

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
 Data File : VN053039.D
 Acq On : 20 Dec 2018 4:37
 Operator : MD\SY
 Sample : J6411-07MS
 Misc : 5.39g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 46 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Quant Time: Dec 20 05:31:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	943742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1491062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1332611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	628656	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	575153	60.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.10%	
35) Dibromofluoromethane	7.59	113	443922	65.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.36%	
50) Toluene-d8	10.09	98	1923956	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.40	95	915735	71.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	415019	43.451	ug/l	100
3) Chloromethane	2.06	50	600443	51.877	ug/l	100
4) Vinyl Chloride	2.19	62	564073	48.121	ug/l	99
5) Bromomethane	2.56	94	385728	47.495	ug/l	99
6) Chloroethane	2.71	64	342113	49.279	ug/l	98
7) Trichlorofluoromethane	3.02	101	658304	45.081	ug/l	100
8) Diethyl Ether	3.41	74	320685	58.212	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	413762	44.440	ug/l	97
10) Methyl Iodide	3.96	142	701206	53.629	ug/l	99
11) Tert butyl alcohol	4.78	59	164441	281.402	ug/l	99
12) 1,1-Dichloroethene	3.74	96	422074	46.923	ug/l	98
13) Acrolein	3.61	56	177516	335.021	ug/l	100
14) Allyl chloride	4.33	41	694233	49.826	ug/l	98
15) Acrylonitrile	4.99	53	936715	288.537	ug/l	100
16) Acetone	3.82	43	580157	308.958	ug/l	96
17) Carbon Disulfide	4.06	76	1153381	39.317	ug/l	99
18) Methyl Acetate	4.32	43	484615	56.725	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1401857	58.237	ug/l	99
20) Methylene Chloride	4.55	84	552859	53.974	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	466186	48.237	ug/l	97
22) Diisopropyl ether	5.95	45	1708104	57.434	ug/l	98
23) Vinyl Acetate	5.90	43	4934429	288.535	ug/l	98
24) 1,1-Dichloroethane	5.85	63	929779	52.611	ug/l	99
25) 2-Butanone	6.83	43	972953	308.738	ug/l	98
26) 2,2-Dichloropropane	6.82	77	509692	37.781	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	569109	52.015	ug/l	97
28) Bromochloromethane	7.19	49	436165	56.956	ug/l	95
29) Tetrahydrofuran	7.21	42	684788	290.944	ug/l	98
30) Chloroform	7.37	83	906249	52.201	ug/l	100
31) Cyclohexane	7.65	56	754755	45.441	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	698950	47.261	ug/l	99
36) 1,1-Dichloropropene	7.80	75	633964	44.297	ug/l	100
37) Ethyl Acetate	6.93	43	452817	56.677	ug/l	98
38) Carbon Tetrachloride	7.77	117	573362	43.708	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	815609	46.913	ug/l	98
40) Benzene	8.04	78	2094554	49.203	ug/l	99
41) Methacrylonitrile	7.18	41	278185	60.262	ug/l	92
42) 1,2-Dichloroethane	8.12	62	661963	52.638	ug/l	99
43) Isopropyl Acetate	8.16	43	862161	55.887	ug/l	99
44) Trichloroethene	8.84	130	566200	45.985	ug/l	98
45) 1,2-Dichloropropane	9.12	63	579879	52.297	ug/l	99
46) Dibromomethane	9.21	93	337948	52.319	ug/l	98
47) Bromodichloromethane	9.40	83	696248	50.708	ug/l	100
48) Methyl methacrylate	9.20	41	423396	54.613	ug/l	98
49) 1,4-