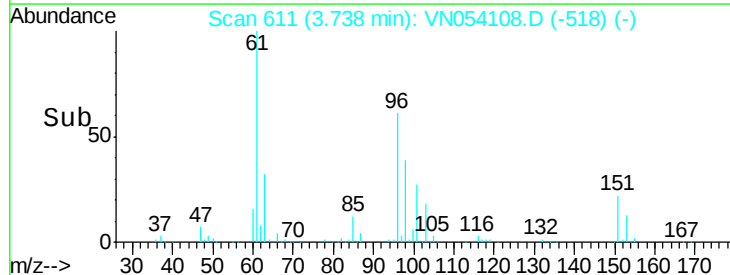
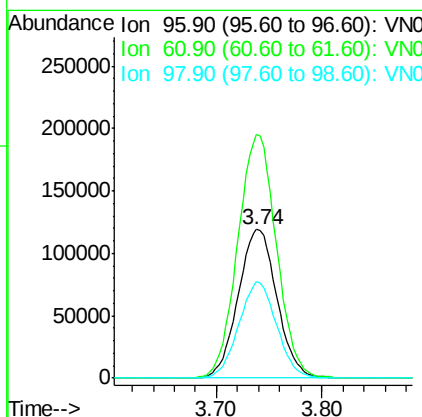
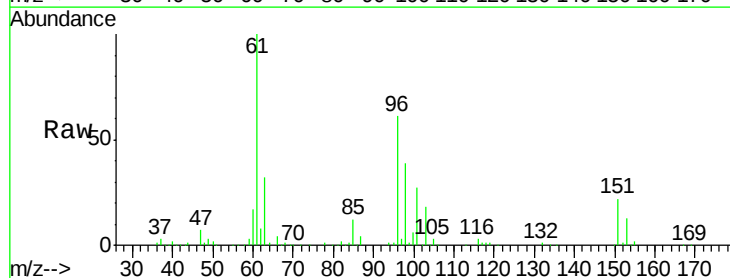
Tot Ion: 59 Resp: 127833
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.1 12.1

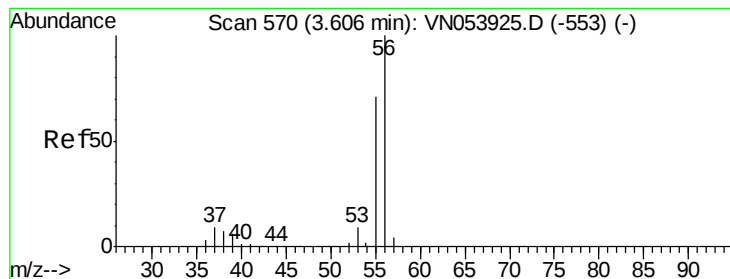


#12

1,1-Dichloroethene
 Concen: 46.939 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion: 96 Resp: 304351
 Ion Ratio Lower Upper
 96 100
 61 163.6 121.0 181.4
 98 64.4 52.2 78.2





#13

Acrolein

Concen: 172.376 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

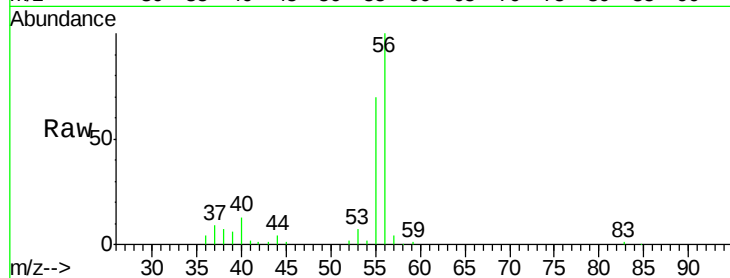
VSTDCCC050EC

Tot Ion: 56 Resp: 87112

Ion Ratio Lower Upper

56 100

55 71.1 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

30000

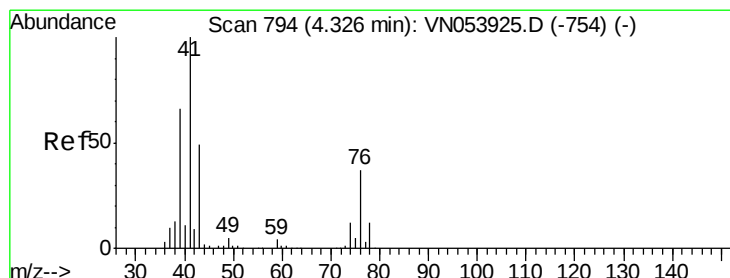
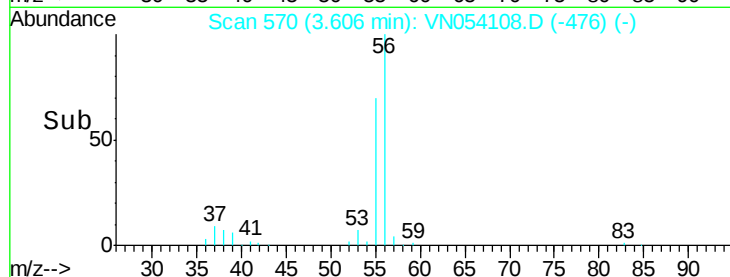
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 50.580 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

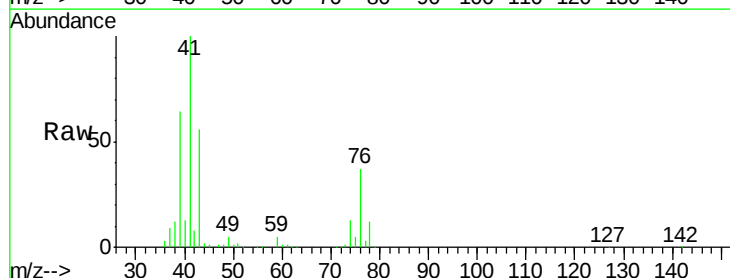
Tgt Ion: 41 Resp: 575211

Ion Ratio Lower Upper

41 100

39 61.4 48.8 73.2

76 33.5 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

4.32

250000

200000

150000

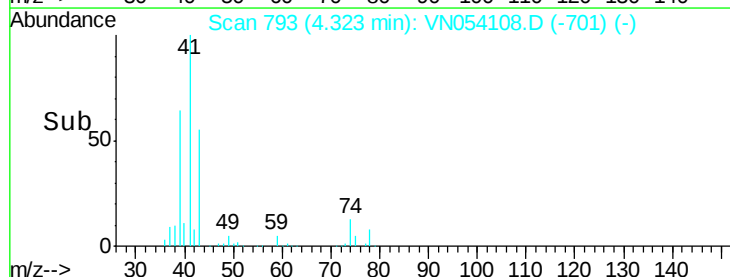
100000

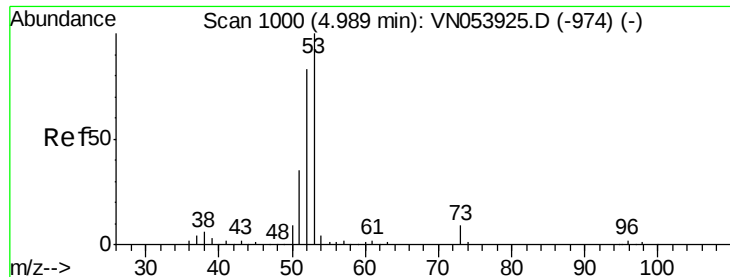
50000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 260.332 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

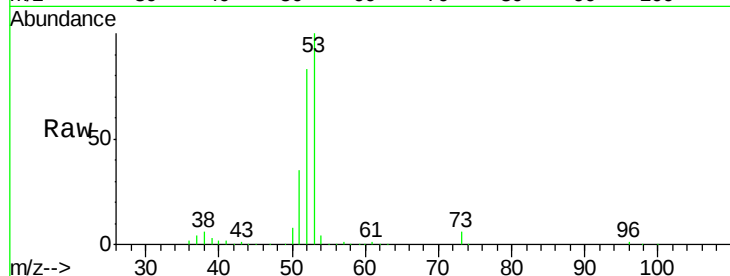
Tot Ion: 53 Resp: 669725

Ion Ratio Lower Upper

53 100

52 81.7 65.1 97.7

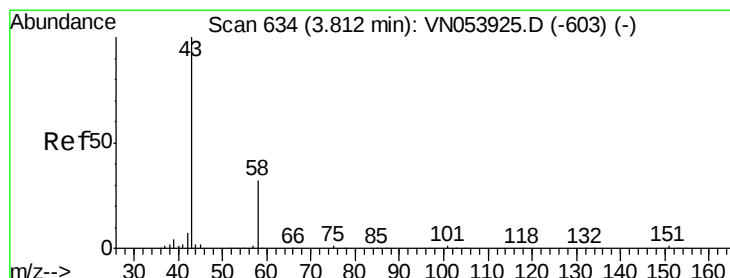
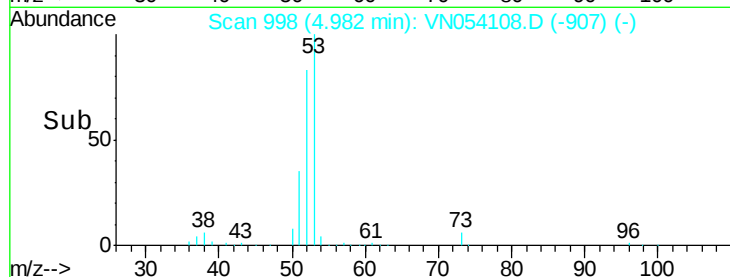
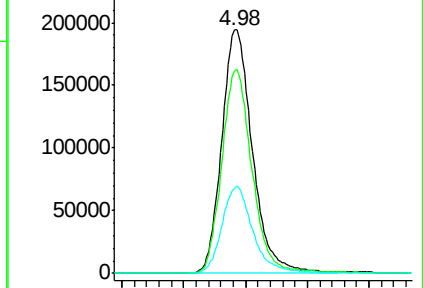
51 36.0 28.2 42.4



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

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

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



#16

Acetone

Concen: 237.050 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN054108.D

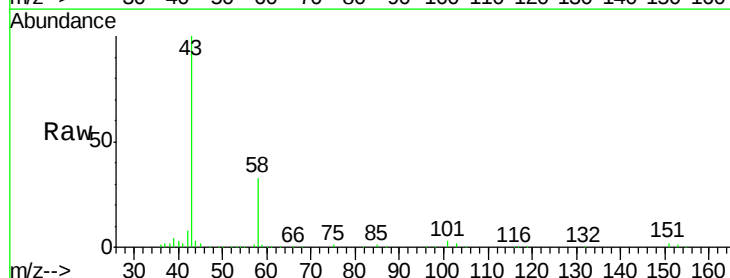
Acq: 5 Mar 2019 19:15

Tgt Ion: 43 Resp: 484432

Ion Ratio Lower Upper

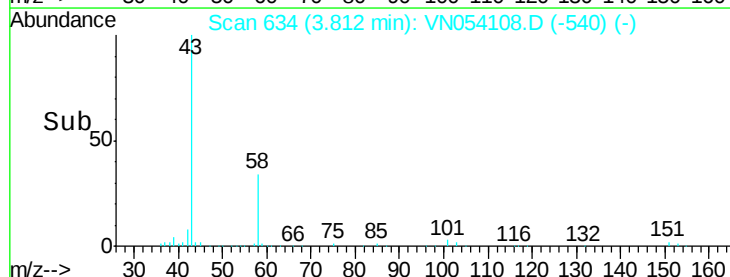
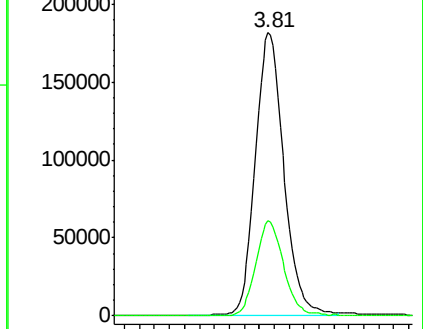
43 100

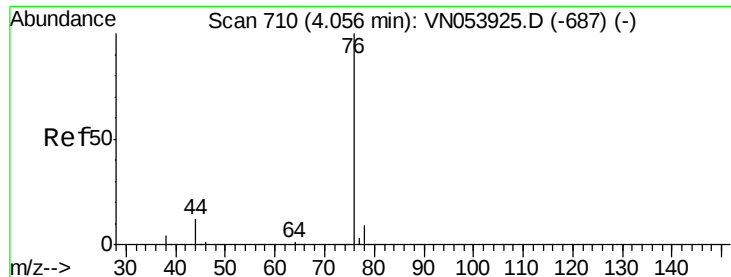
58 33.5 27.6 41.4



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

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

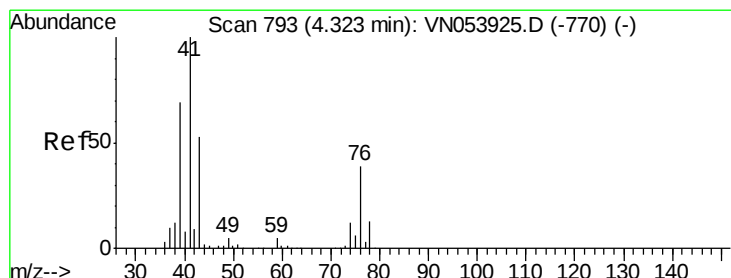
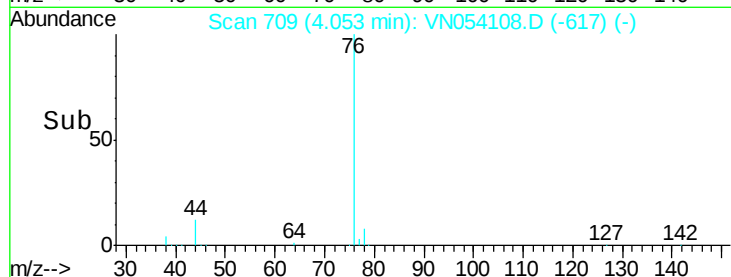
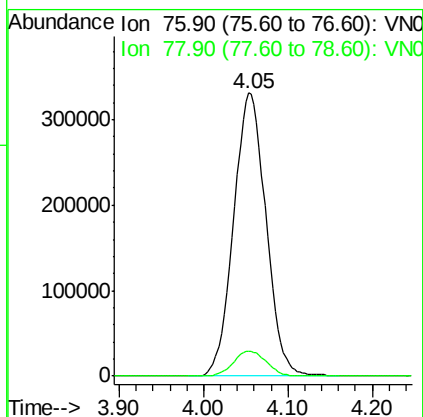
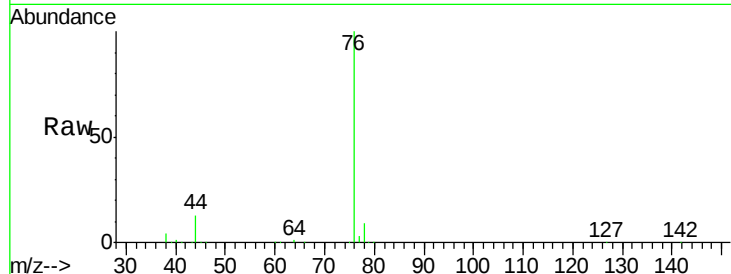




#17
Carbon Disulfide
Concen: 42.331 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

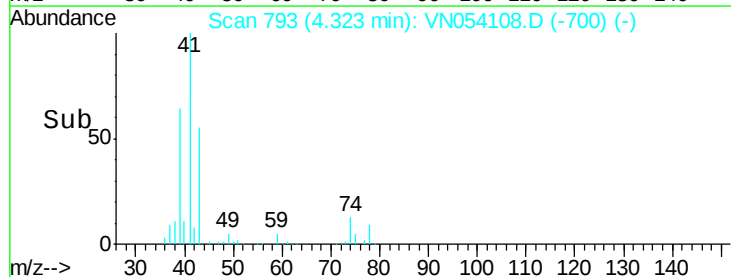
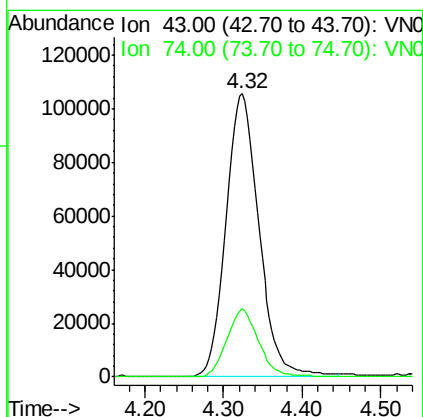
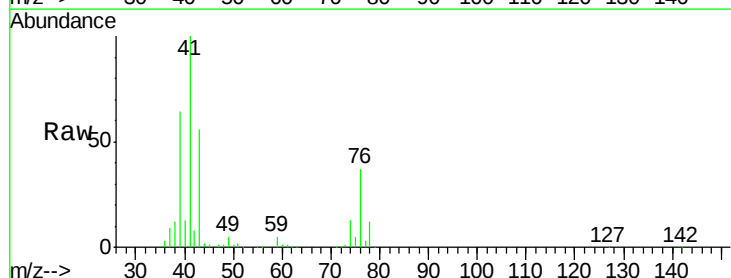
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

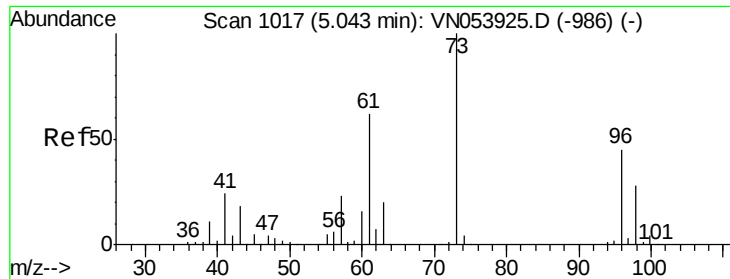
Tot Ion: 76 Resp: 885459
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3



#18
Methyl Acetate
Concen: 56.633 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 43 Resp: 304905
Ion Ratio Lower Upper
43 100
74 23.2 20.5 30.7

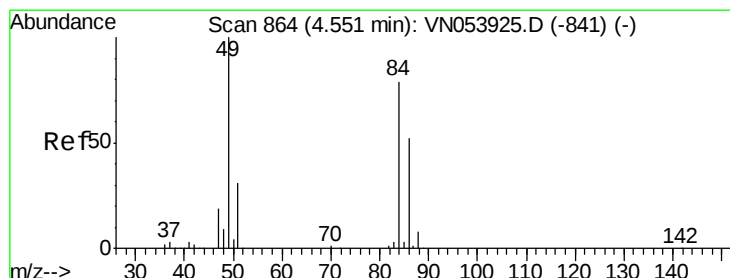
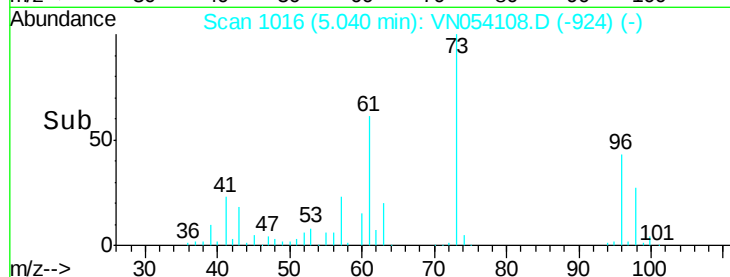
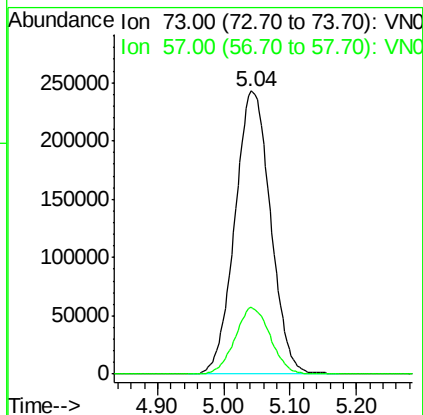
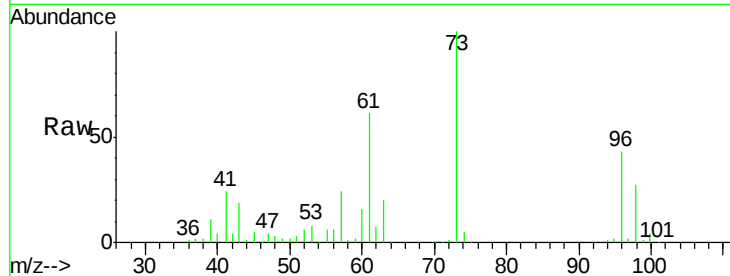




#19
Methyl tert-butyl Ether
Concen: 52.105 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

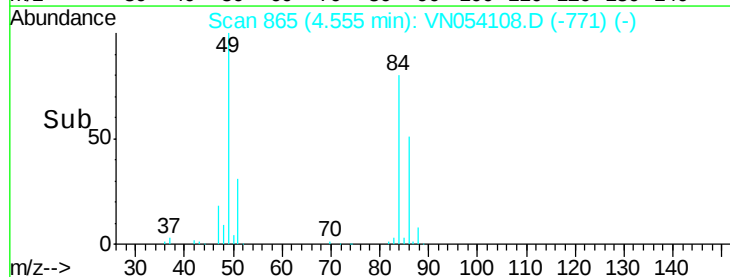
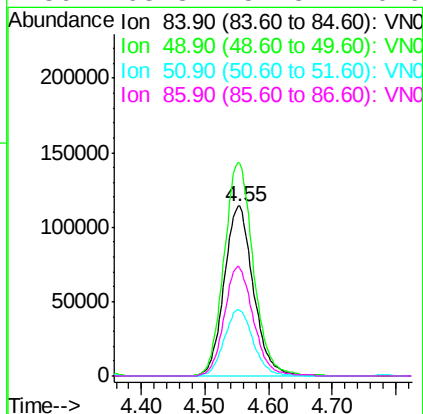
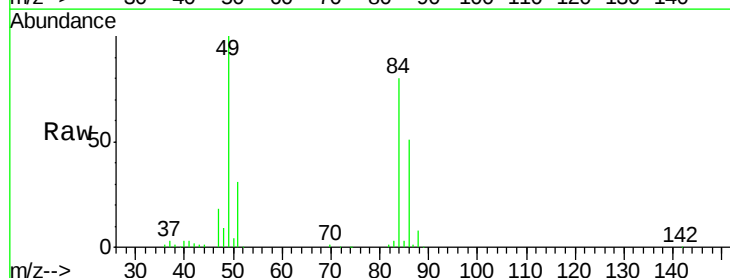
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

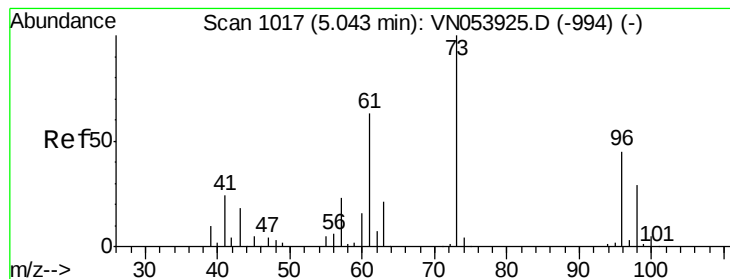
Tot Ion: 73 Resp: 906315
Ion Ratio Lower Upper
73 100
57 23.6 18.0 27.0



#20
Methylene Chloride
Concen: 47.808 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 84 Resp: 364324
Ion Ratio Lower Upper
84 100
49 124.8 89.7 134.5
51 38.6 27.8 41.8
86 63.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 47.616 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

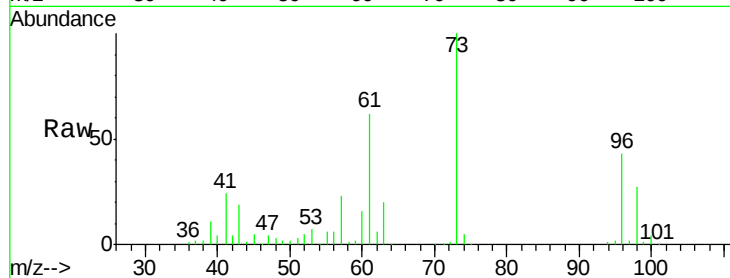
Tot Ion: 96 Resp: 334164

Ion Ratio Lower Upper

96 100

61 142.7 104.5 156.7

98 62.3 50.6 76.0

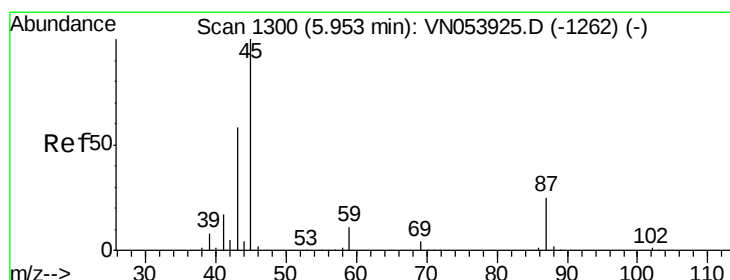
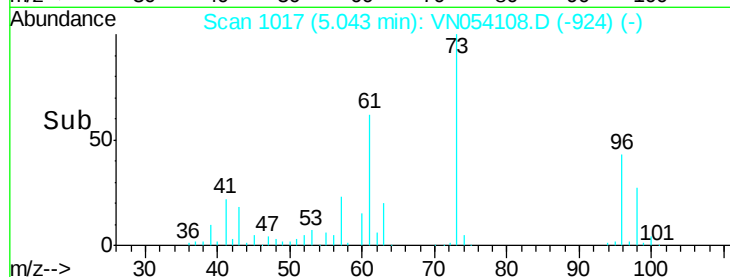
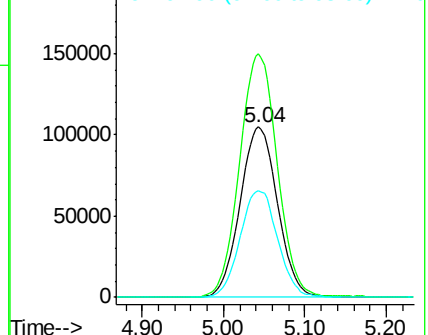


Abundance

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: 52.478 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Tgt Ion: 45 Resp: 1151354

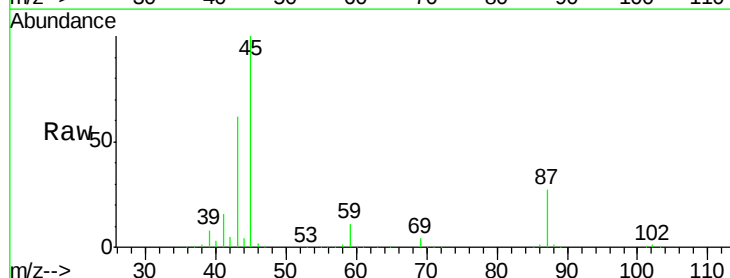
Ion Ratio Lower Upper

45 100

43 61.6 46.2 69.4

87 26.4 23.4 35.0

59 11.3 9.4 14.0



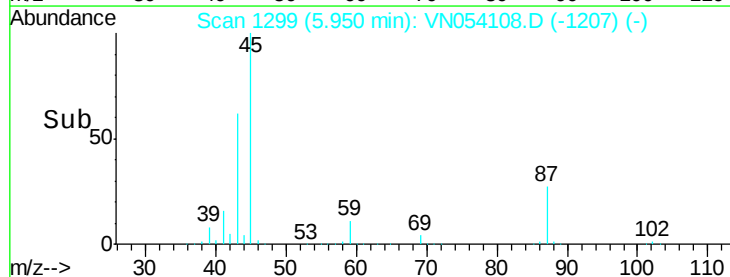
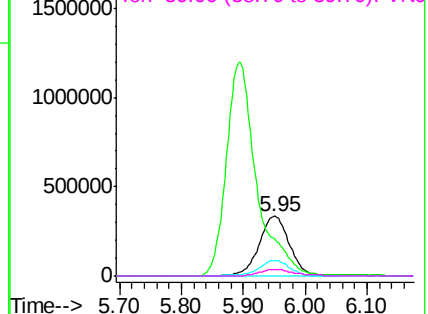
Abundance

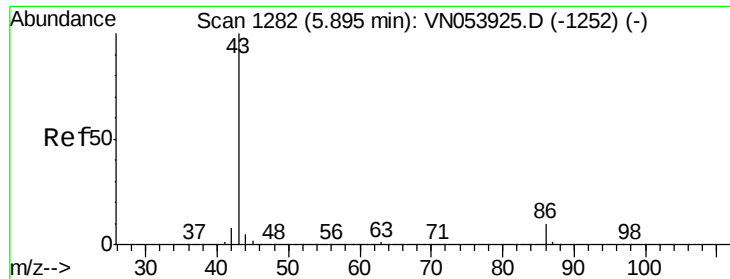
Ion 45.00 (44.70 to 45.70): VN0

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: 260.627 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

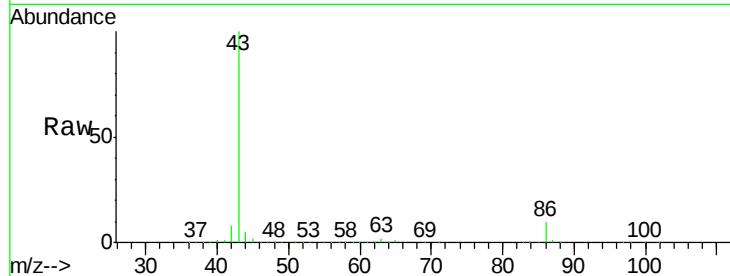
VSTDCCC050EC

Tot Ion: 43 Resp: 4113488

Ion Ratio Lower Upper

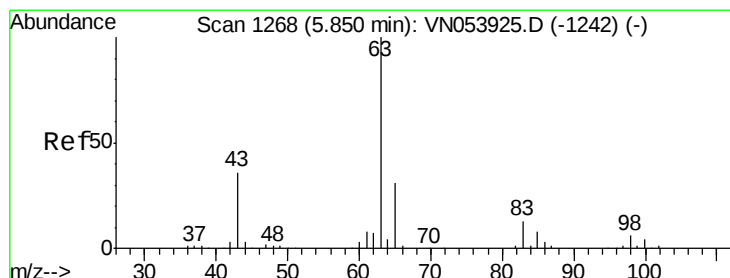
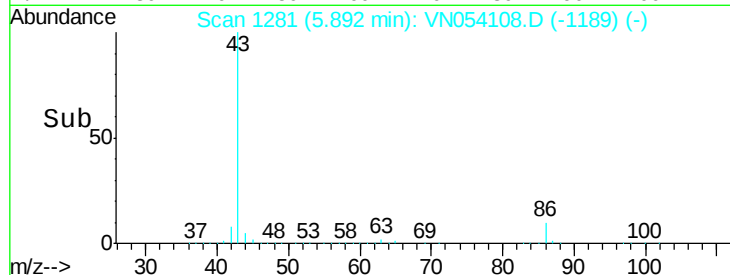
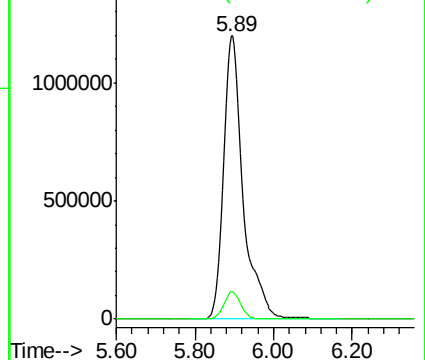
43 100

86 9.8 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.377 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

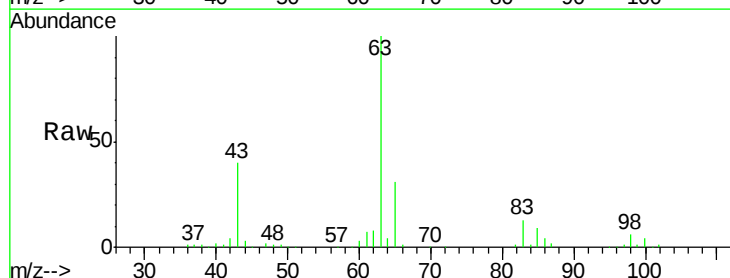
Tgt Ion: 63 Resp: 664330

Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.2

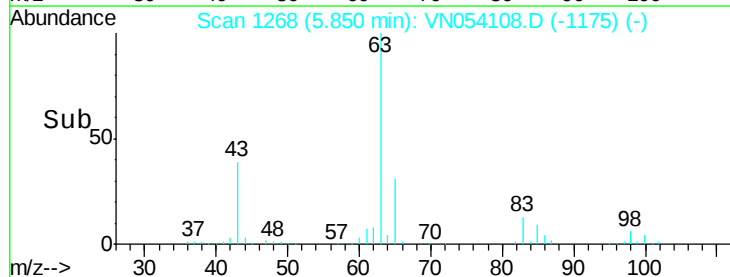
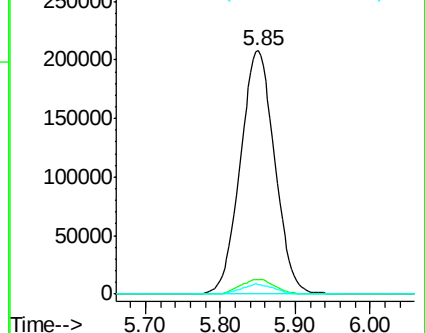
100 4.1 2.2 6.6

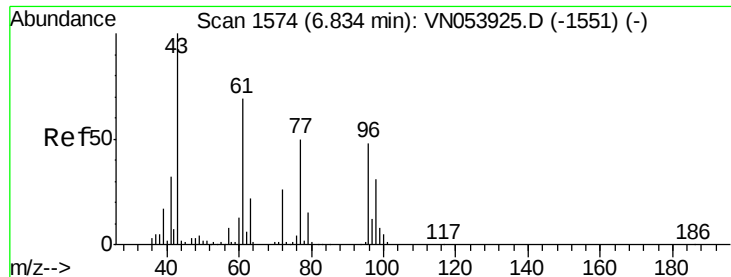


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

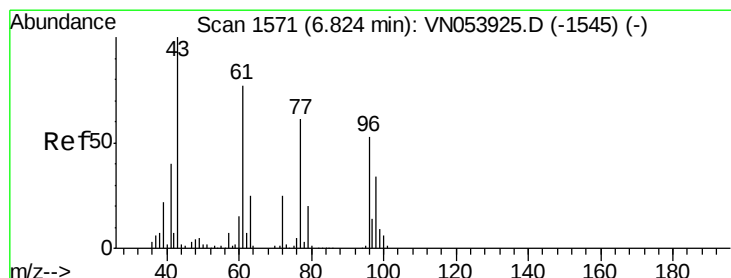
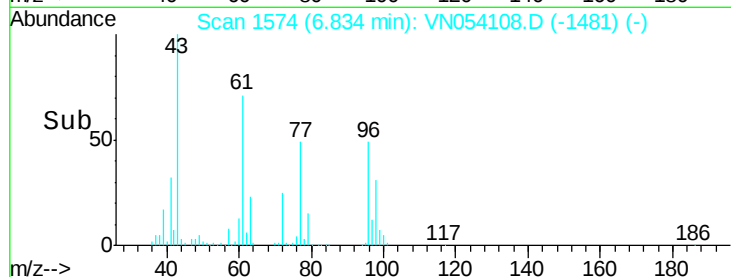
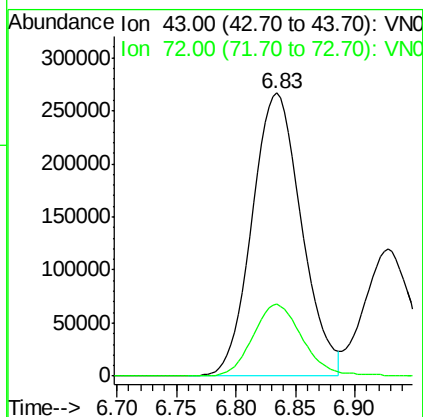
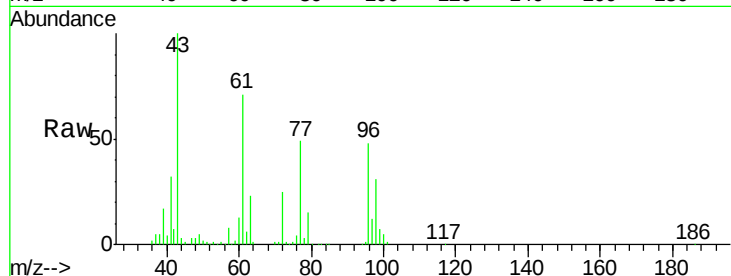




#25
2-Butanone
Concen: 252.984 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

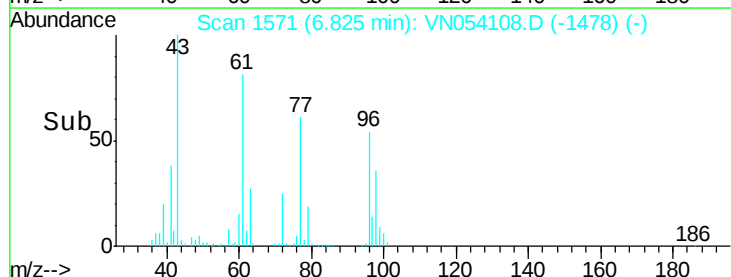
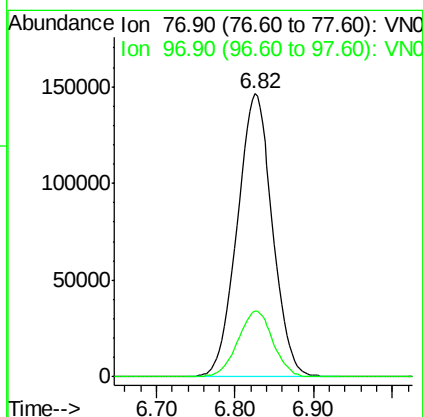
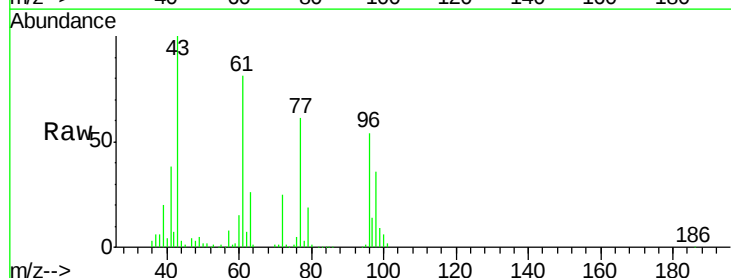
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

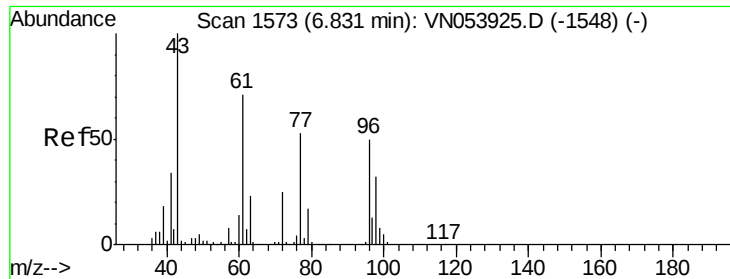
Tot Ion: 43 Resp: 764834
Ion Ratio Lower Upper
43 100
72 25.3 22.1 33.1



#26
2,2-Dichloropropane
Concen: 47.989 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 77 Resp: 458715
Ion Ratio Lower Upper
77 100
97 23.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.638 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

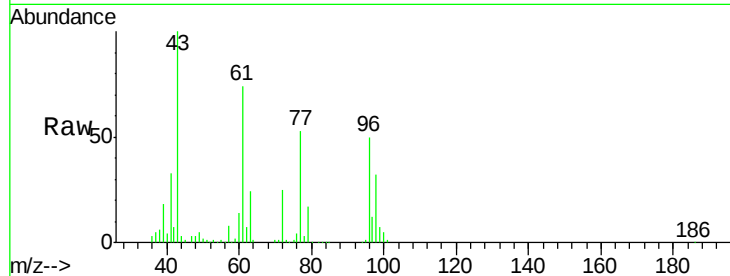
Tot Ion: 96 Resp: 387414

Ion Ratio Lower Upper

96 100

61 148.3 0.0 275.6

98 64.7 0.0 130.0

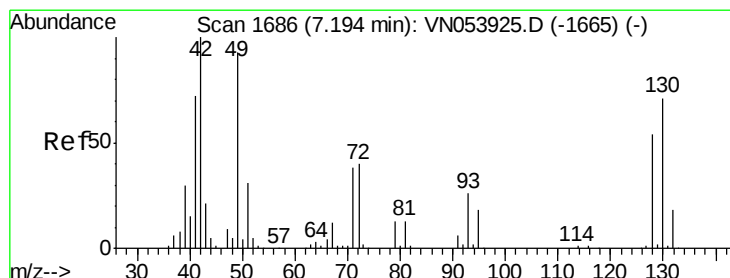
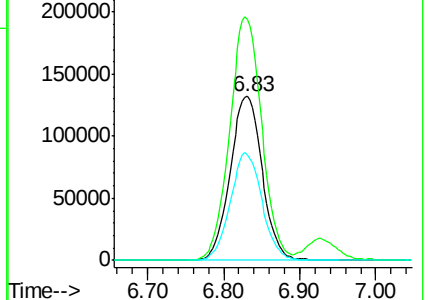
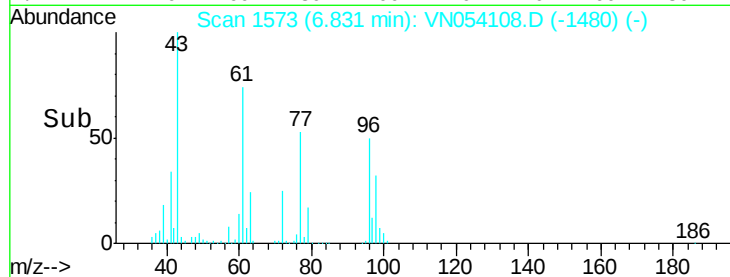


Abundance Ion 95.90 (95.60 to 96.60): VN054108.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN054108.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN054108.D (-1480) (-)

Time-->



#28

Bromochloromethane

Concen: 51.950 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

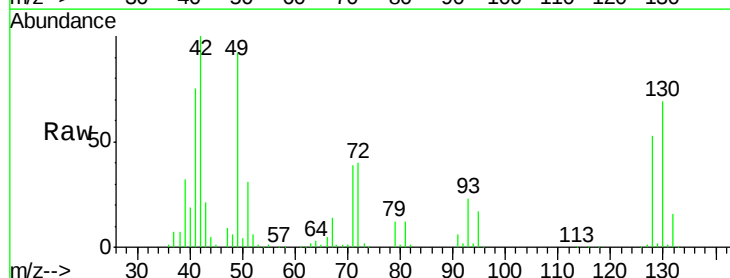
Tgt Ion: 49 Resp: 319930

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

130 73.4 72.9 109.3

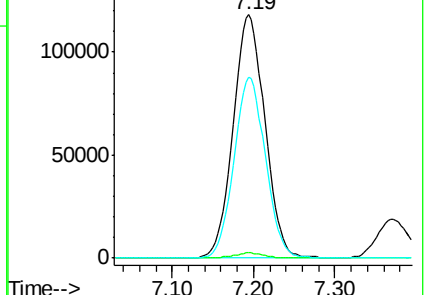
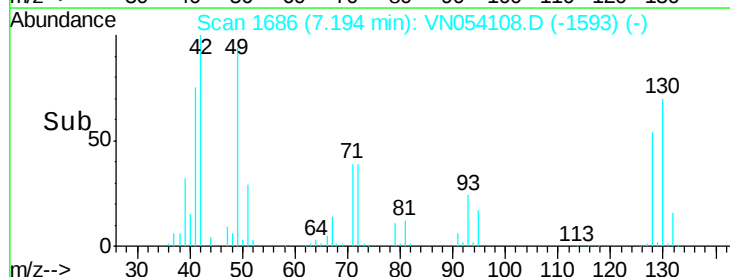


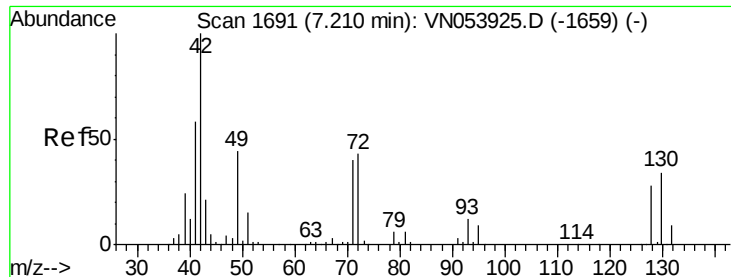
Abundance Ion 48.90 (48.60 to 49.60): VN054108.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN054108.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN054108.D (-1593) (-)

Time-->

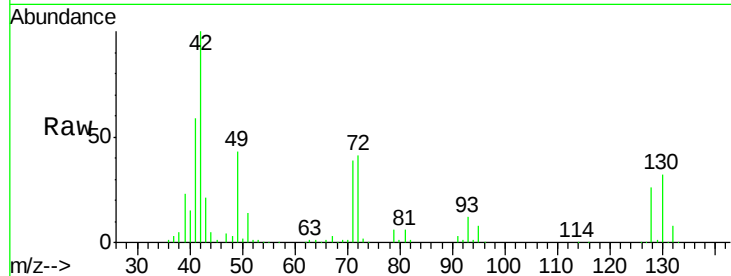




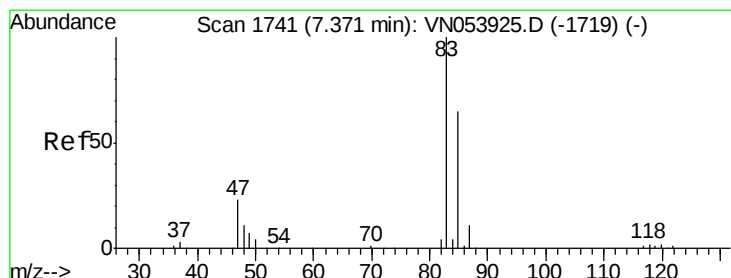
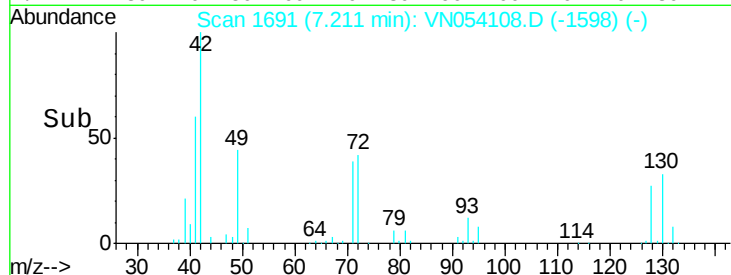
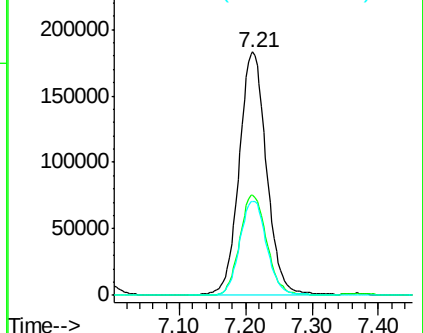
#29
Tetrahydrofuran
Concen: 259.752 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 522953
Ion Ratio Lower Upper
42 100
72 40.9 36.9 55.3
71 38.5 34.6 52.0

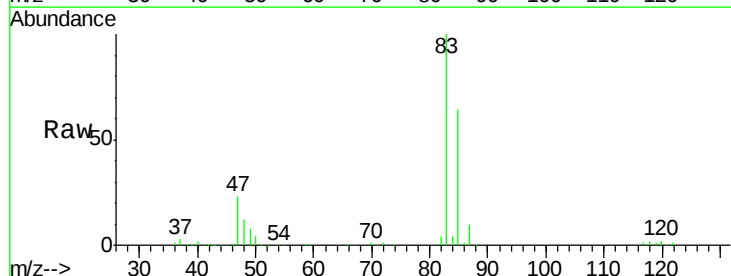


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

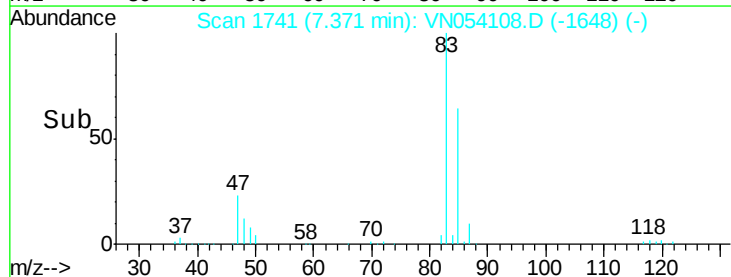
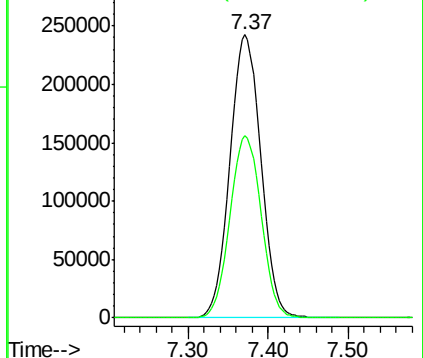


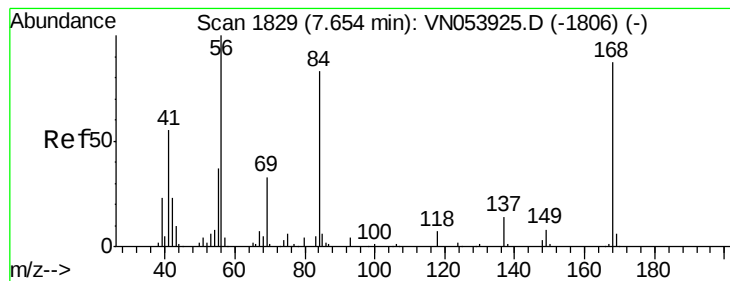
#30
Chloroform
Concen: 48.754 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 83 Resp: 636050
Ion Ratio Lower Upper
83 100
85 64.3 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: 48.802 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

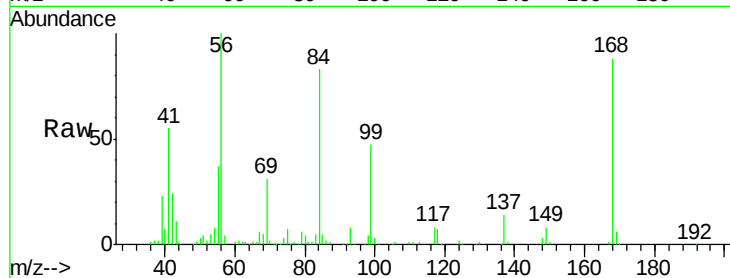
Tot Ion: 56 Resp: 601005

Ion Ratio Lower Upper

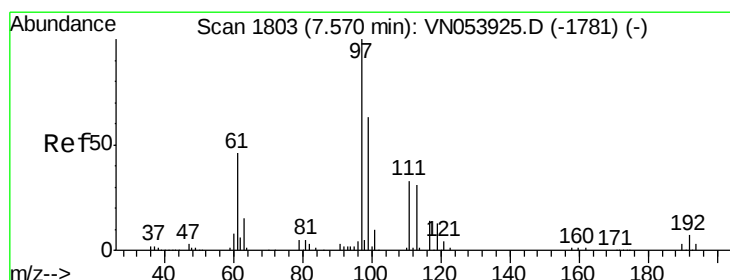
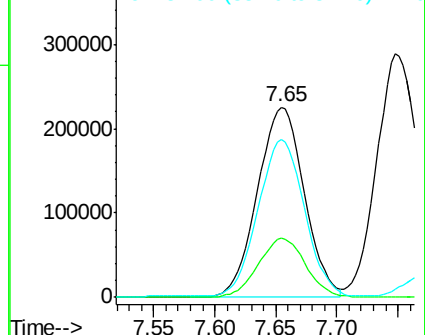
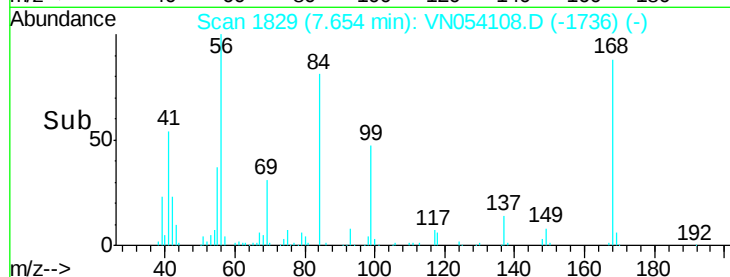
56 100

69 31.1 26.0 39.0

84 82.3 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: 49.039 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

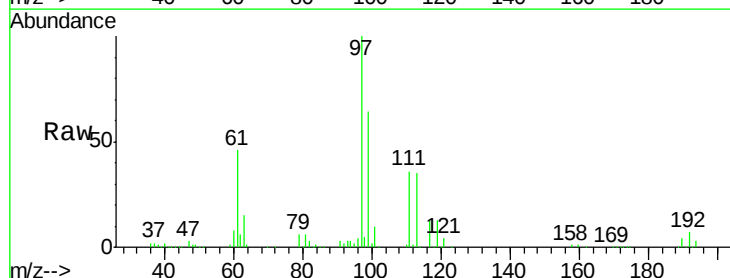
Tgt Ion: 97 Resp: 527506

Ion Ratio Lower Upper

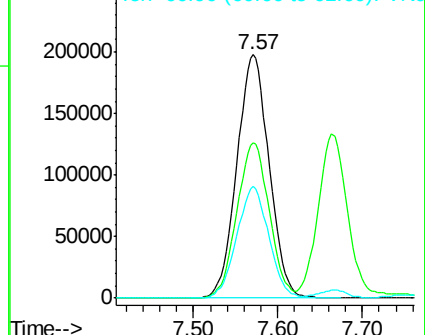
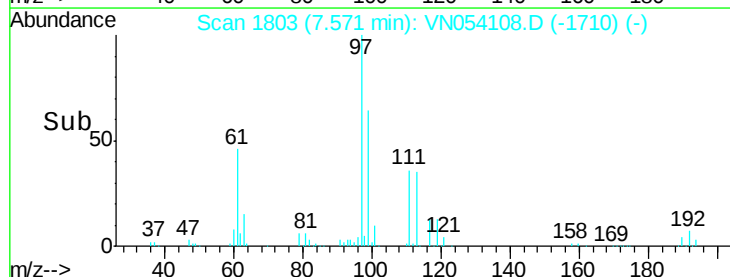
97 100

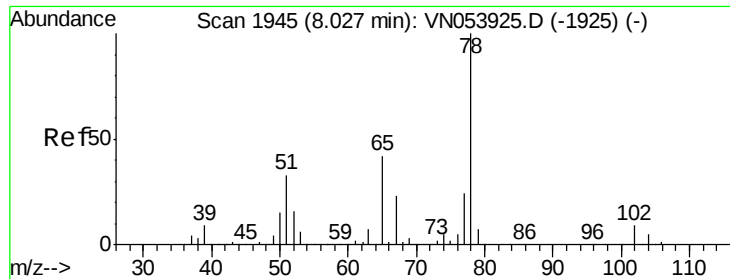
99 63.9 51.8 77.8

61 45.4 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: 49.609 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

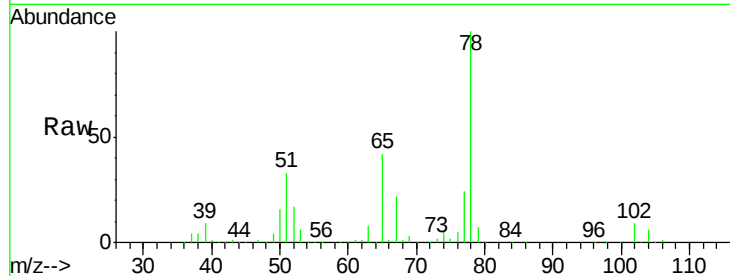
VSTDCCC050EC

Tot Ion: 65 Resp: 381970

Ion Ratio Lower Upper

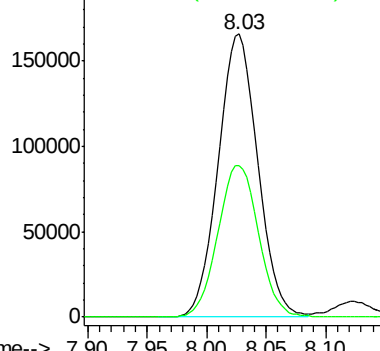
65 100

67 55.4 0.0 111.8

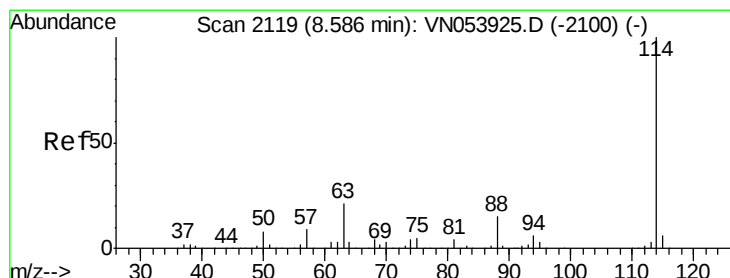
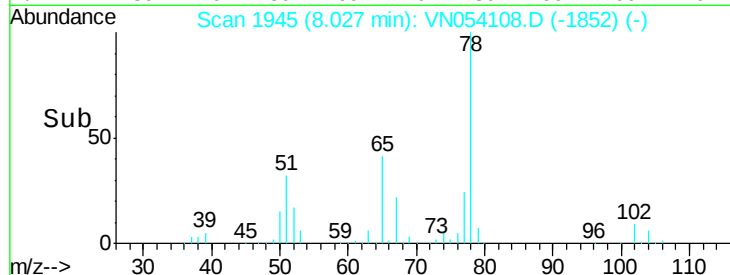


Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

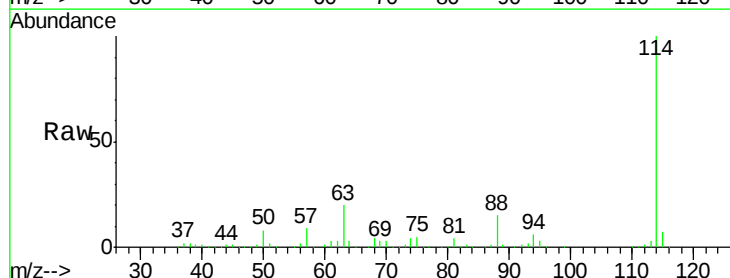
Tgt Ion: 114 Resp: 1050541

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

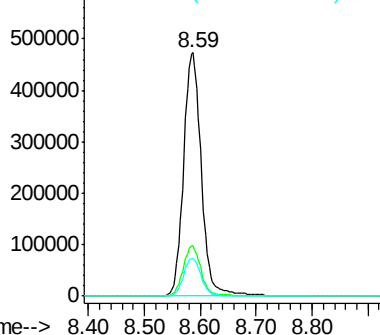
88 15.5 0.0 30.4



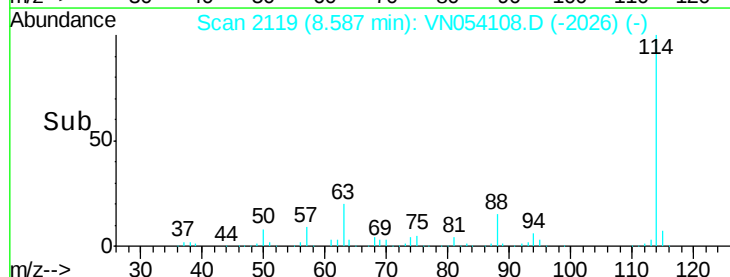
Abundance Ion 113.90 (113.60 to 114.60): V

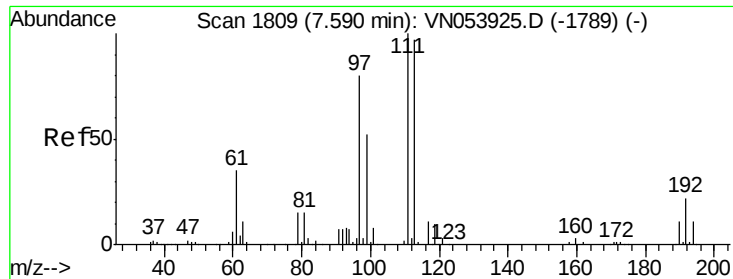
Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



Time--> 8.40 8.50 8.60 8.70 8.80

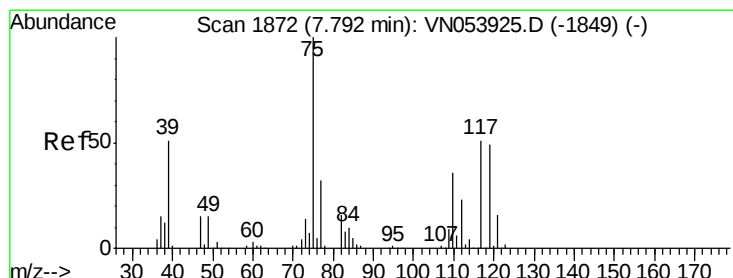
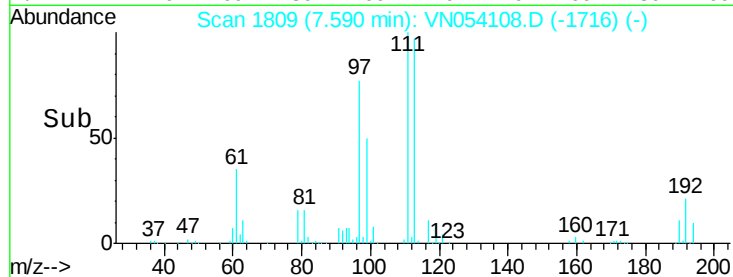
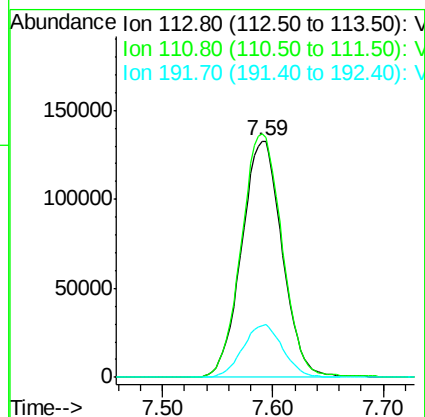
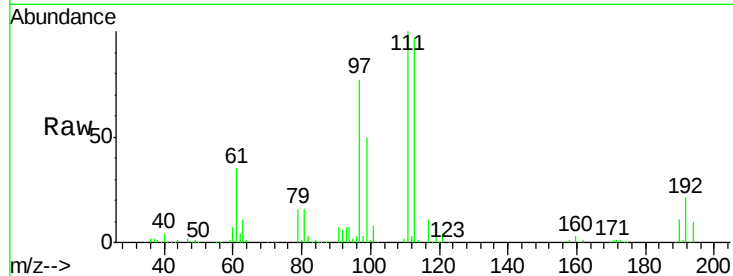




#35
 Dibromofluoromethane
 Concen: 49.801 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

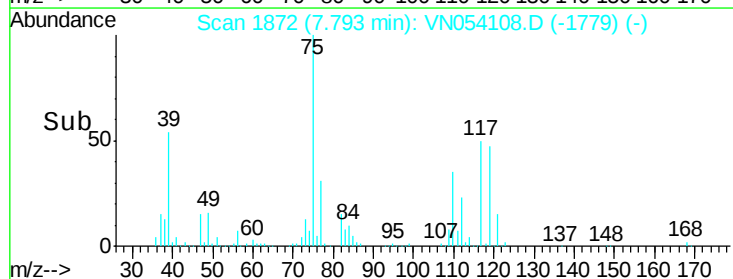
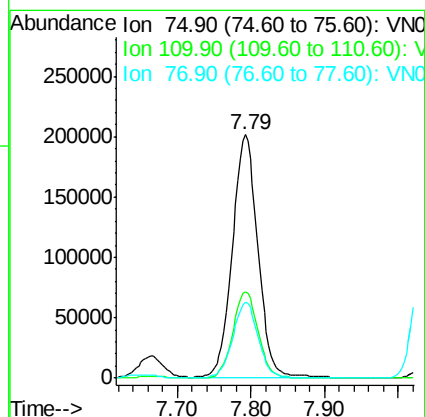
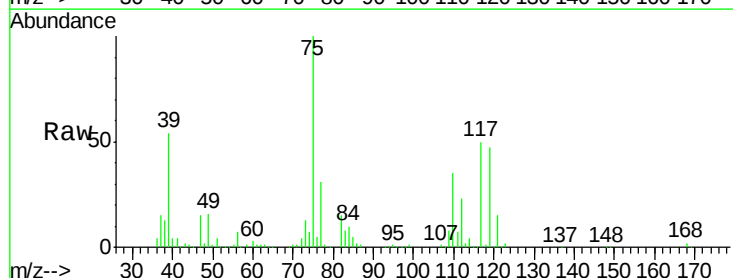
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

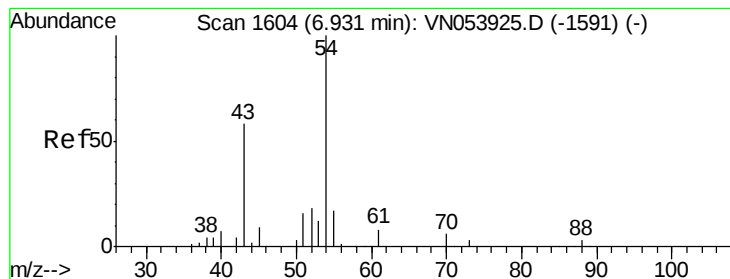
Tot Ion:113 Resp: 338319
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.1 121.7
 192 22.0 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 49.773 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion: 75 Resp: 486268
 Ion Ratio Lower Upper
 75 100
 110 35.1 19.0 57.0
 77 31.2 25.4 38.0





#37

Ethyl Acetate

Concen: 47.704 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

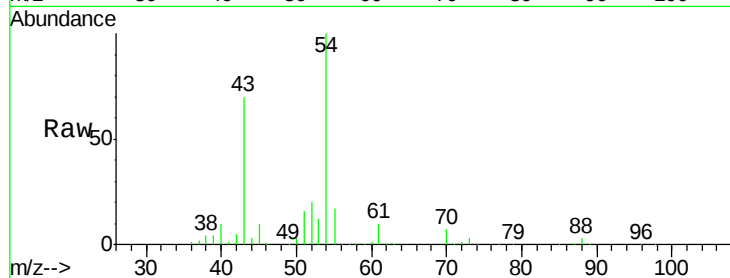
Tot Ion: 43 Resp: 332777

Ion Ratio Lower Upper

43 100

61 13.7 12.0 18.0

70 9.7 8.7 13.1

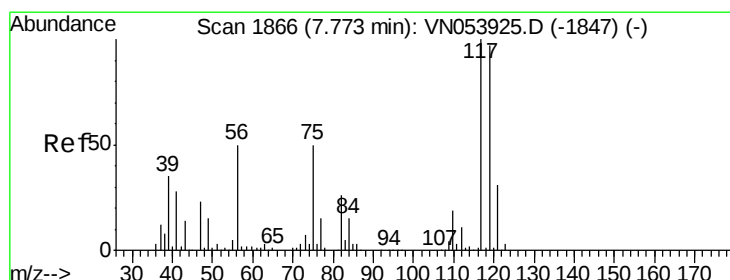
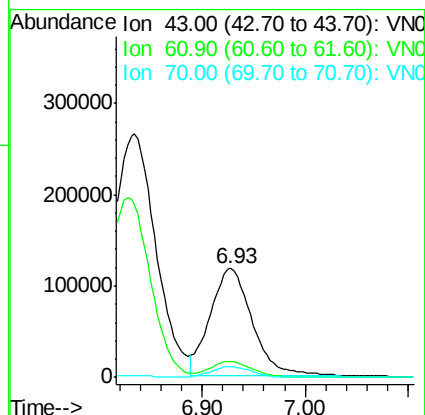
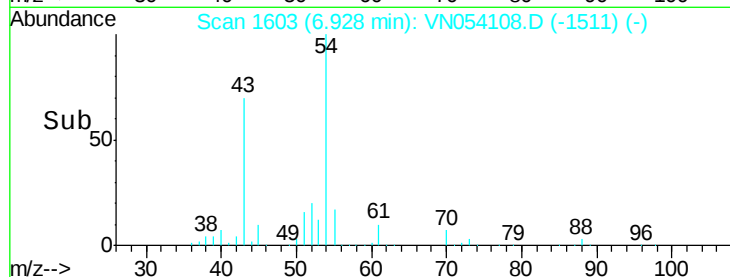


Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1591) (-)

Ion 60.90 (60.60 to 61.60): VN053925.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN053925.D (-1591) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 45.043 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

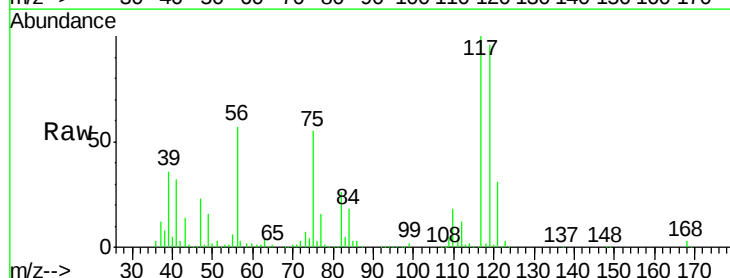
Tgt Ion: 117 Resp: 457673

Ion Ratio Lower Upper

117 100

119 95.9 76.2 114.2

121 31.2 24.6 36.8

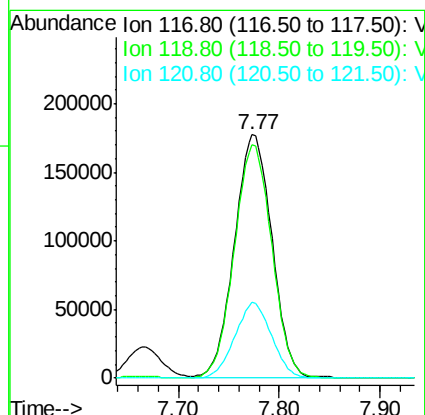
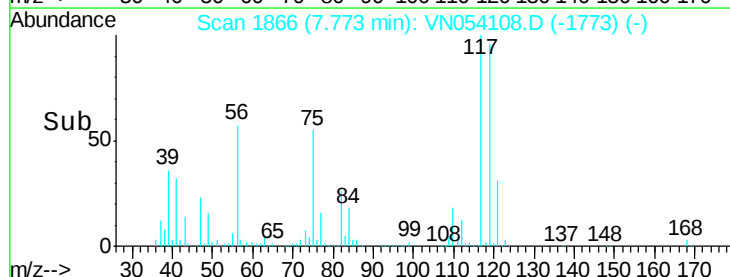


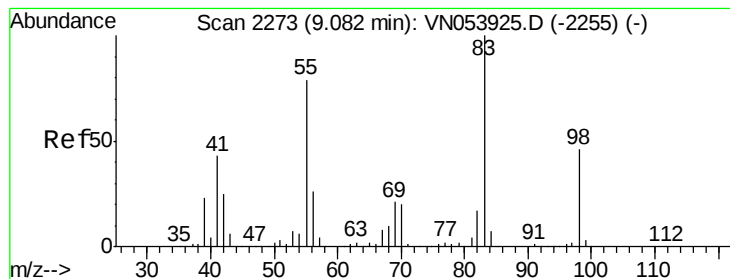
Abundance Ion 116.80 (116.50 to 117.50): VN053925.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN053925.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053925.D (-1847) (-)

Time-->





#39

Methvlcvclohexane

Concen: 46.985 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

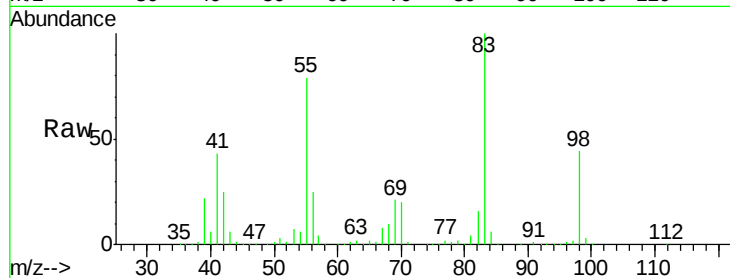
Tot Ion: 83 Resp: 553271

Ion Ratio Lower Upper

83 100

55 78.6 58.2 87.4

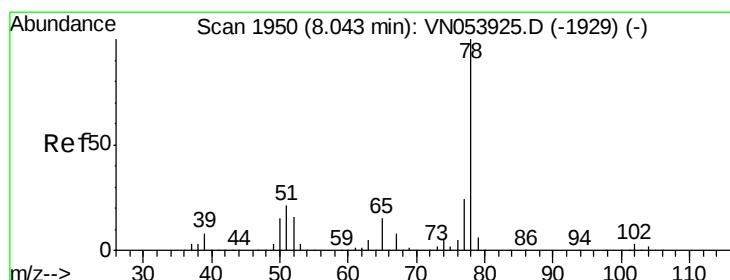
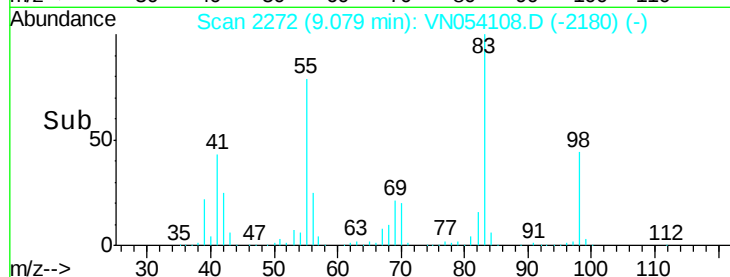
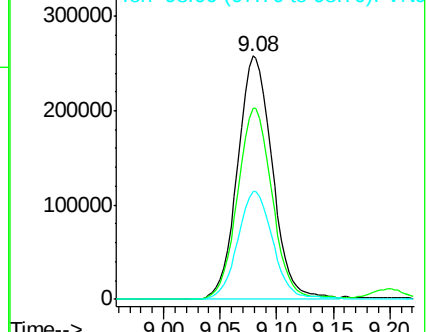
98 44.4 37.2 55.8



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: 49.515 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054108.D

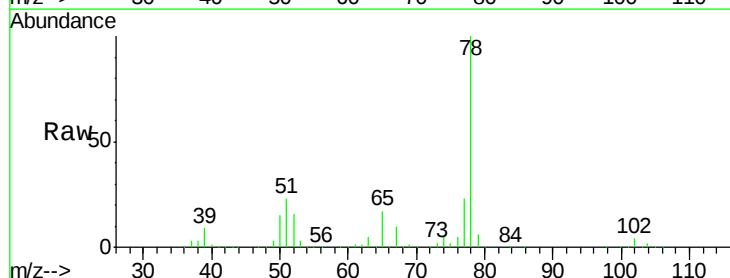
Acq: 5 Mar 2019 19:15

Tgt Ion: 78 Resp: 1486073

Ion Ratio Lower Upper

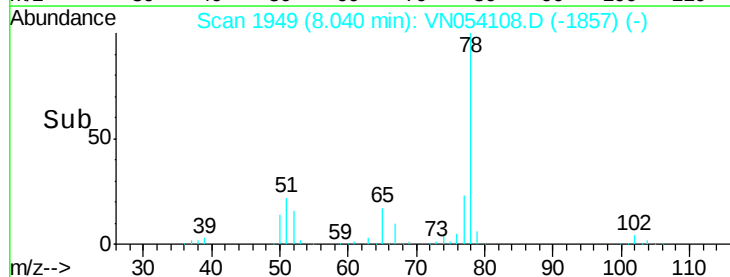
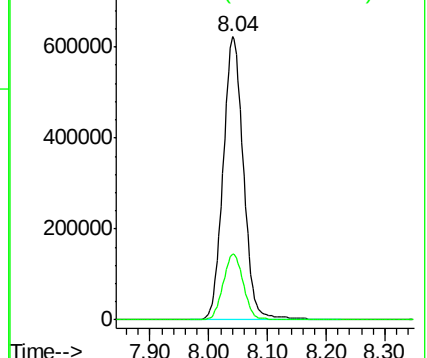
78 100

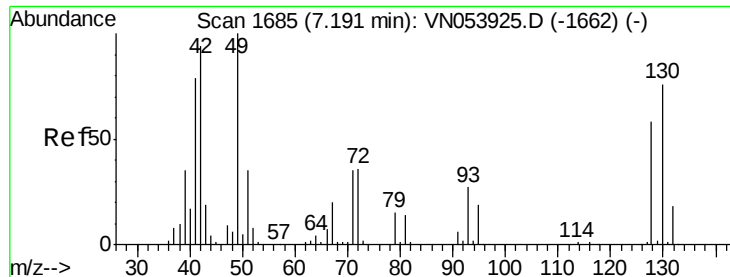
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

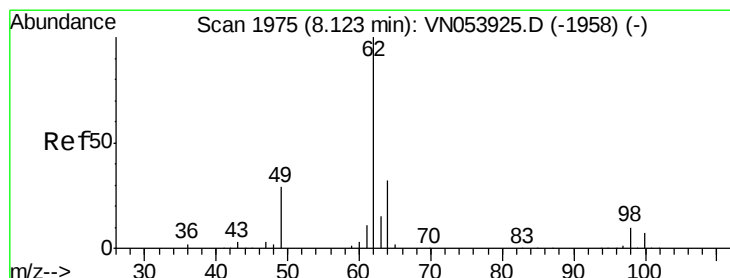
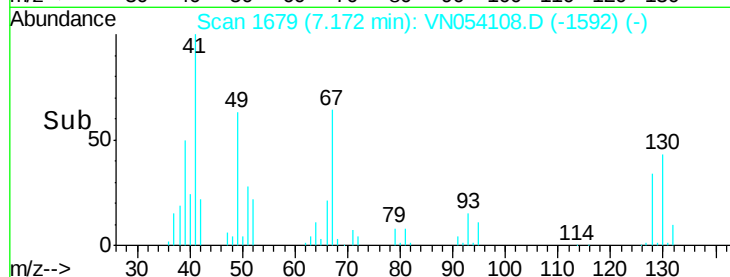
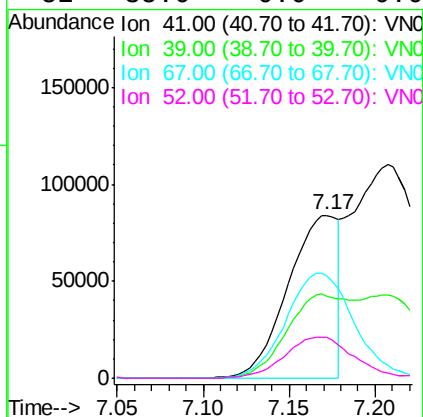
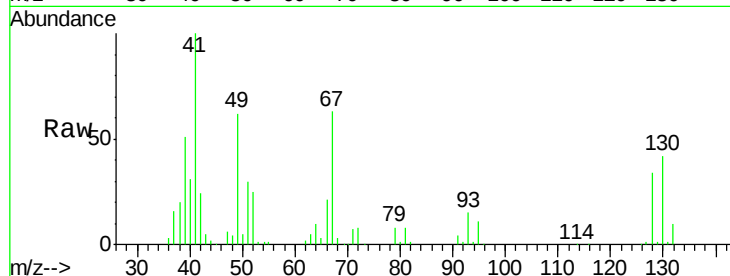




#41
Methacrylonitrile
Concen: 37.613 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

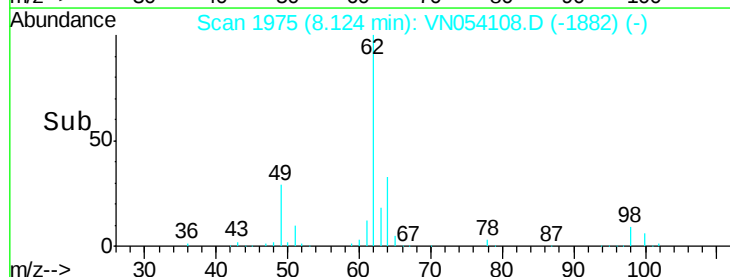
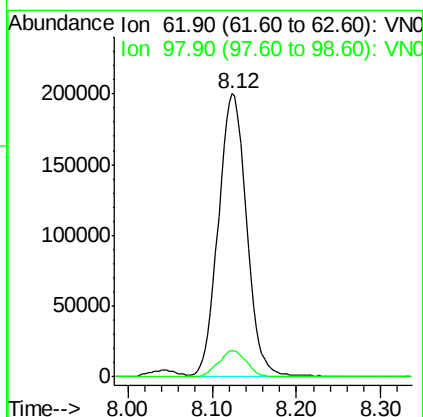
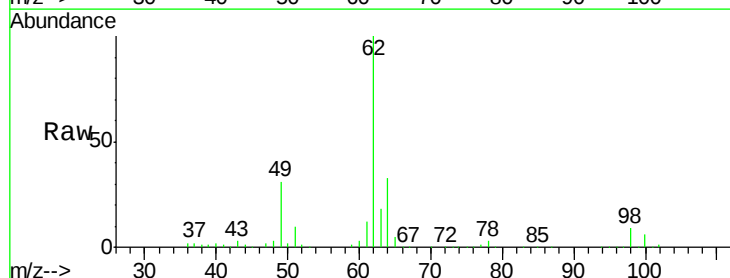
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

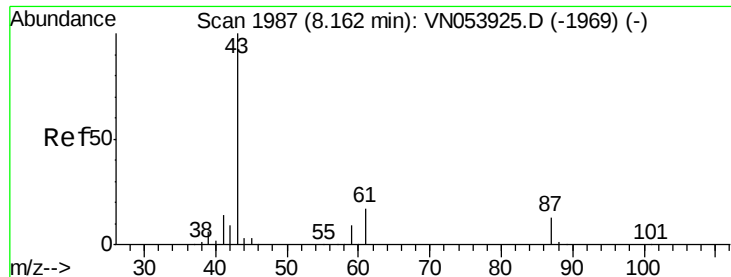
Tot Ion: 41 Resp: 168952
Ion Ratio Lower Upper
41 100
39 66.3 0.0 0.0#
67 89.8 0.0 0.0#
52 35.0 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 50.020 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 62 Resp: 464773
Ion Ratio Lower Upper
62 100
98 9.3 0.0 20.8





#43

Isopropyl Acetate

Concen: 50.165 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

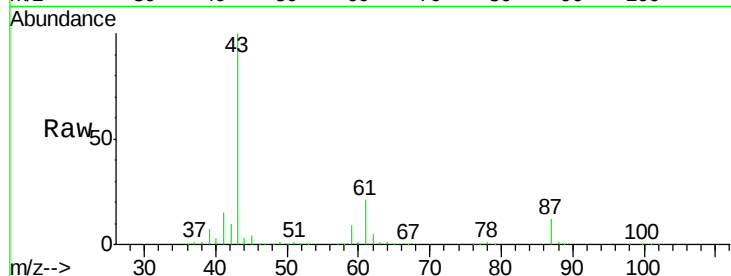
Tot Ion: 43 Resp: 590859

Ion Ratio Lower Upper

43 100

61 27.9 17.4 26.0#

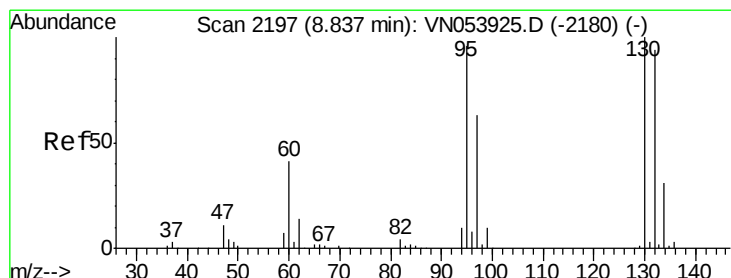
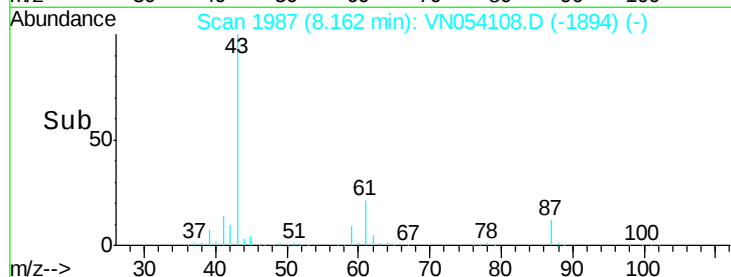
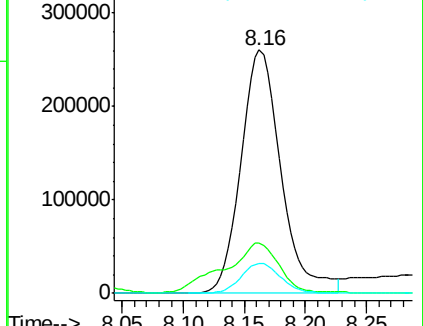
87 12.2 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053925.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053925.D (-1969) (-)



#44

Trichloroethene

Concen: 48.239 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054108.D

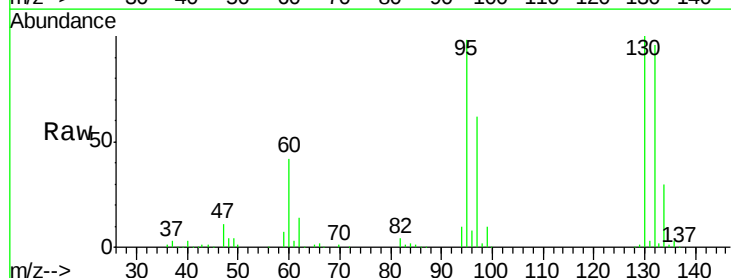
Acq: 5 Mar 2019 19:15

Tgt Ion:130 Resp: 383826

Ion Ratio Lower Upper

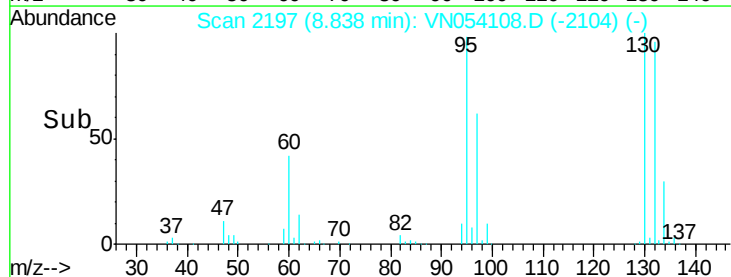
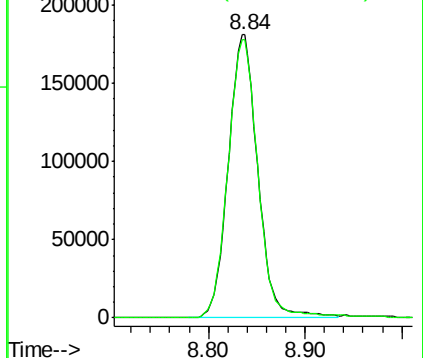
130 100

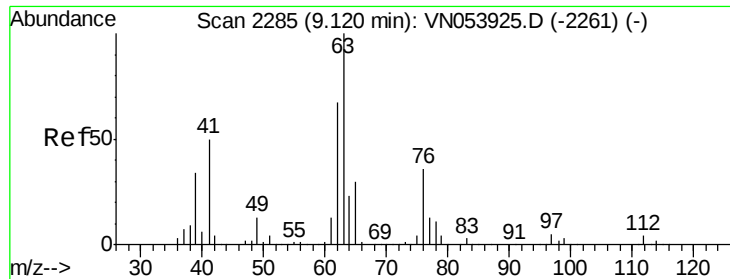
95 98.3 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053925.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN053925.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 50.382 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

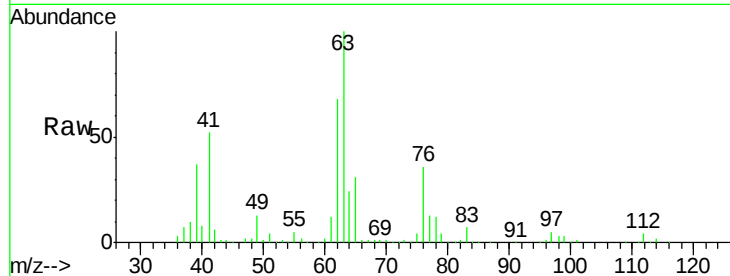
VSTDCCC050EC

Tot Ion: 63 Resp: 407957

Ion Ratio Lower Upper

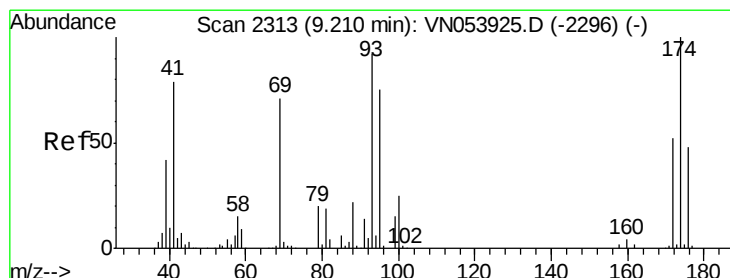
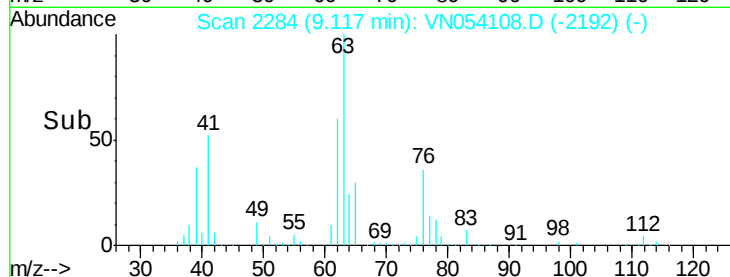
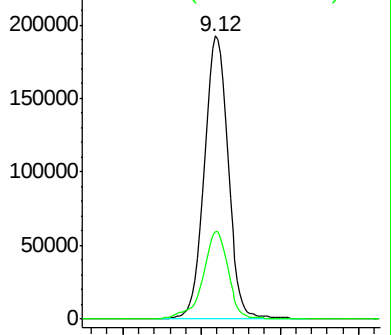
63 100

65 31.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.688 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

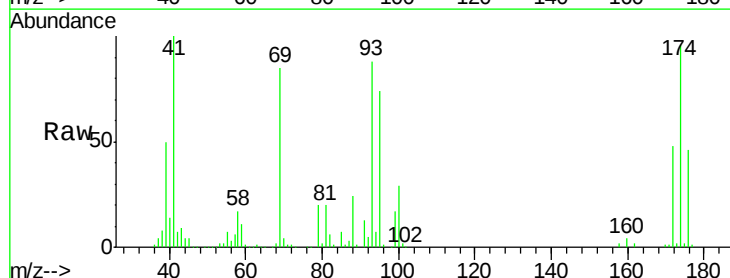
Tgt Ion: 93 Resp: 228877

Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

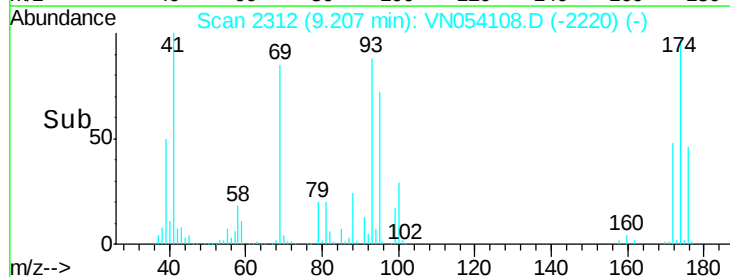
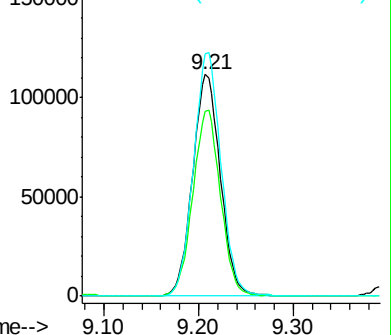
174 108.5 96.2 144.4

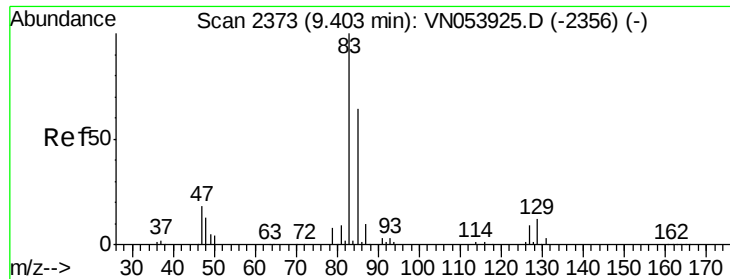


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

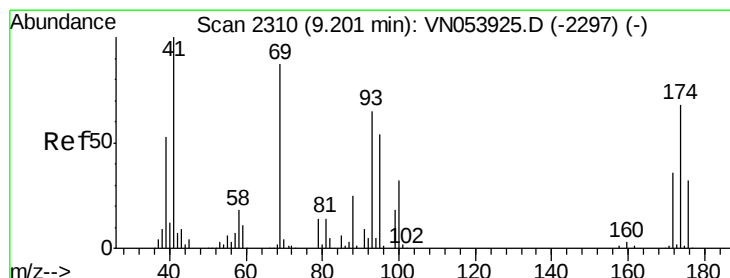
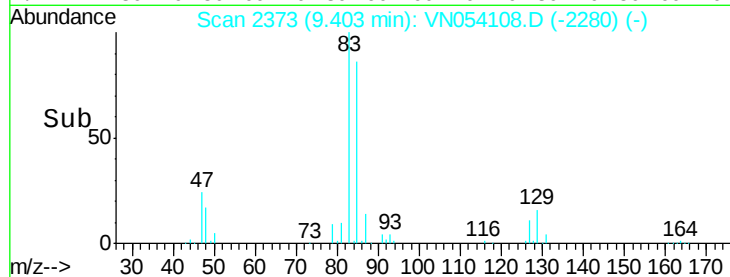
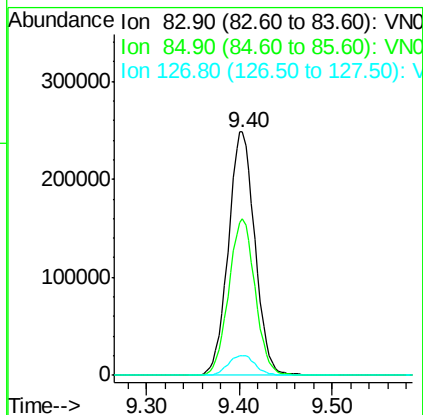
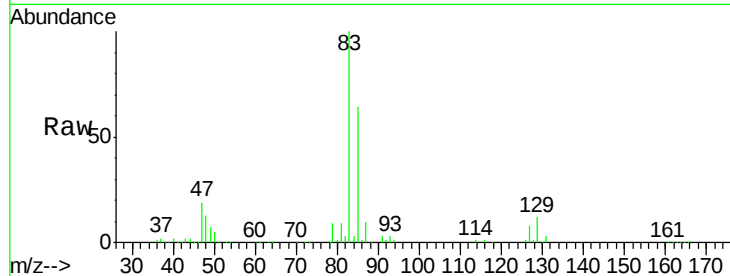




#47
 Bromodichloromethane
 Concen: 49.790 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

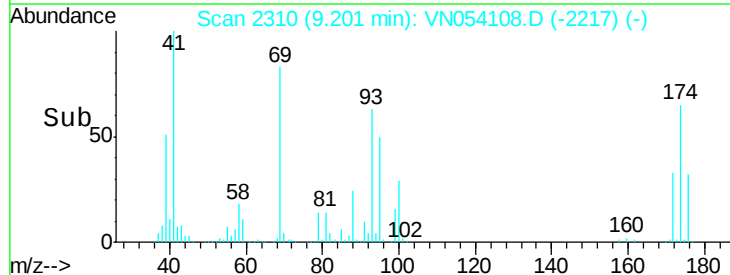
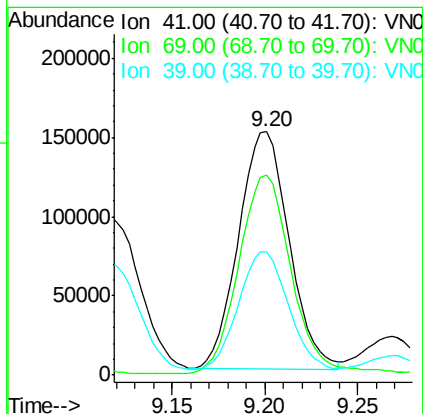
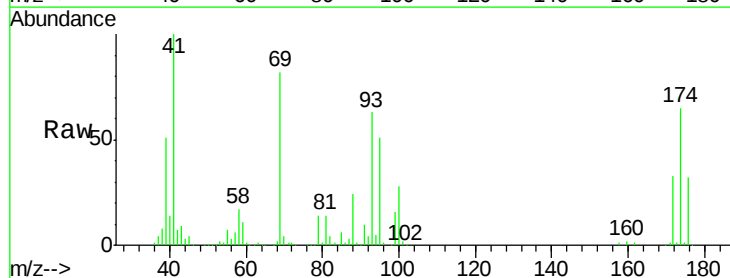
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

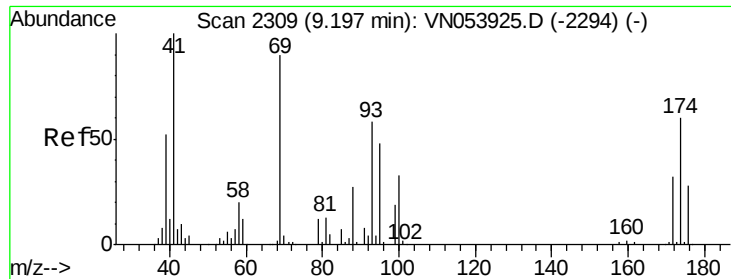
Tot Ion: 83 Resp: 493266
 Ion Ratio Lower Upper
 83 100
 85 64.3 51.8 77.6
 127 8.2 7.4 11.0



#48
 Methyl methacrylate
 Concen: 52.556 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion: 41 Resp: 284733
 Ion Ratio Lower Upper
 41 100
 69 89.3 74.8 112.2
 39 53.9 39.0 58.6

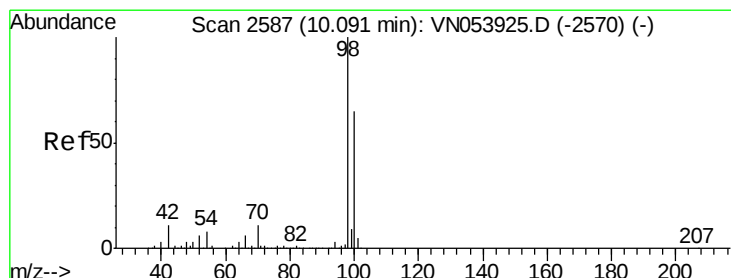
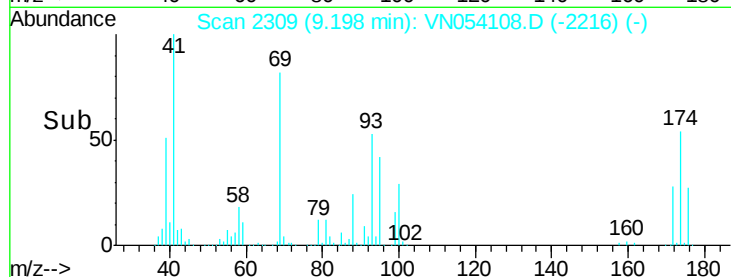
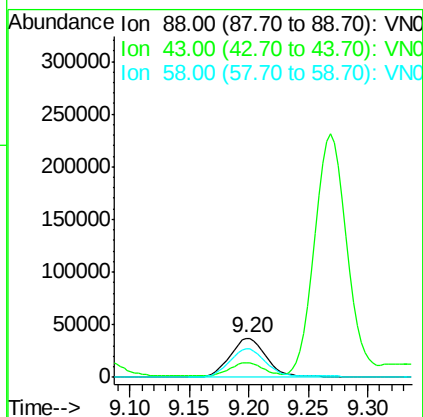
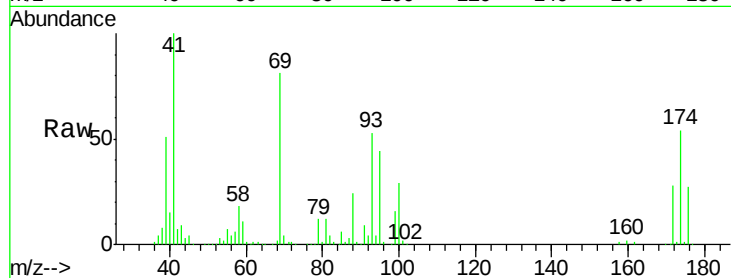




#49
 1,4-Dioxane
 Concen: 1083.535 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

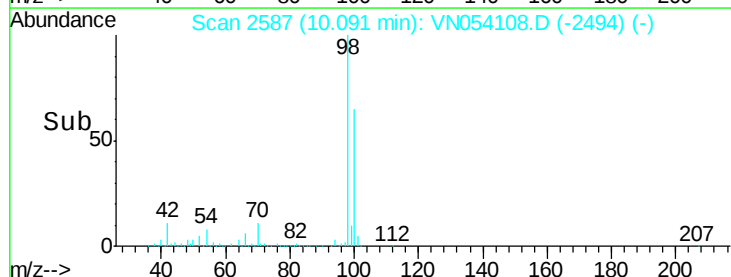
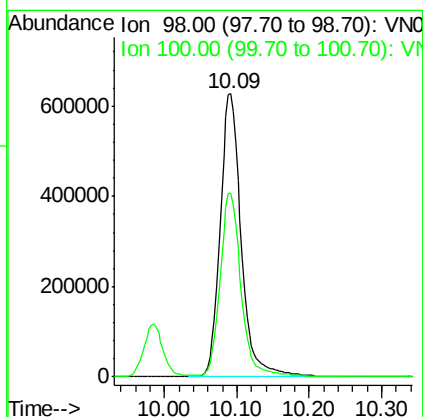
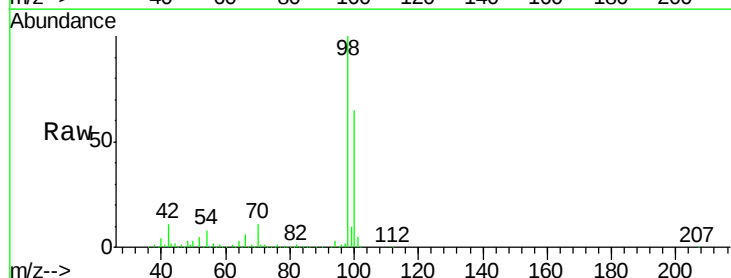
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

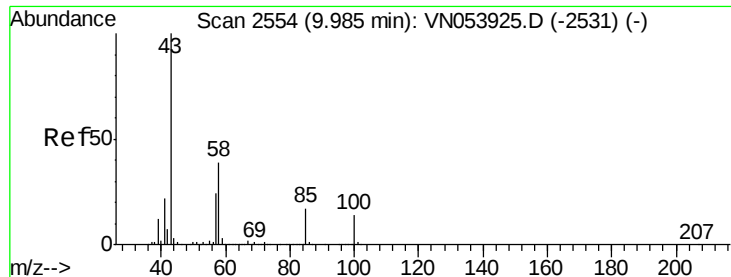
Tot Ion: 88 Resp: 79508
 Ion Ratio Lower Upper
 88 100
 43 31.2 21.2 31.8
 58 73.2 54.2 81.2



#50
 Toluene-d8
 Concen: 49.822 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion: 98 Resp: 1259934
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 271.760 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

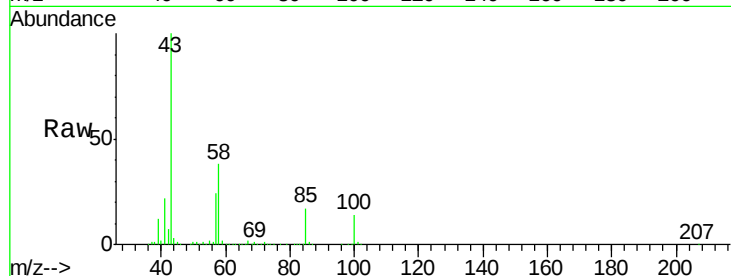
VSTDCCC050EC

Tot Ion: 43 Resp: 1644818

Ion Ratio Lower Upper

43 100

58 38.1 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

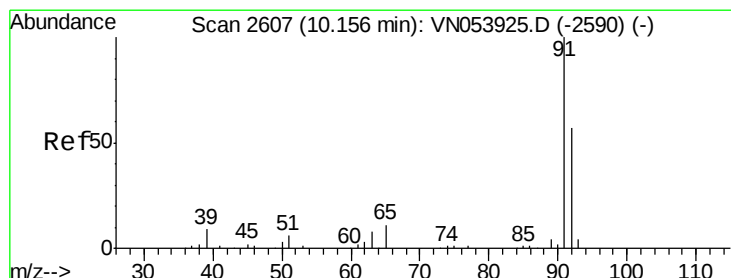
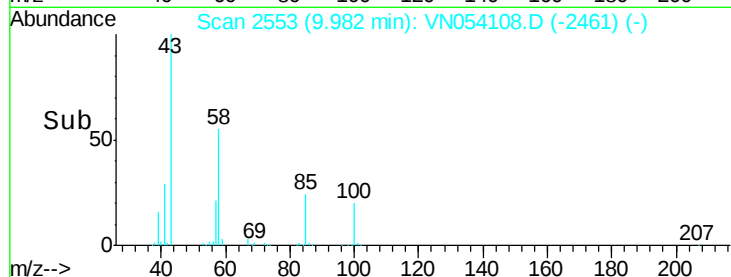
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.222 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054108.D

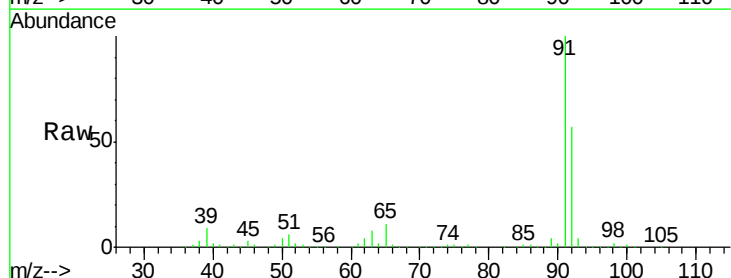
Acq: 5 Mar 2019 19:15

Tgt Ion: 92 Resp: 887558

Ion Ratio Lower Upper

92 100

91 173.2 138.4 207.6



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

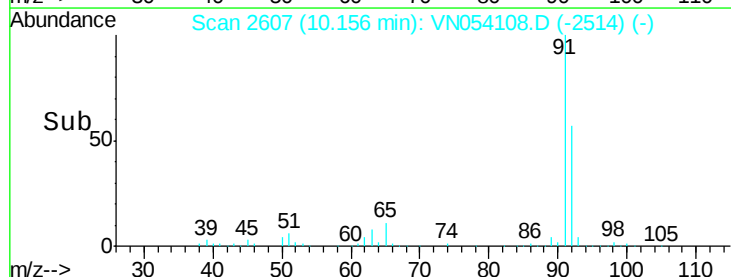
600000

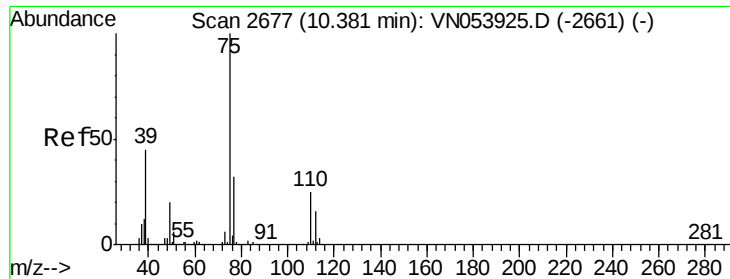
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.936 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

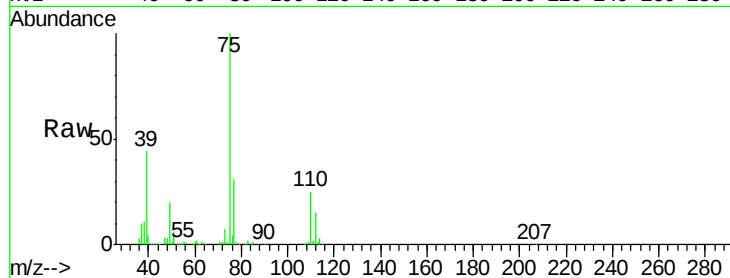
VSTDCCC050EC

Tot Ion: 75 Resp: 490993

Ion Ratio Lower Upper

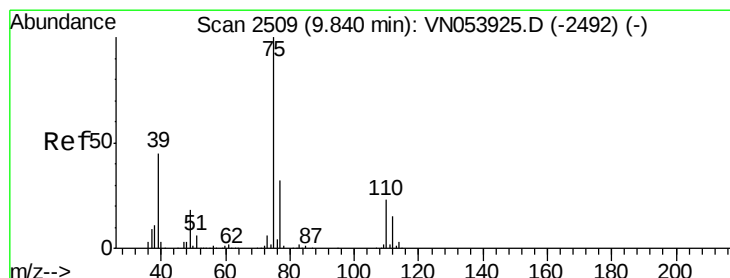
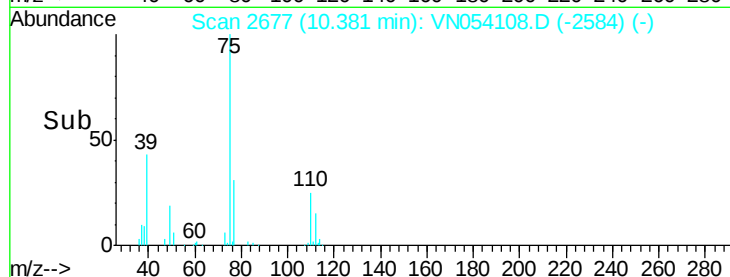
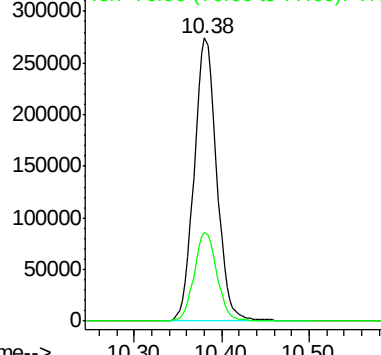
75 100

77 31.2 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.871 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

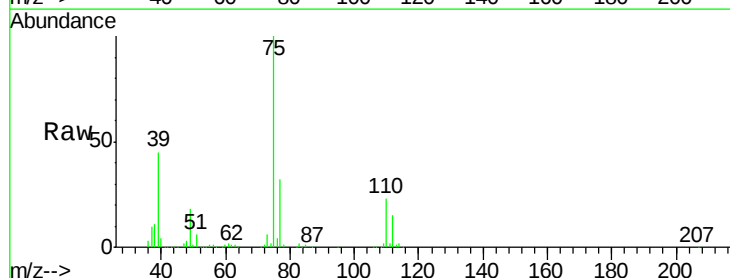
Tgt Ion: 75 Resp: 578078

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6

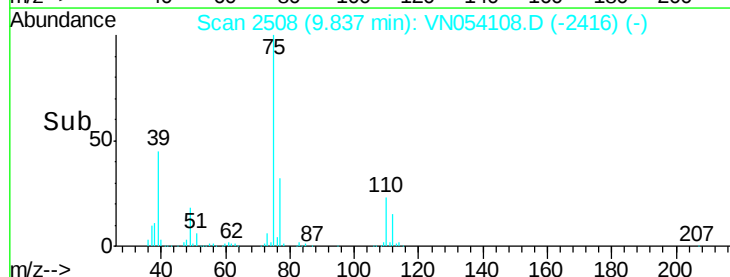
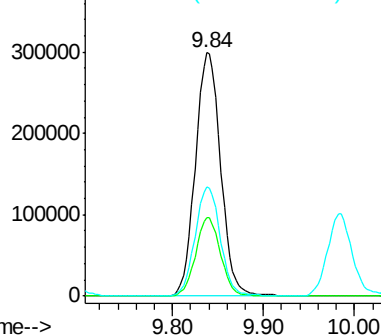
39 44.8 31.4 47.0

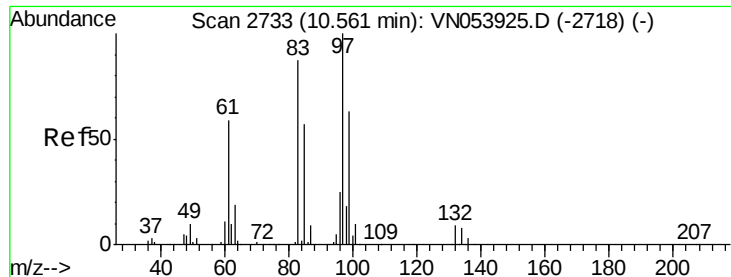


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

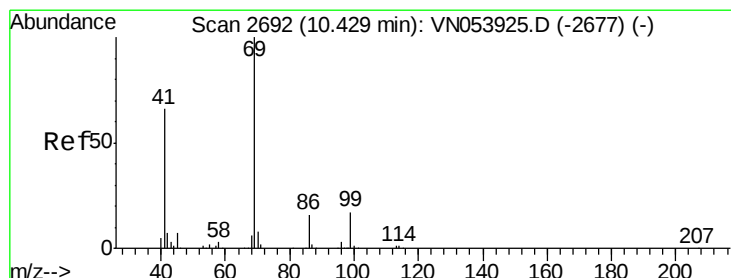
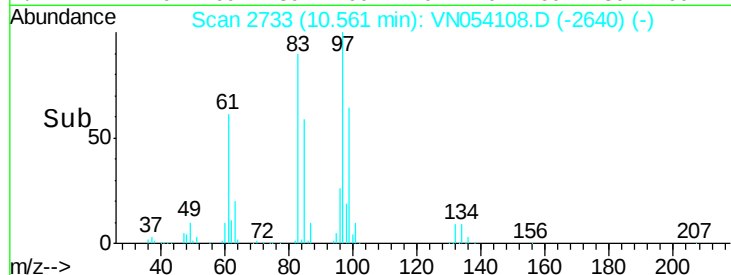
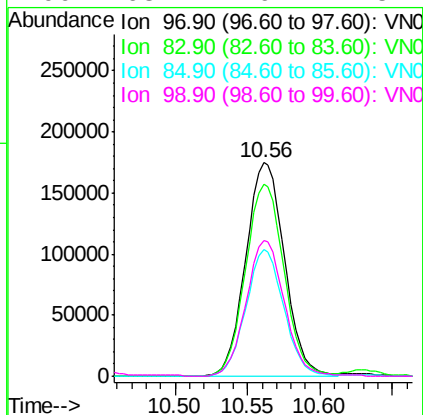
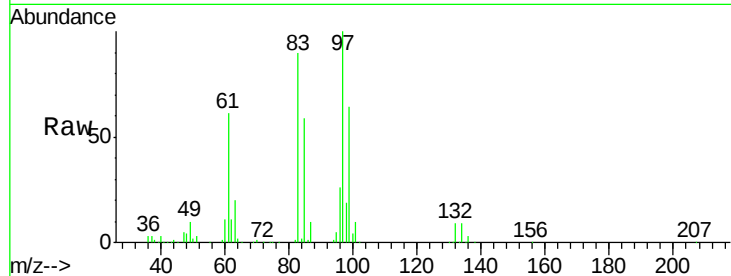




#55
 1,1,2-Trichloroethane
 Concen: 49.357 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

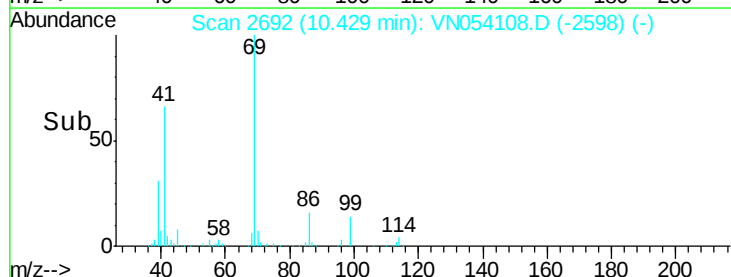
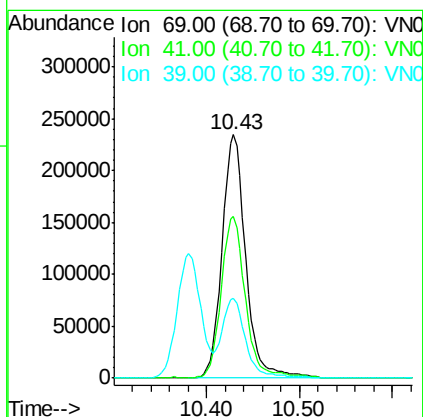
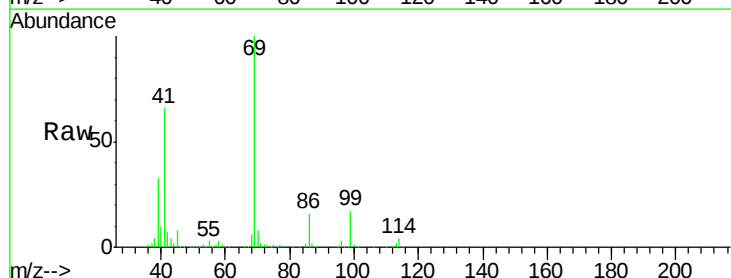
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

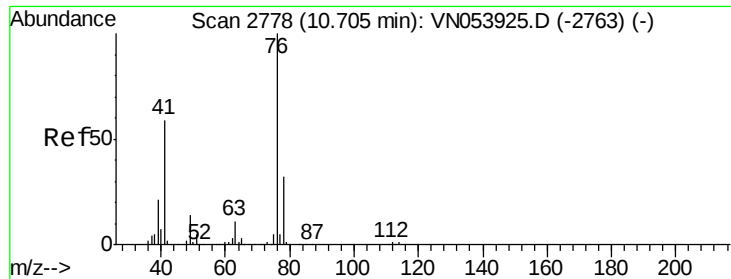
Tot Ion: 97 Resp: 325758
 Ion Ratio Lower Upper
 97 100
 83 89.8 69.5 104.3
 85 59.4 45.9 68.9
 99 63.4 49.1 73.7



#56
 Ethyl methacrylate
 Concen: 48.107 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion: 69 Resp: 415646
 Ion Ratio Lower Upper
 69 100
 41 66.8 47.5 71.3
 39 32.4 23.4 35.0

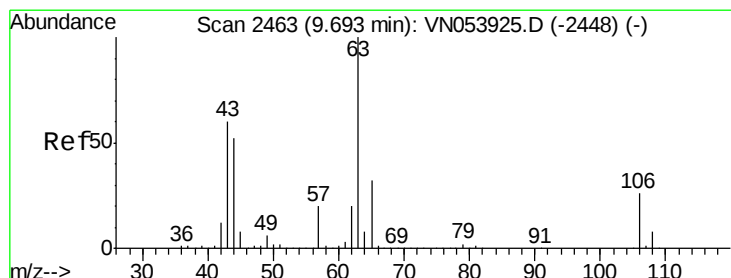
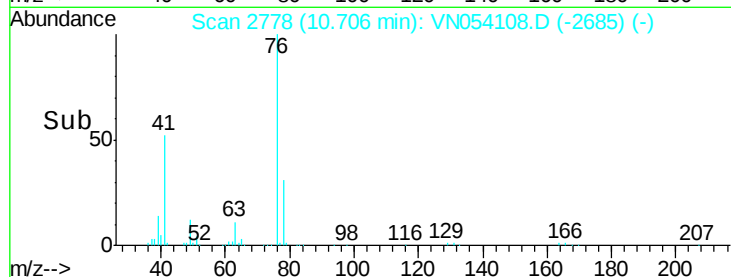
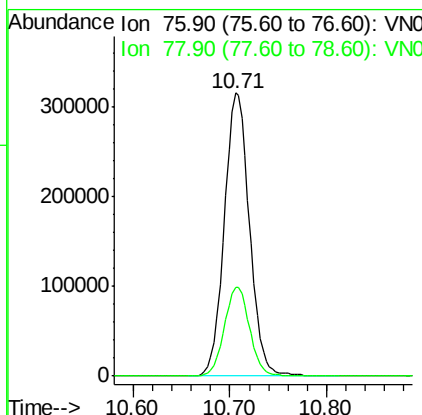
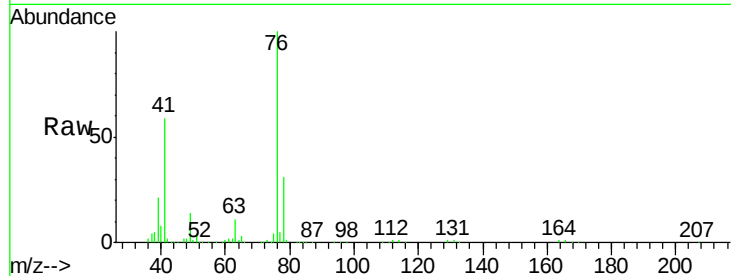




#57
 1,3-Dichloropropane
 Concen: 51.059 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

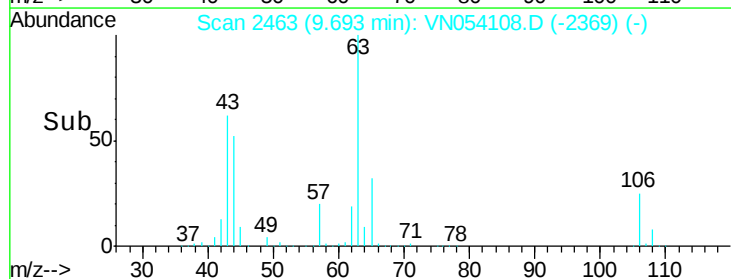
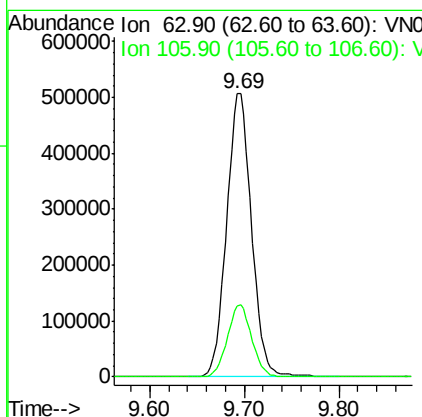
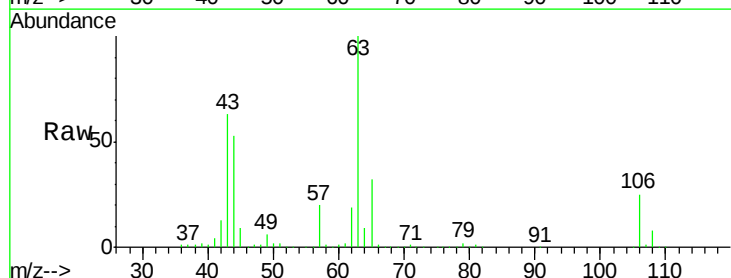
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

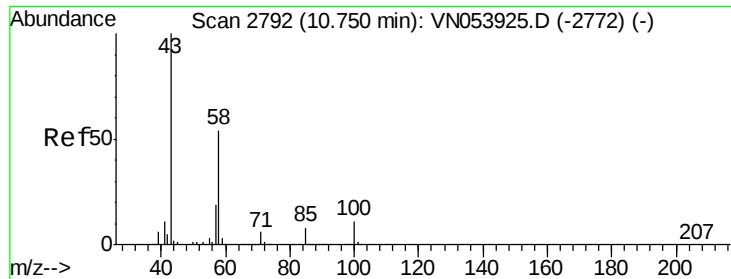
Tot Ion: 76 Resp: 569391
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.876 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion: 63 Resp: 925771
 Ion Ratio Lower Upper
 63 100
 106 24.9 22.2 33.2

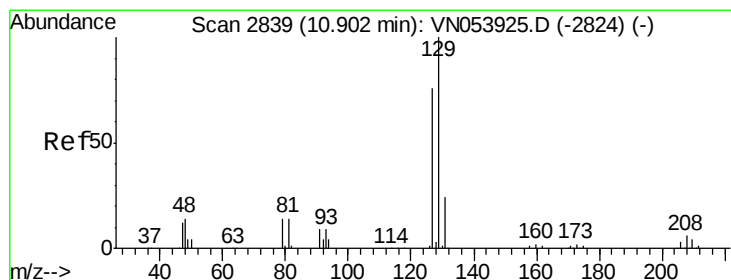
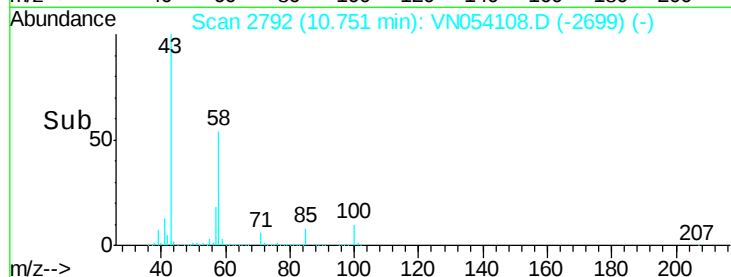
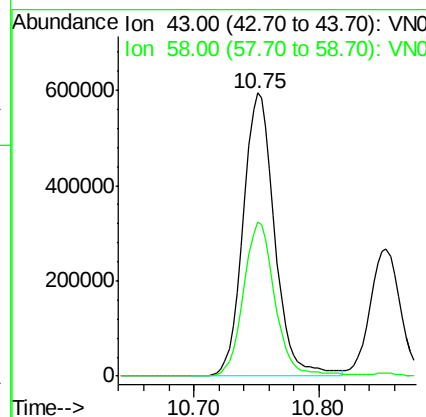
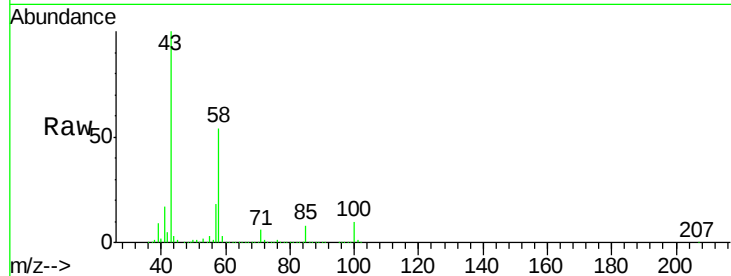




#59
2-Hexanone
Concen: 262.923 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

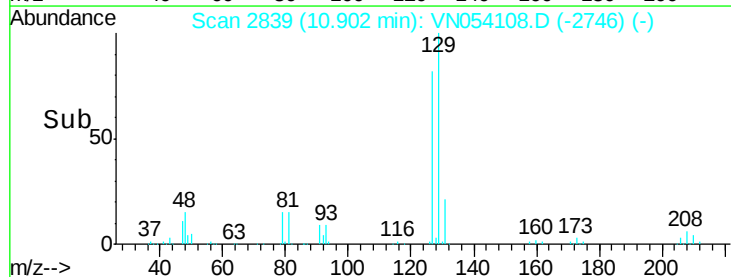
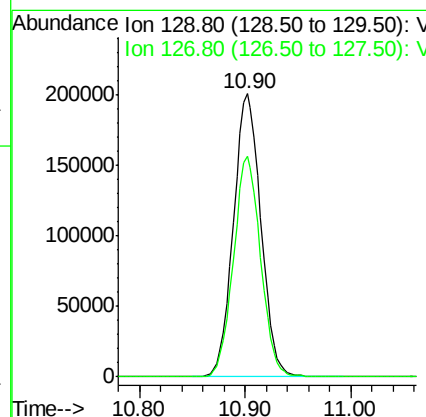
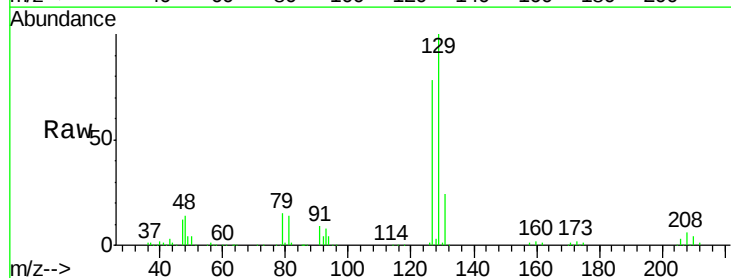
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

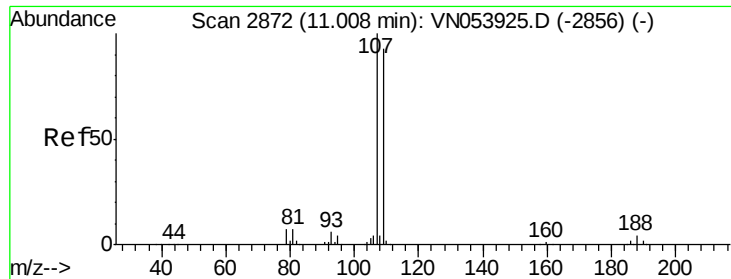
Tot Ion: 43 Resp: 1034974
Ion Ratio Lower Upper
43 100
58 54.6 29.1 87.4



#60
Dibromochloromethane
Concen: 49.191 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 129 Resp: 360814
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.514 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

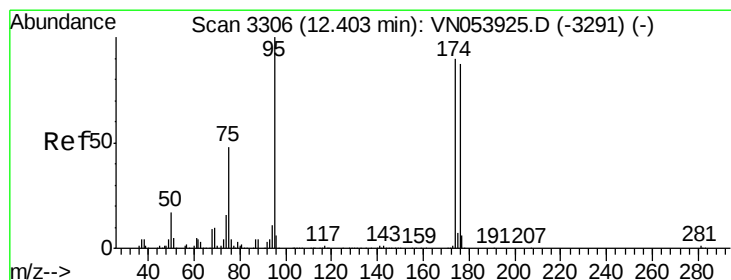
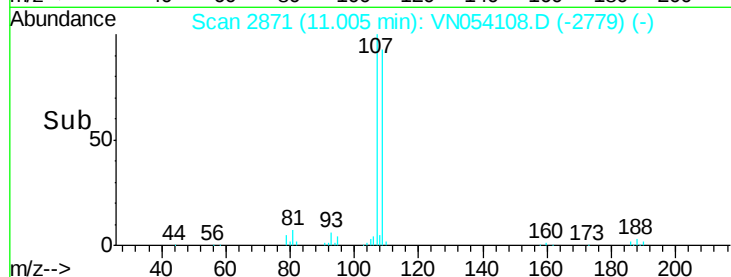
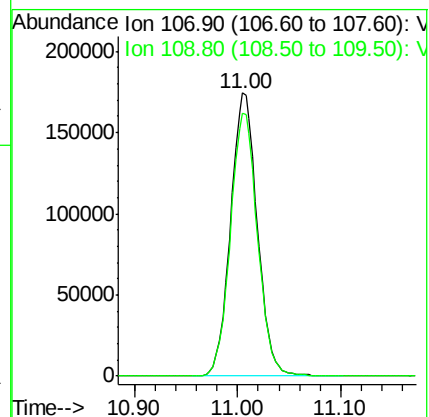
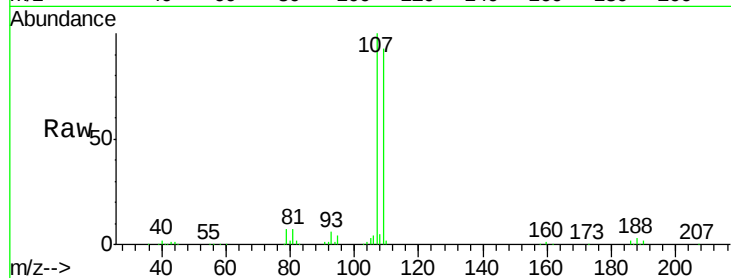
VSTDCCC050EC

Tot Ion:107 Resp: 315241

Ion Ratio Lower Upper

107 100

109 94.4 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 50.305 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

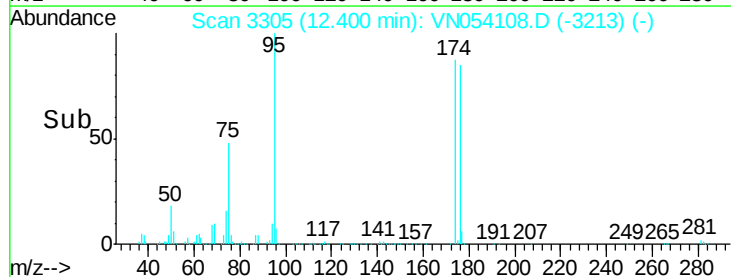
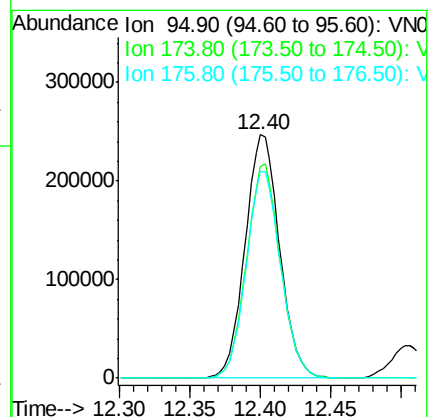
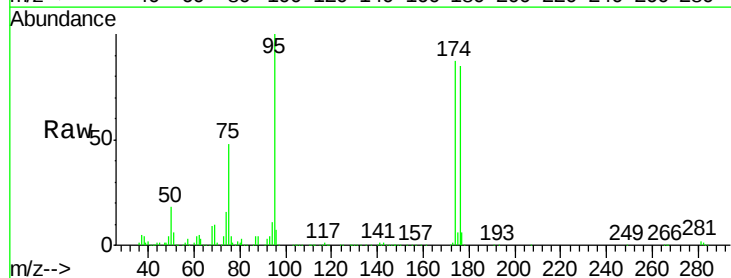
Tgt Ion: 95 Resp: 423849

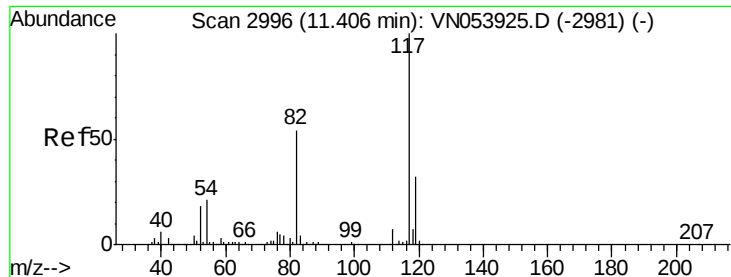
Ion Ratio Lower Upper

95 100

174 86.7 0.0 188.8

176 84.9 0.0 182.6

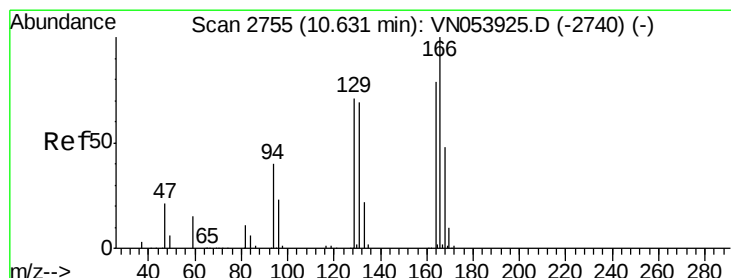
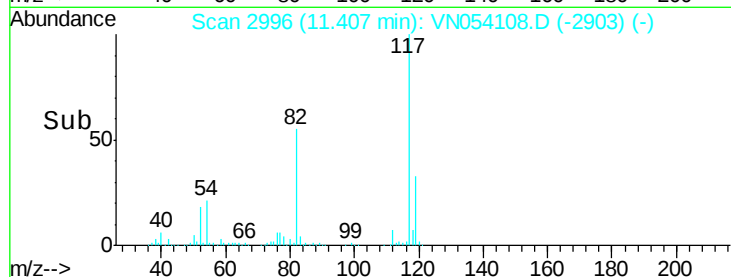
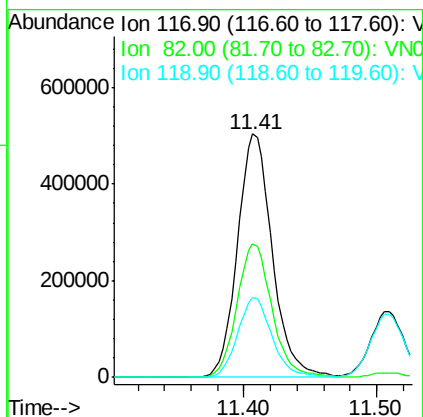
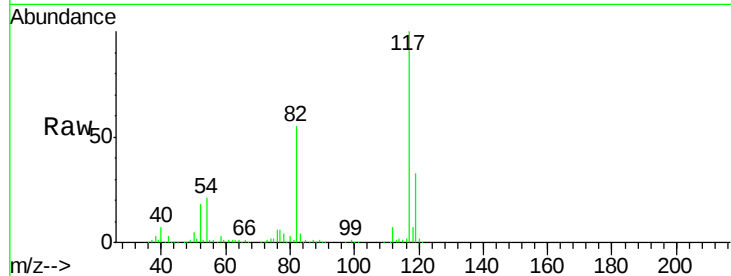




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

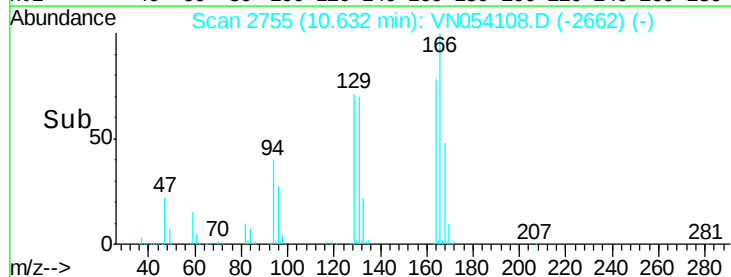
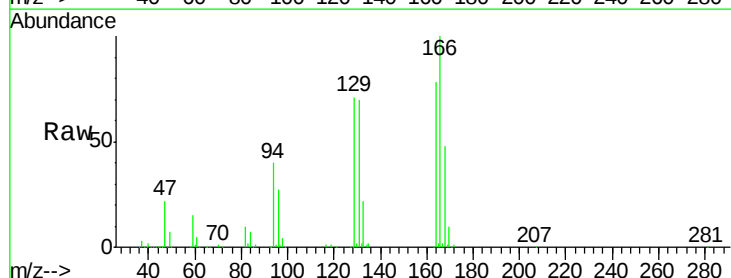
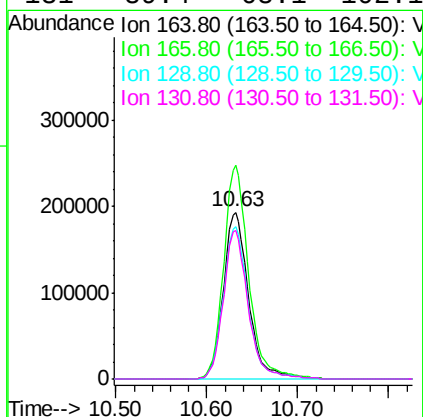
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

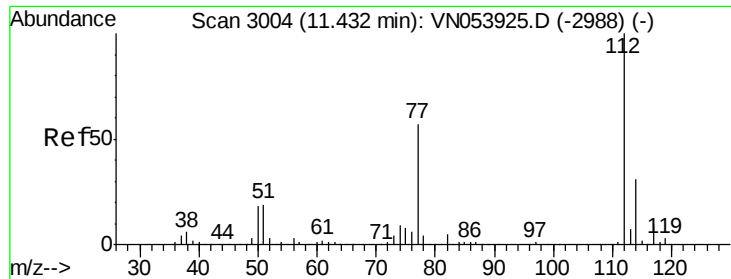
Tot Ion:117 Resp: 920004
Ion Ratio Lower Upper
117 100
82 55.1 41.4 62.2
119 32.7 25.3 37.9



#64
Tetrachloroethene
Concen: 47.625 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion:164 Resp: 371021
Ion Ratio Lower Upper
164 100
166 128.1 102.6 153.8
129 91.1 69.4 104.0
131 89.4 68.1 102.1

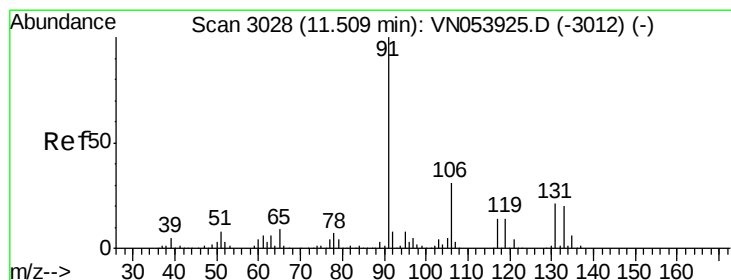
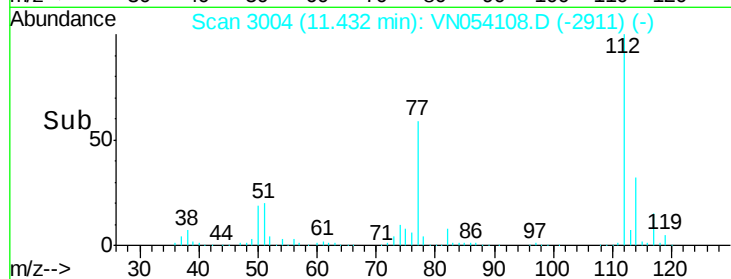
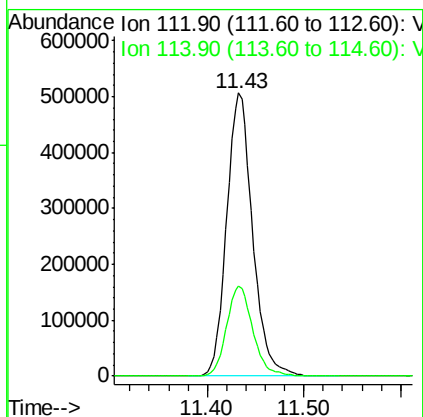
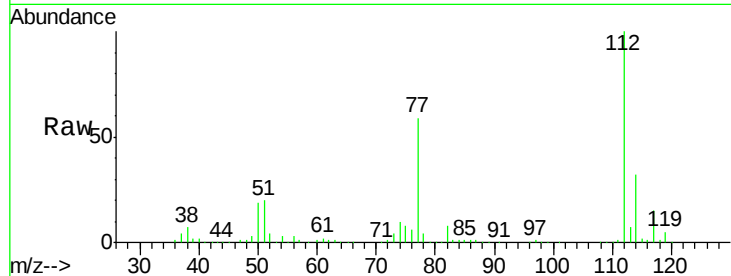




#65
Chlorobenzene
Concen: 48.497 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

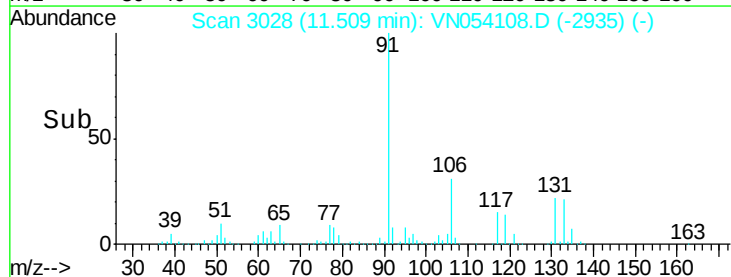
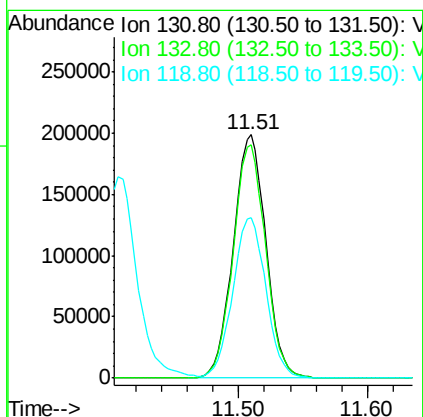
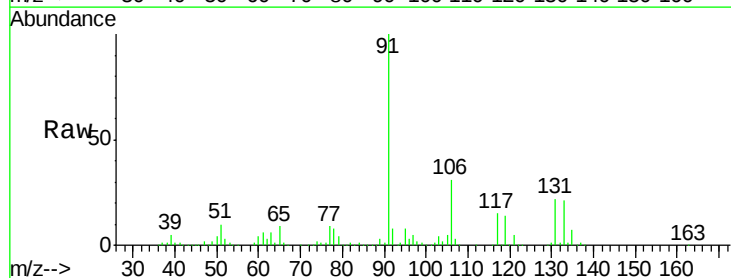
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

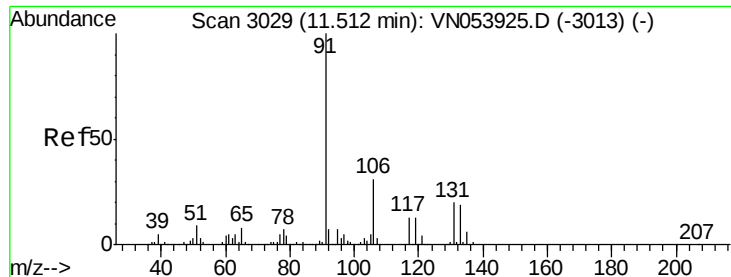
Tot Ion:112 Resp: 941631
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.912 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion:131 Resp: 349273
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 66.8 33.1 99.3

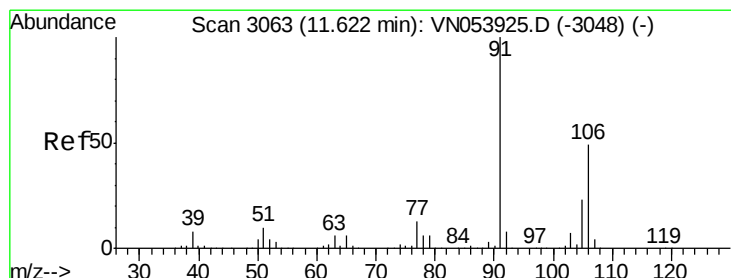
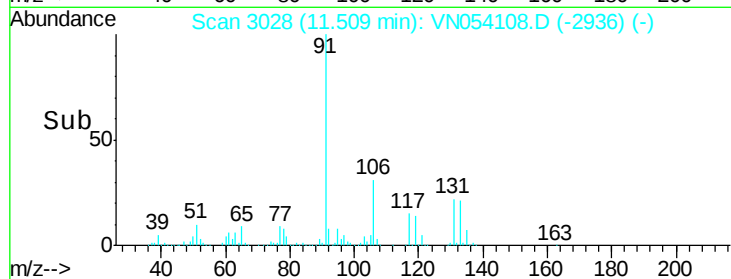
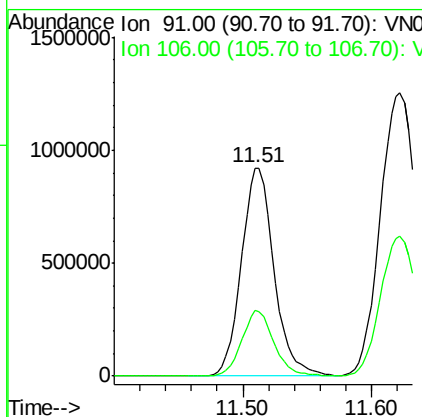
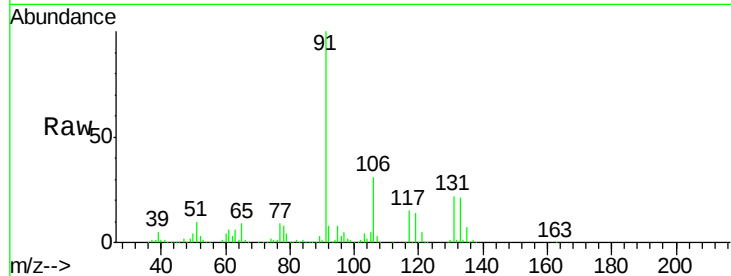




#67
Ethyl Benzene
Concen: 50.018 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

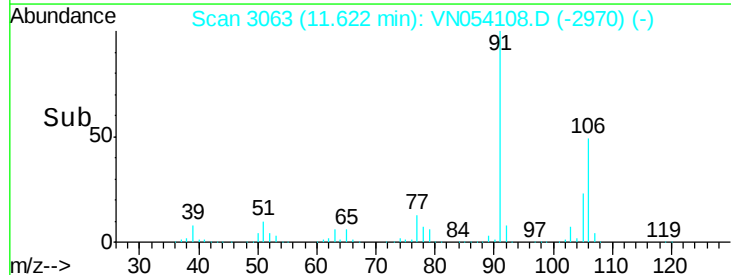
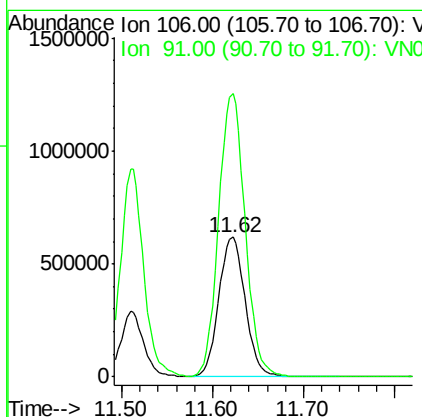
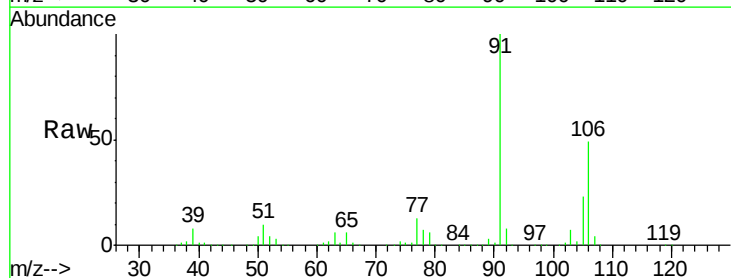
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

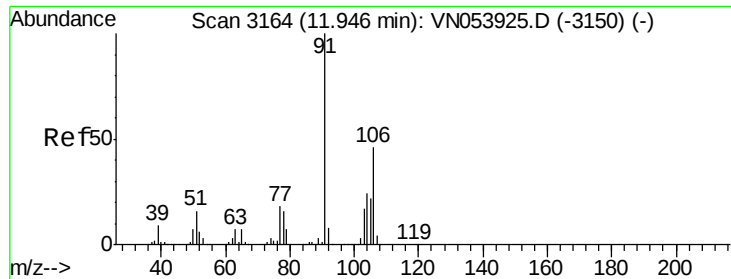
Tot Ion: 91 Resp: 1628105
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8



#68
m/p-Xylenes
Concen: 101.668 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 106 Resp: 1249015
Ion Ratio Lower Upper
106 100
91 203.1 158.9 238.3

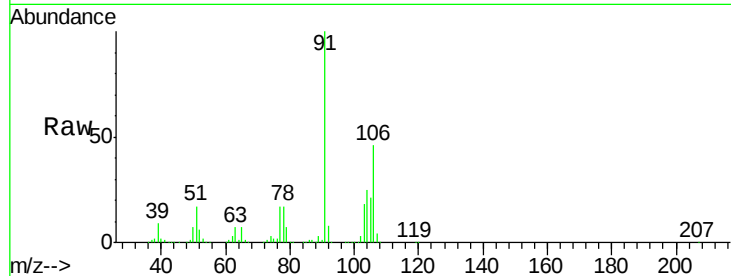




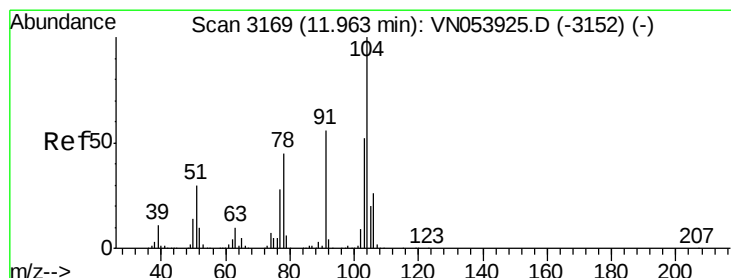
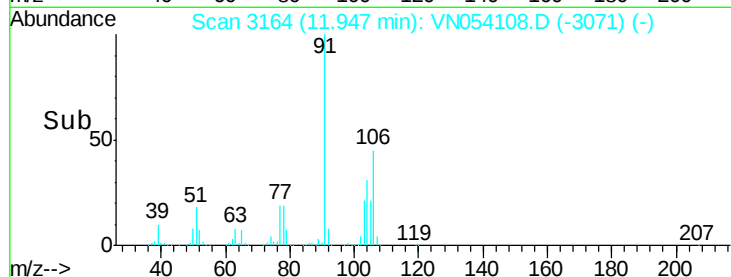
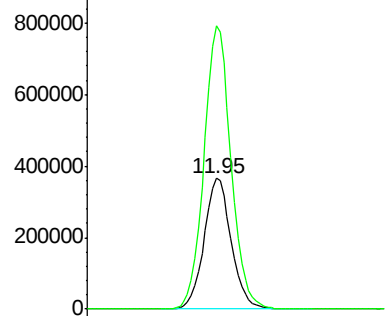
#69
o-Xylene
Concen: 50.225 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 606274
Ion Ratio Lower Upper
106 100
91 216.3 106.0 318.0

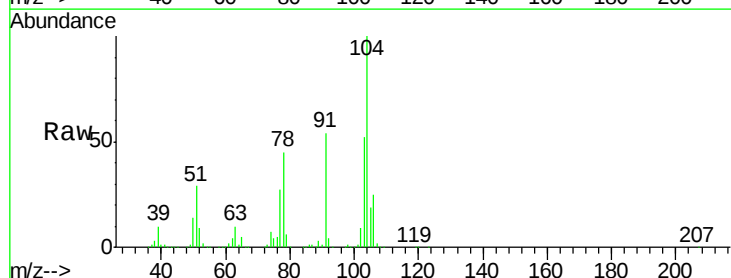


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

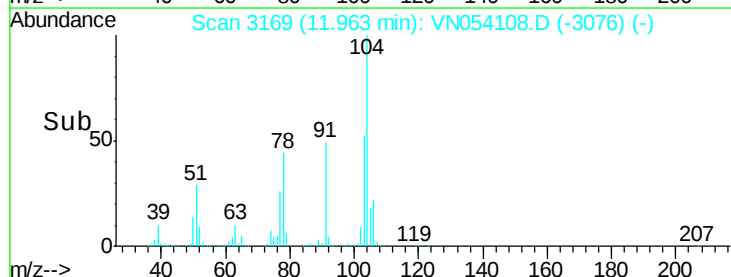
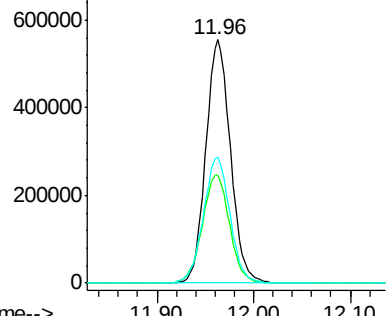


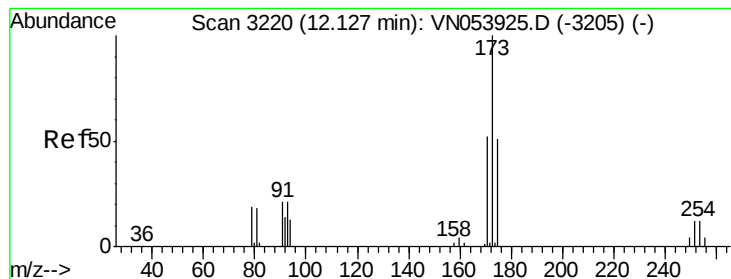
#70
Styrene
Concen: 52.870 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion:104 Resp: 981625
Ion Ratio Lower Upper
104 100
78 49.1 38.1 57.1
103 55.8 44.6 67.0



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





#71

Bromoform

Concen: 49.178 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

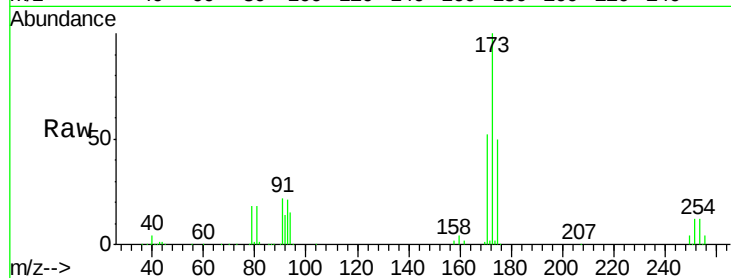
Tot Ion:173 Resp: 239410

Ion Ratio Lower Upper

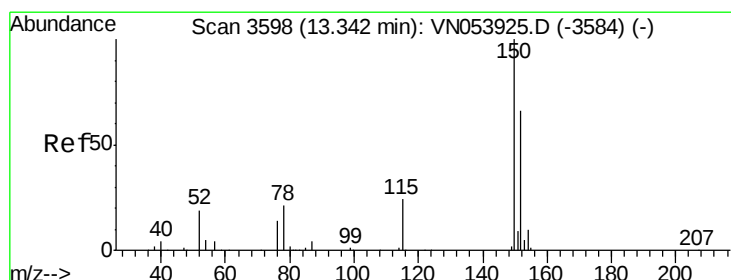
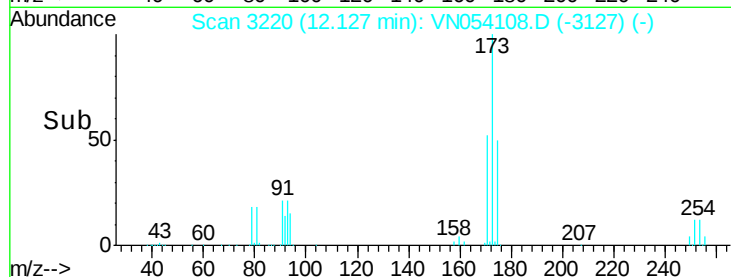
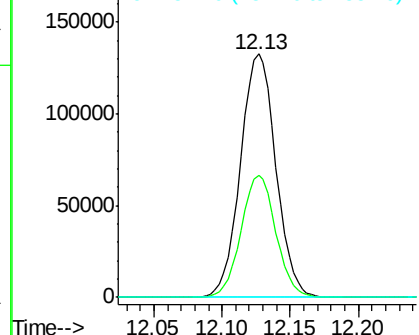
173 100

175 49.0 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: VN054108.D

Acq: 5 Mar 2019 19:15

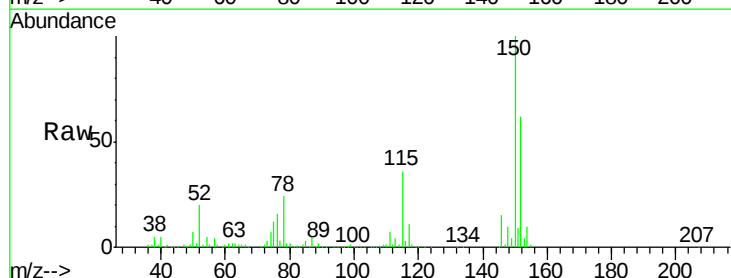
Tgt Ion:152 Resp: 416825

Ion Ratio Lower Upper

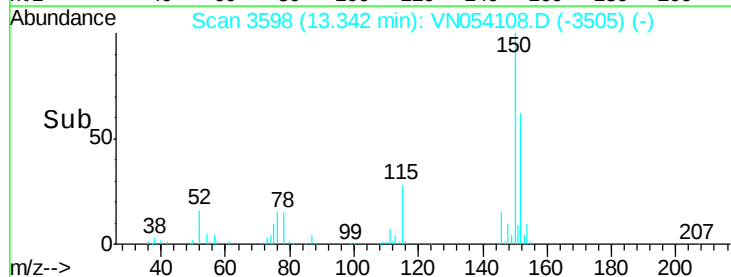
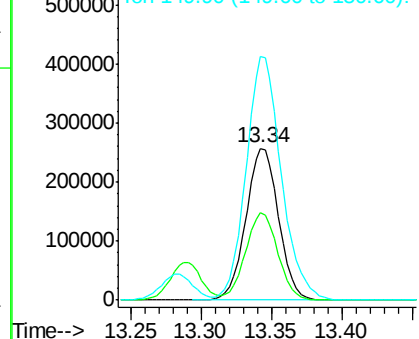
152 100

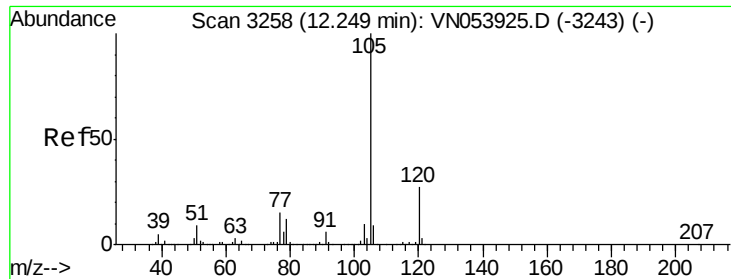
115 57.0 27.2 81.6

150 172.8 0.0 348.2



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





#73

Isopropylbenzene

Concen: 48.727 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

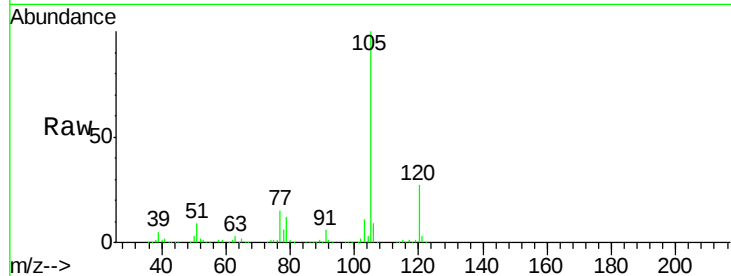
VSTDCCC050EC

Tot Ion:105 Resp: 1581034

Ion Ratio Lower Upper

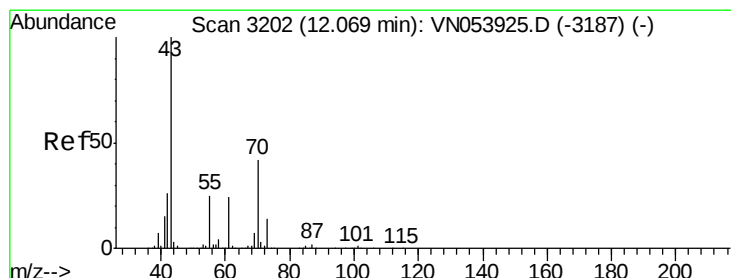
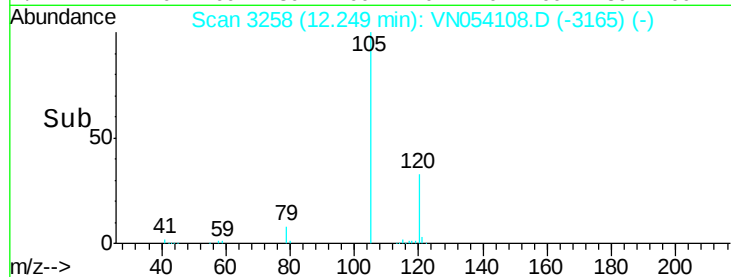
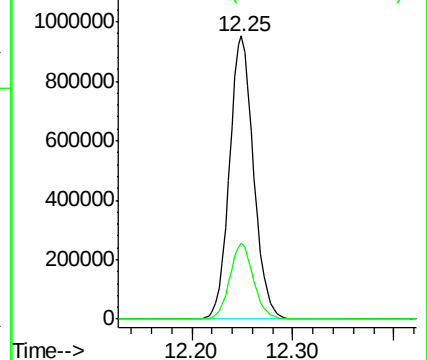
105 100

120 26.5 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: 53.798 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Tgt Ion: 43 Resp: 457509

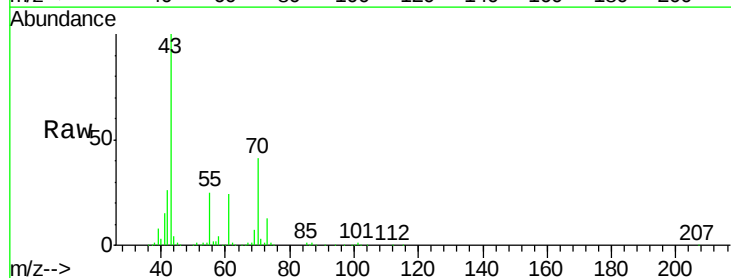
Ion Ratio Lower Upper

43 100

70 41.6 37.4 56.2

55 25.6 21.4 32.0

61 24.0 20.9 31.3

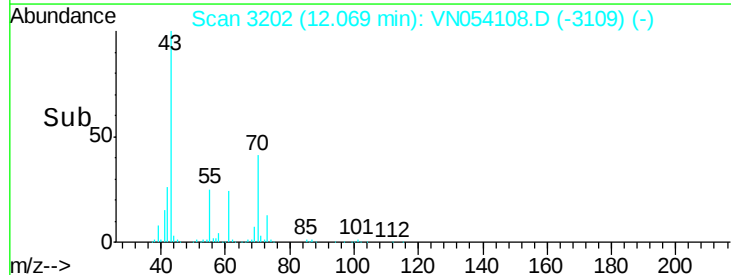
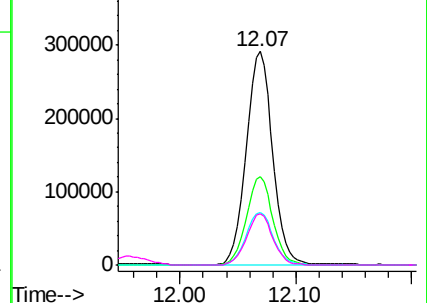


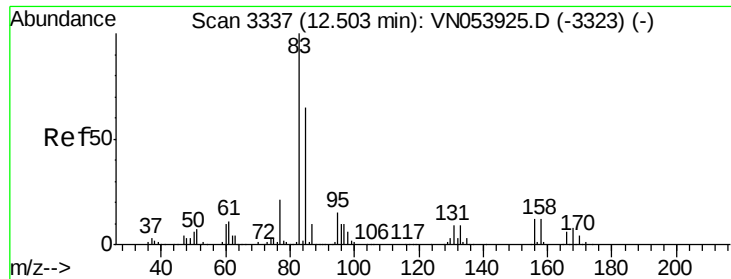
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.146 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

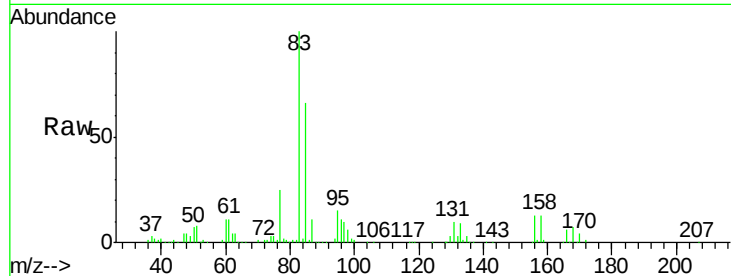
Tot Ion: 83 Resp: 390652

Ion Ratio Lower Upper

83 100

131 10.0 5.3 16.1

85 64.4 31.9 95.9

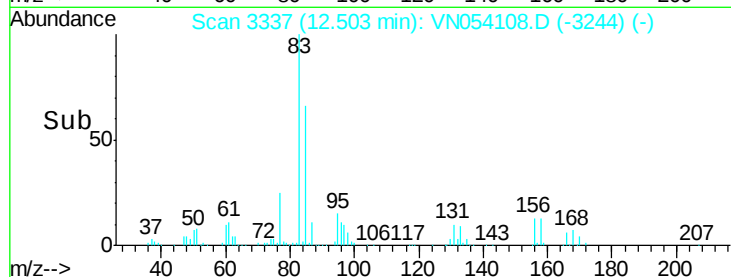


Abundance Ion 82.90 (82.60 to 83.60): VN053925.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN053925.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN053925.D (-3323) (-)

Time-->

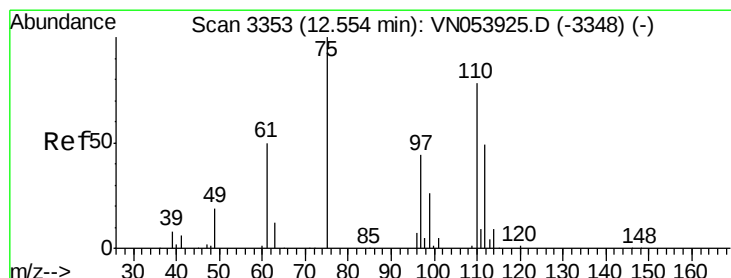


Abundance Ion 82.90 (82.60 to 83.60): VN054108.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054108.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054108.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 72.657 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054108.D

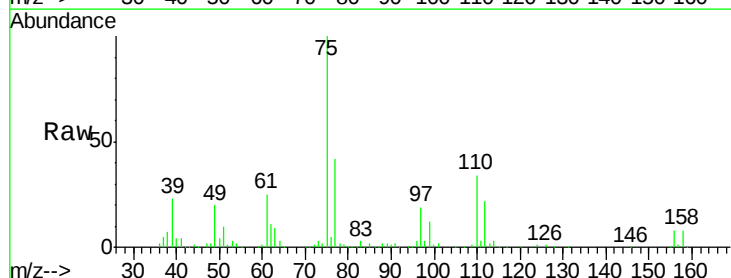
Acq: 5 Mar 2019 19:15

Tgt Ion: 75 Resp: 485828

Ion Ratio Lower Upper

75 100

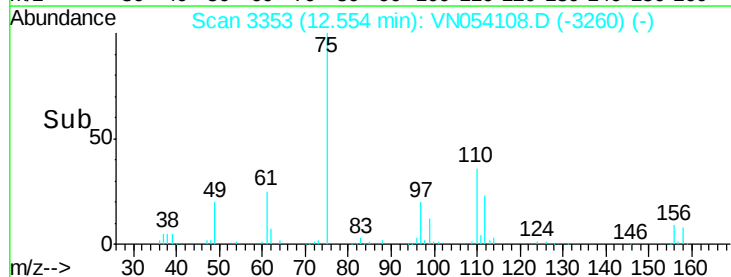
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053925.D (-3348) (-)

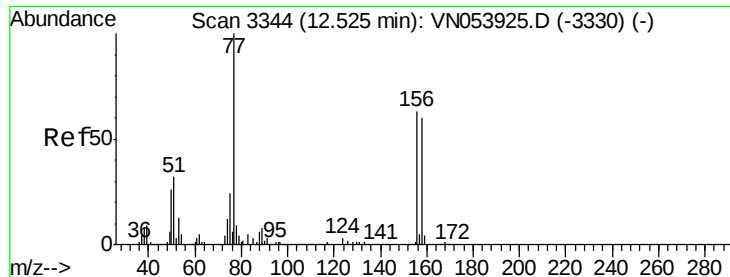
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN054108.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054108.D (-3260) (-)

Time-->



#77

Bromobenzene

Concen: 48.137 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

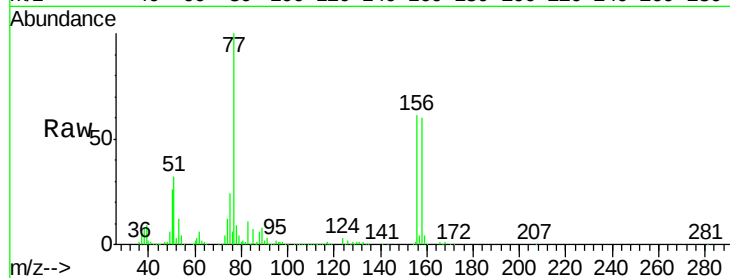
Tot Ion:156 Resp: 396557

Ion	Ratio	Lower	Upper
156	100		
77	187.5	84.0	252.2
158	97.6	48.5	145.6

156 100

77 187.5 84.0 252.2

158 97.6 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

500000

400000

300000

200000

100000

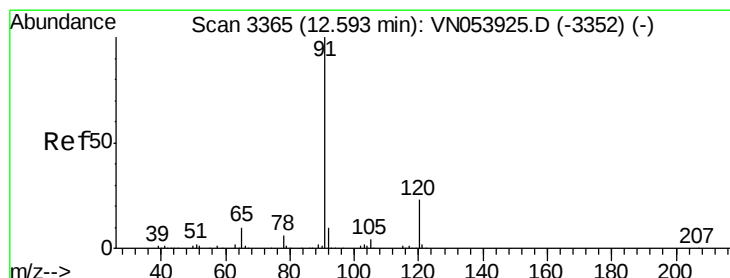
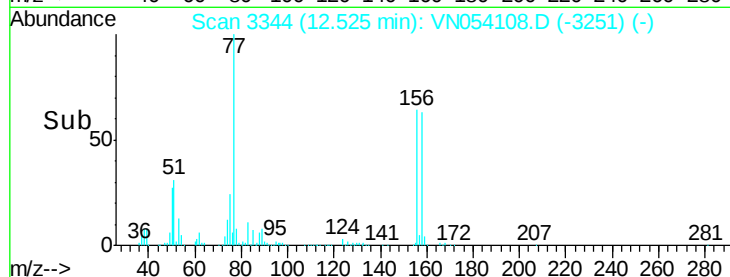
0

12.50

12.53

12.60

Time-->



#78

n-propylbenzene

Concen: 49.910 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054108.D

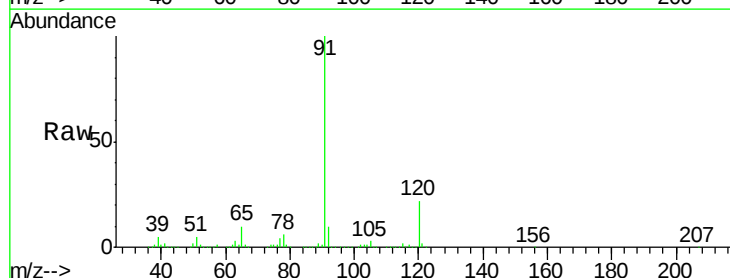
Acq: 5 Mar 2019 19:15

Tgt Ion: 91 Resp: 1841725

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.9	35.9

91 100

120 22.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

1000000

500000

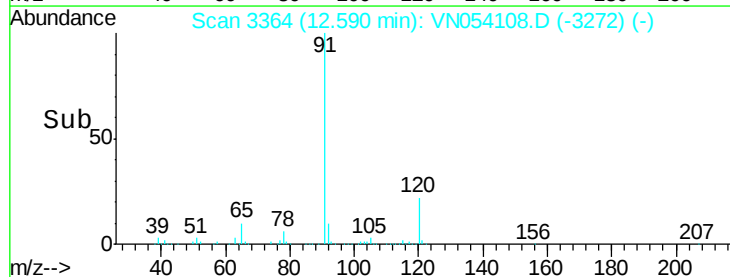
0

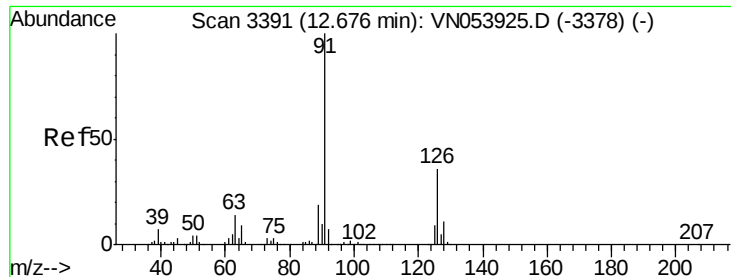
12.55

12.59

12.65

Time-->





#79

2-Chlorotoluene

Concen: 49.143 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

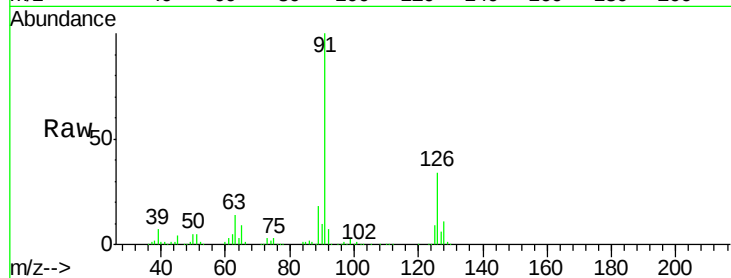
VSTDCCC050EC

Tot Ion: 91 Resp: 1089363

Ion Ratio Lower Upper

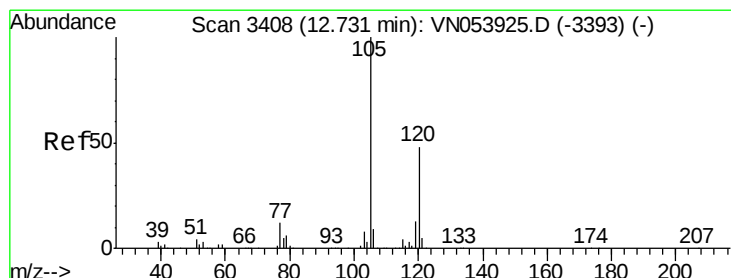
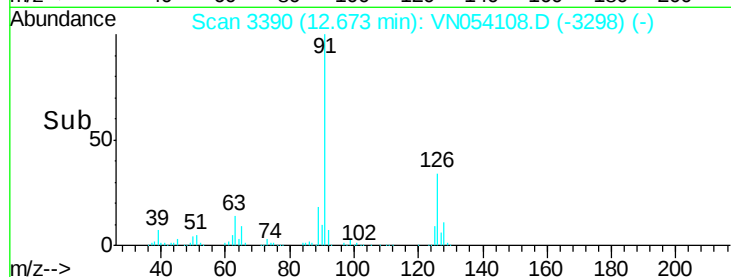
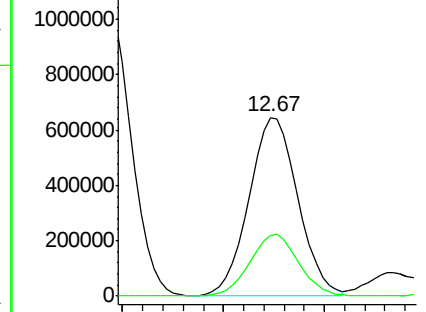
91 100

126 34.8 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN054108.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN054108.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.493 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054108.D

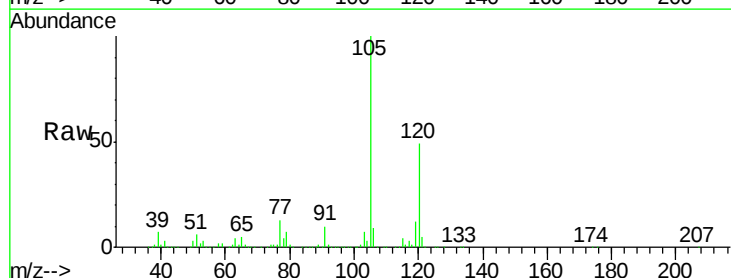
Acq: 5 Mar 2019 19:15

Tgt Ion:105 Resp: 1341250

Ion Ratio Lower Upper

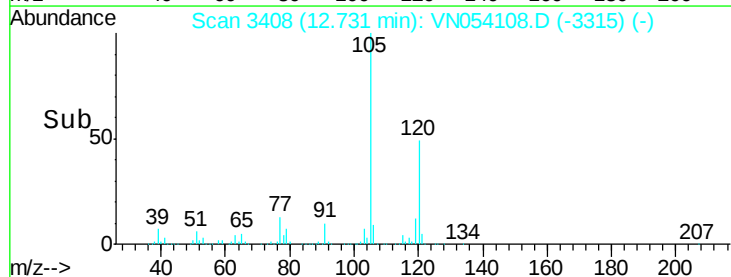
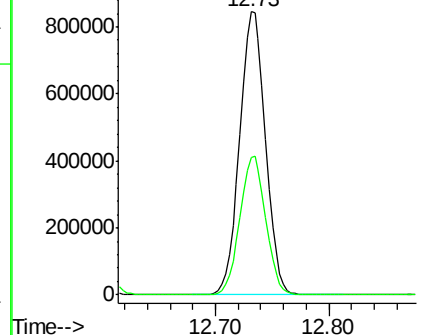
105 100

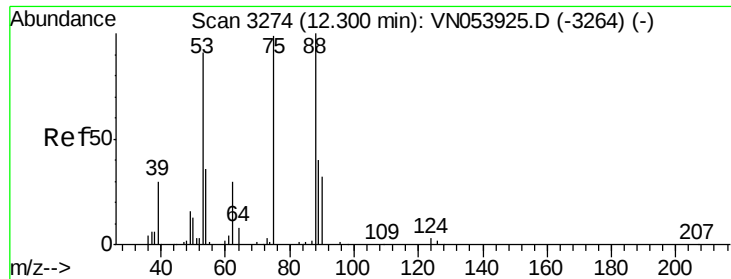
120 49.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN054108.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN054108.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.438 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

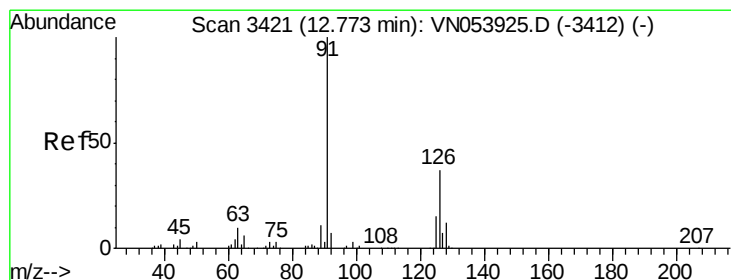
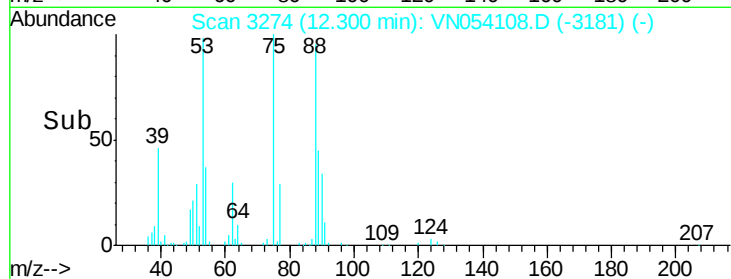
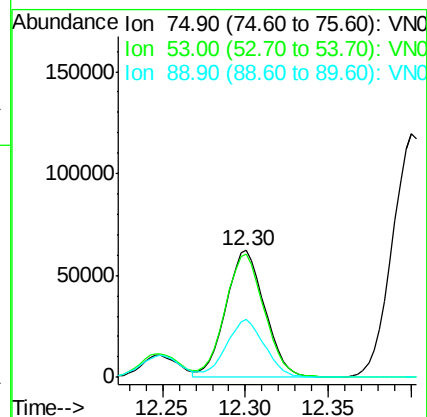
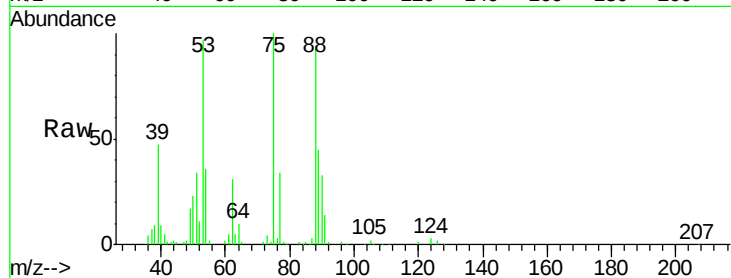
Tot Ion: 75 Resp: 102476

Ion Ratio Lower Upper

75 100

53 97.8 68.6 102.8

89 44.4 35.3 52.9



#82

4-Chlorotoluene

Concen: 50.317 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054108.D

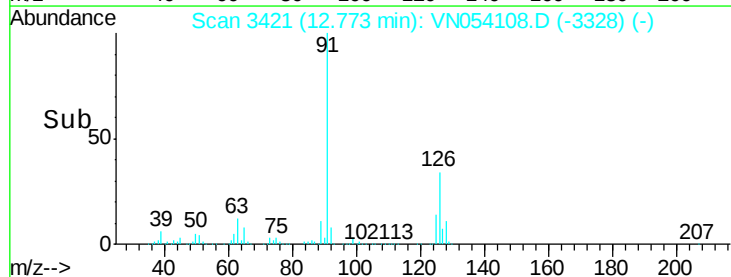
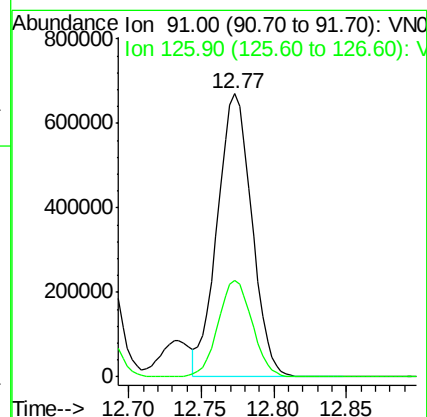
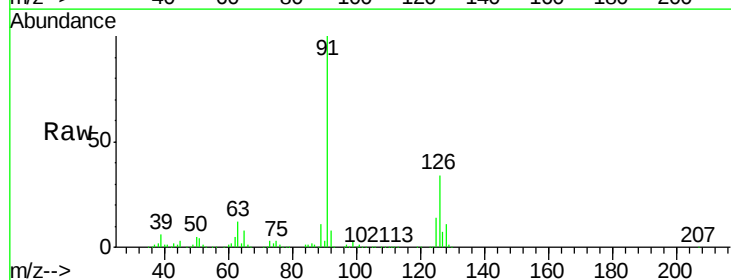
Acq: 5 Mar 2019 19:15

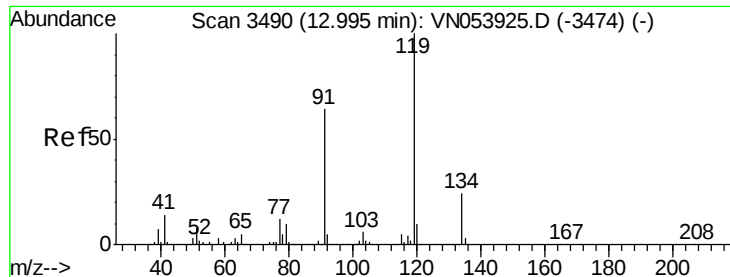
Tgt Ion: 91 Resp: 1102358

Ion Ratio Lower Upper

91 100

126 33.8 18.0 54.0

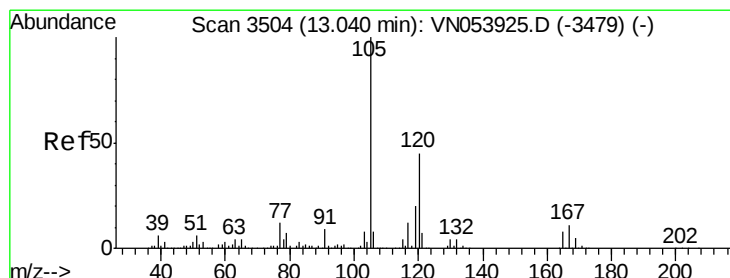
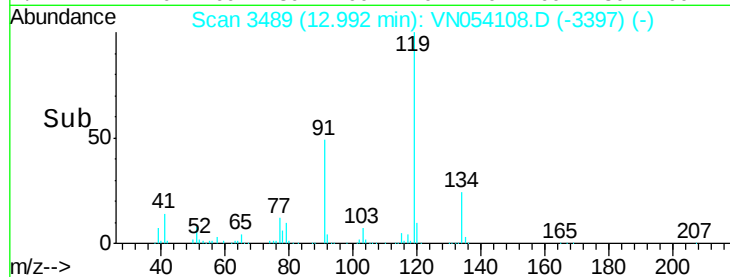
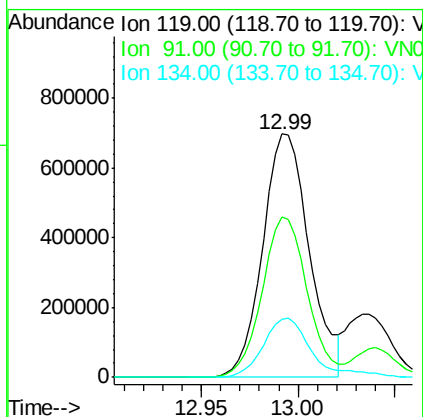
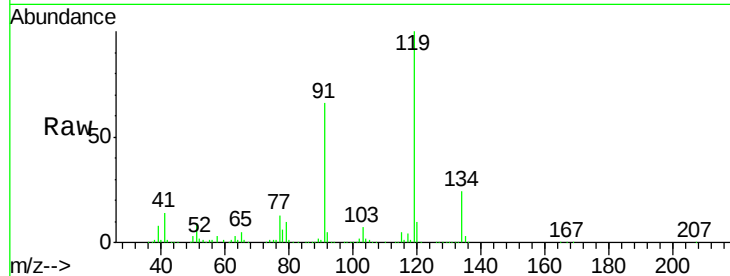




#83
tert-Butylbenzene
Concen: 49.940 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

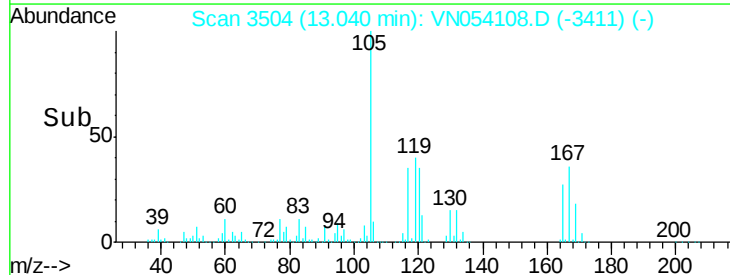
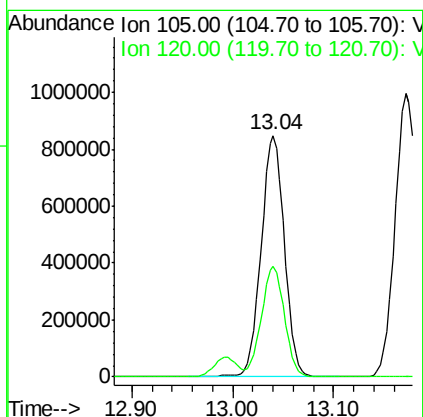
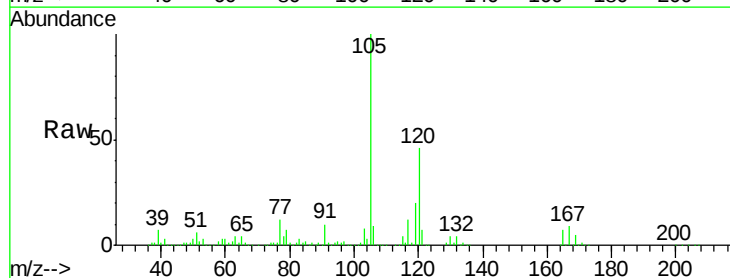
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

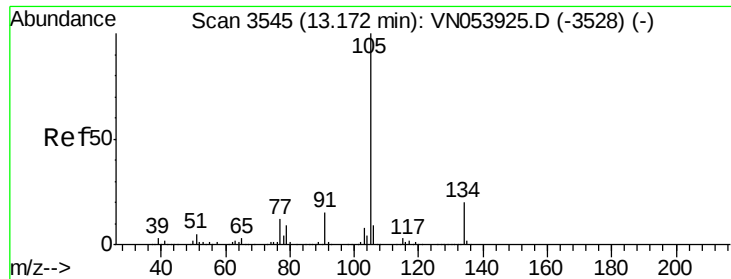
Tot Ion:119 Resp: 1173267
Ion Ratio Lower Upper
119 100
91 63.4 30.6 91.8
134 25.4 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 51.153 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion:105 Resp: 1356543
Ion Ratio Lower Upper
105 100
120 45.4 23.2 69.5





#85

sec-Butylbenzene

Concen: 48.617 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

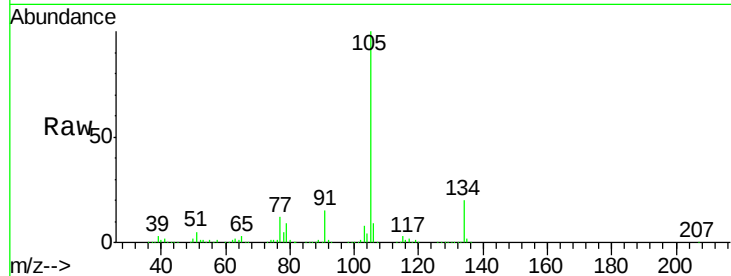
VSTDCCC050EC

Tot Ion:105 Resp: 1560044

Ion Ratio Lower Upper

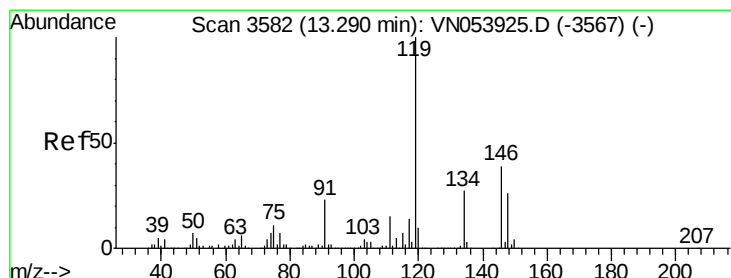
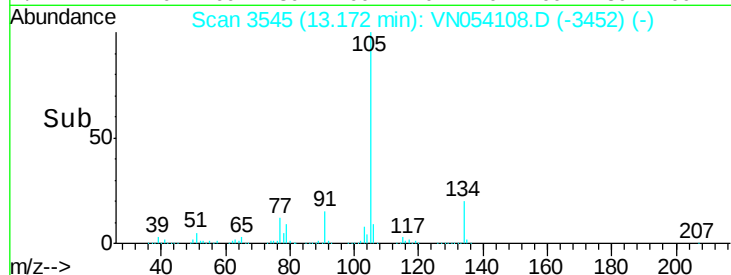
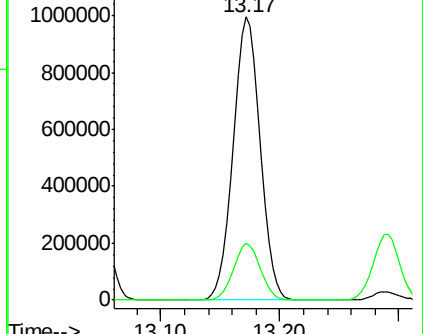
105 100

134 20.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.831 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

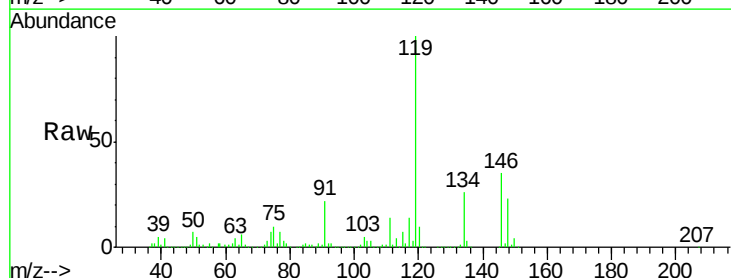
Tgt Ion:119 Resp: 1351752

Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

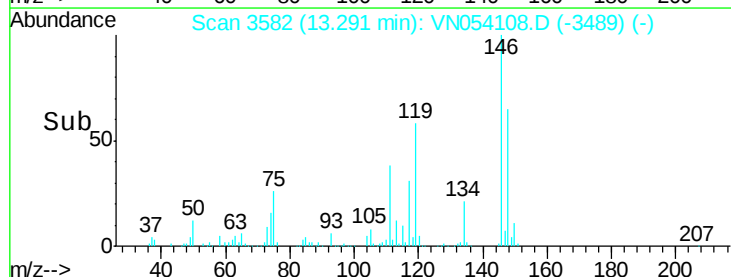
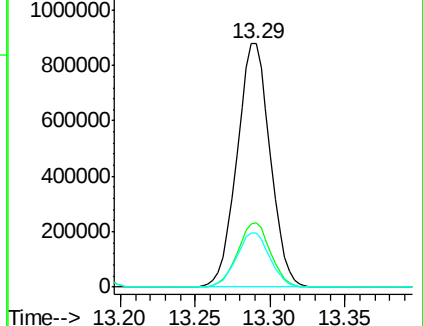
91 22.6 10.9 32.6

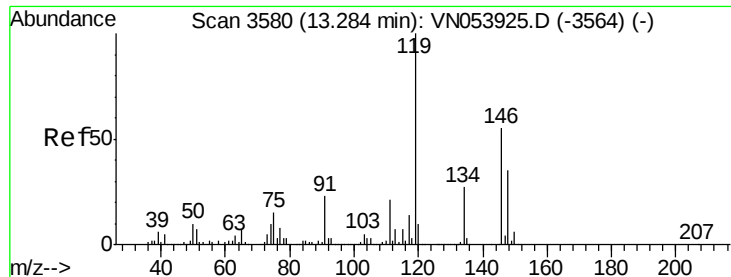


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

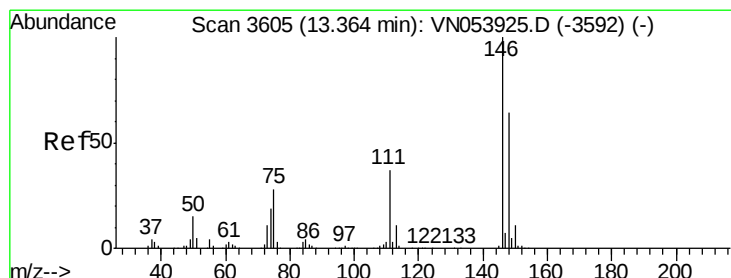
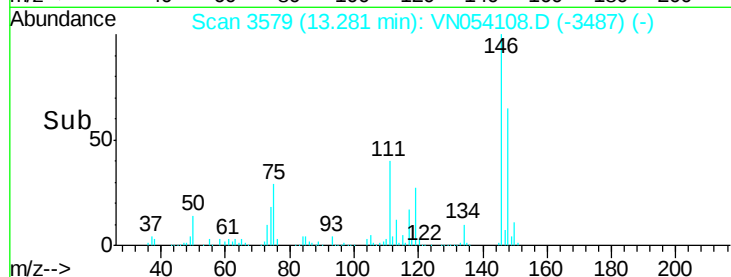
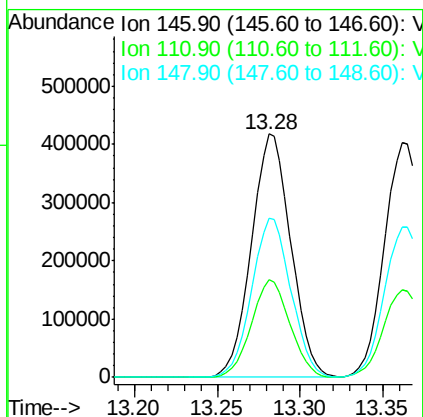
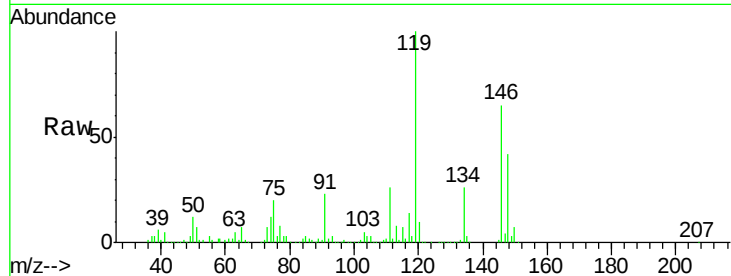




#87
 1,3-Dichlorobenzene
 Concen: 48.425 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

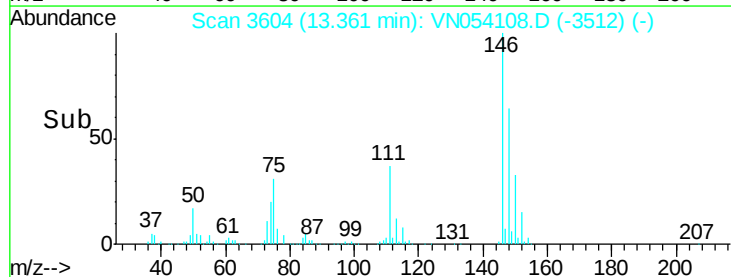
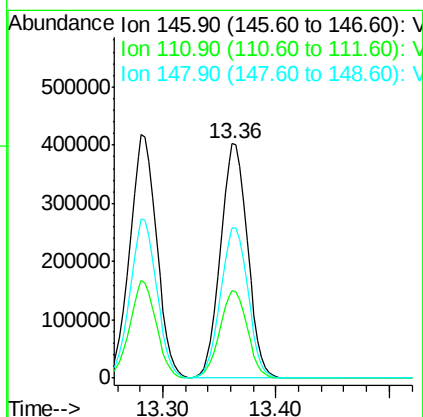
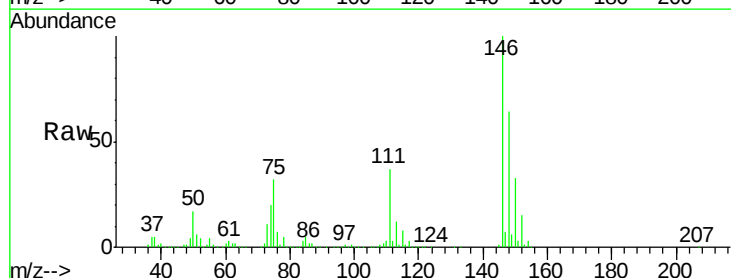
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

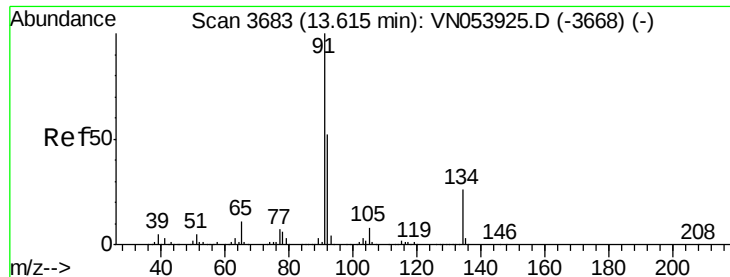
Tot Ion:146 Resp: 690104
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.7 56.1
 148 65.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 48.433 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion:146 Resp: 669638
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.0 54.0
 148 65.1 32.1 96.5

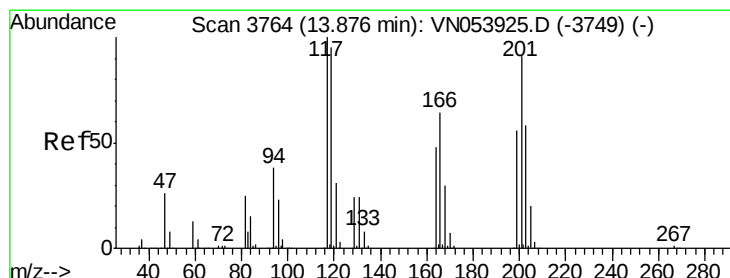
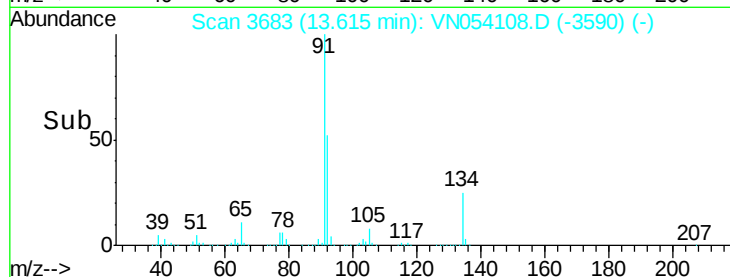
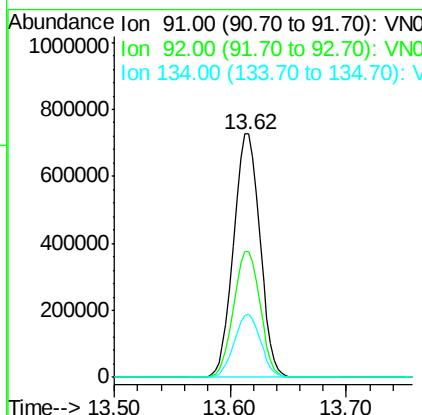
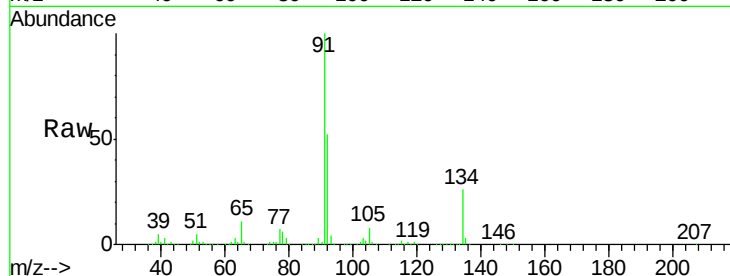




#89
n-Butylbenzene
Concen: 49.777 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

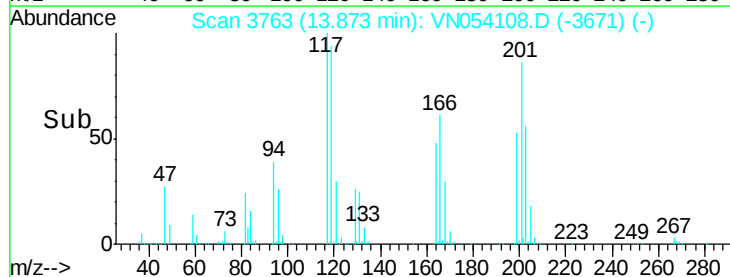
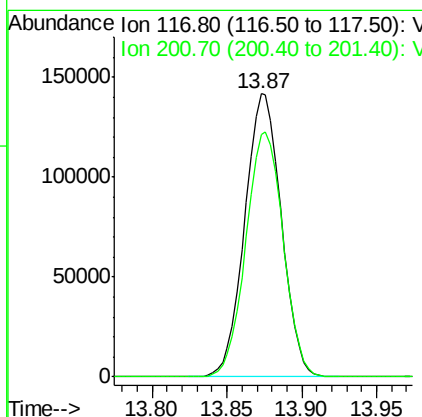
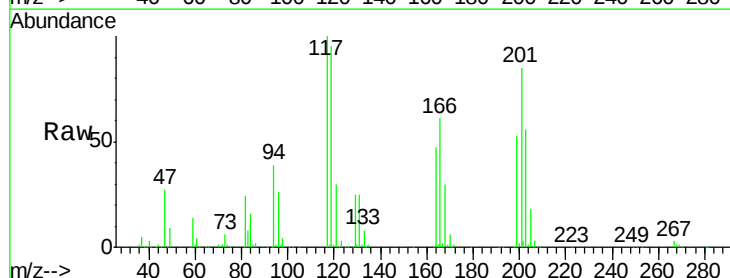
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

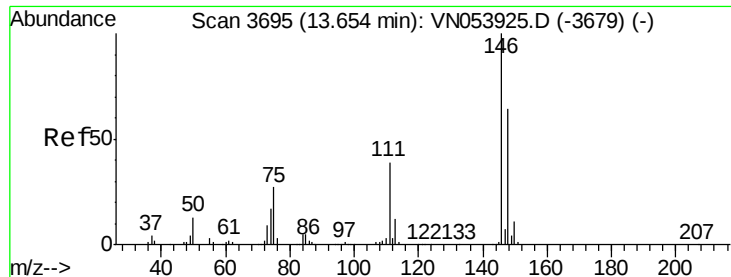
Tot Ion: 91 Resp: 1137965
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 25.9 13.6 40.8



#90
Hexachloroethane
Concen: 45.908 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 117 Resp: 241319
Ion Ratio Lower Upper
117 100
201 88.1 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 49.878 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

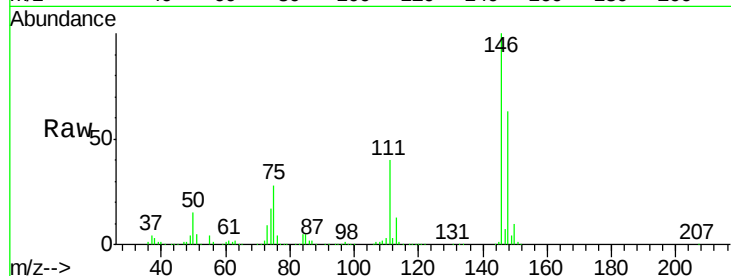
Tot Ion:146 Resp: 688077

Ion Ratio Lower Upper

146 100

111 39.2 19.1 57.5

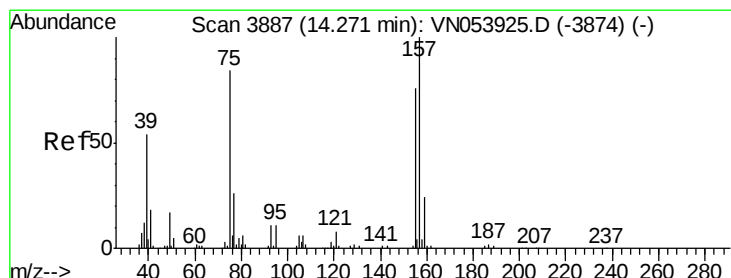
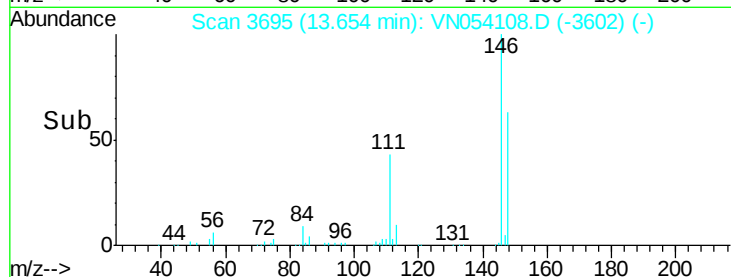
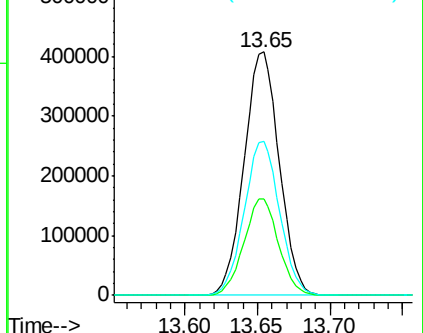
148 63.4 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.062 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

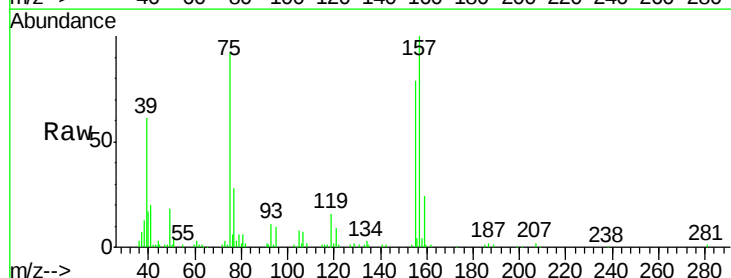
Tgt Ion: 75 Resp: 60843

Ion Ratio Lower Upper

75 100

155 87.0 49.5 148.5

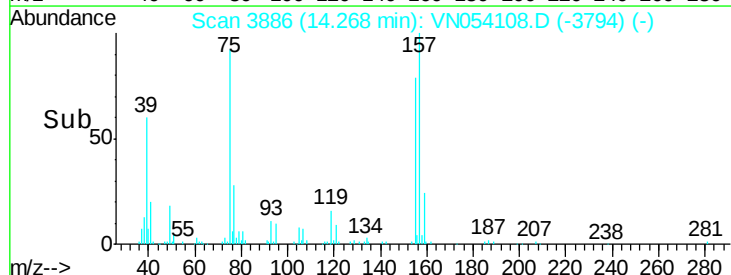
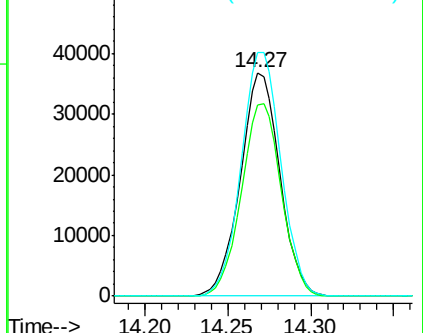
157 109.6 64.8 194.6

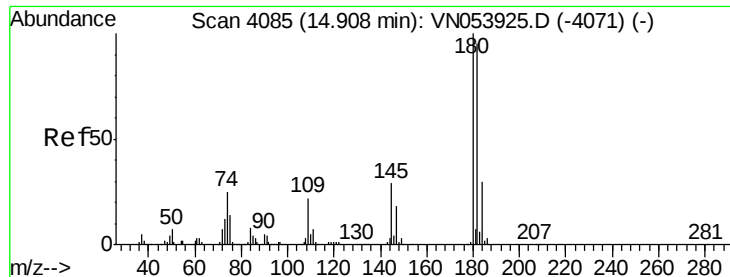


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

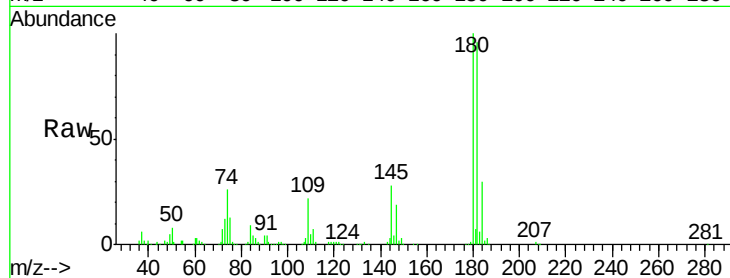




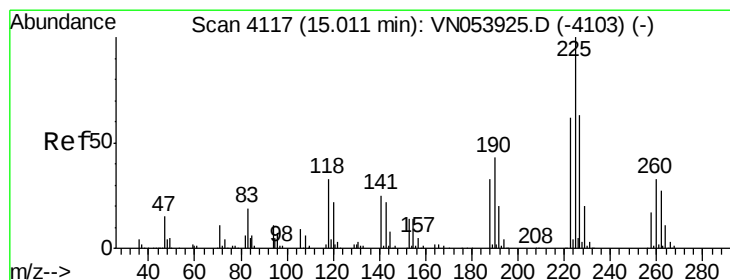
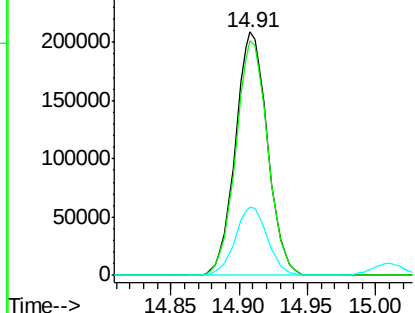
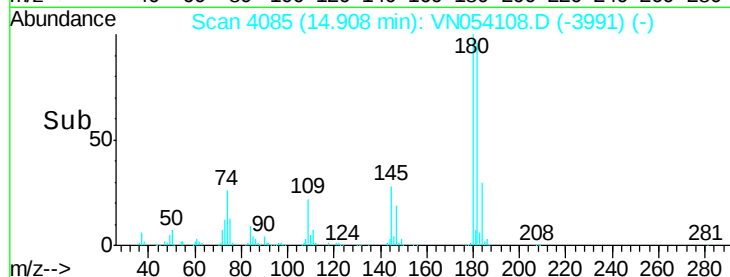
#93
 1,2,4-Trichlorobenzene
 Concen: 44.583 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 339640
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.6 145.9
 145 28.3 13.8 41.3

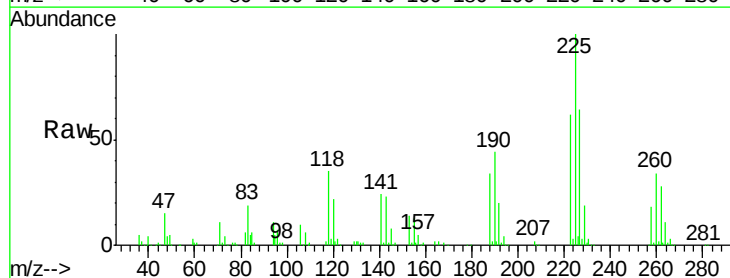


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

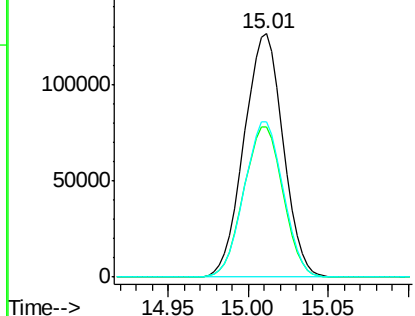
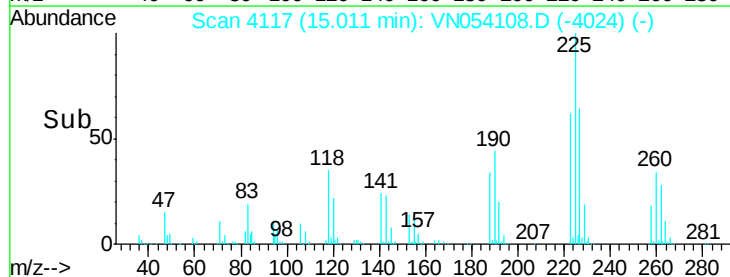


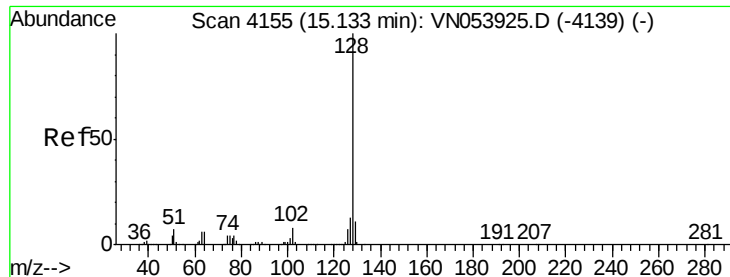
#94
 Hexachlorobutadiene
 Concen: 42.406 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion:225 Resp: 211315
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.9 92.5
 227 63.7 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 43.743 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

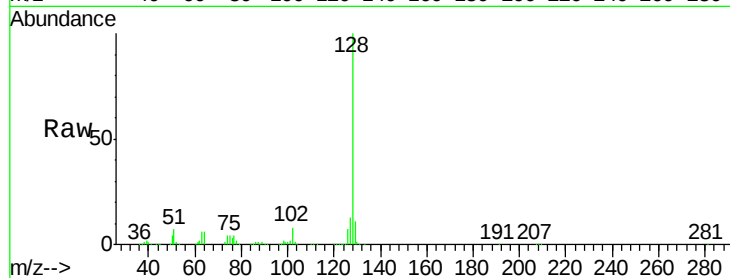
Tot Ion:128 Resp: 714851

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

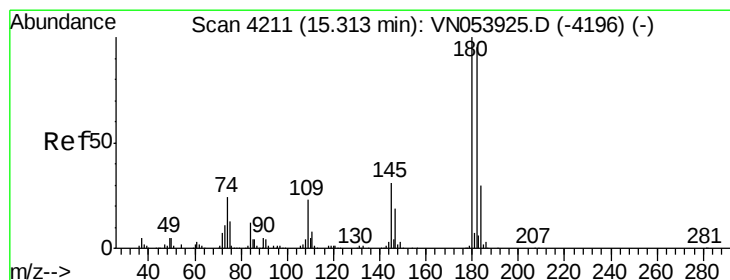
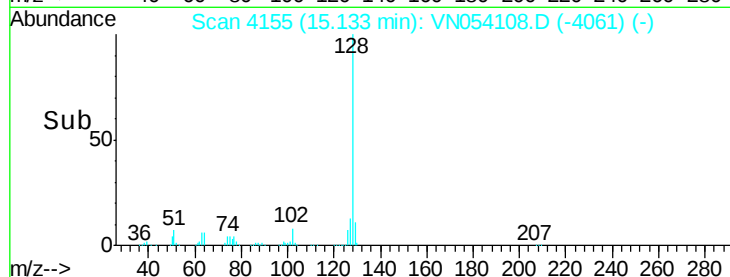
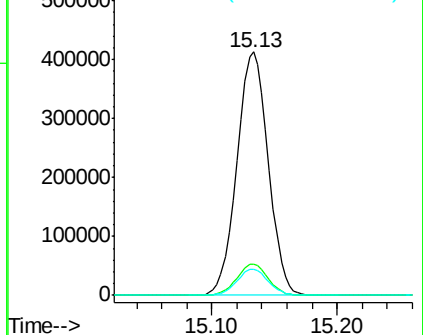
129 10.7 8.6 12.8



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: 45.413 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

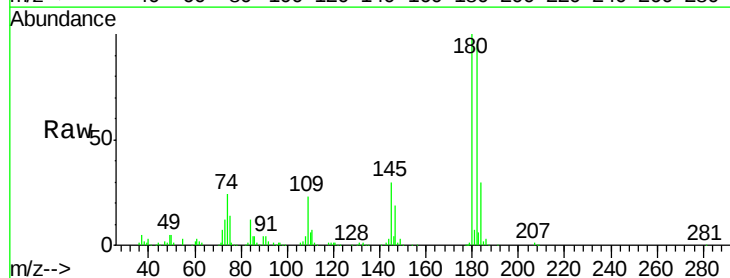
Tgt Ion:180 Resp: 332654

Ion Ratio Lower Upper

180 100

182 95.5 47.3 141.8

145 29.5 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

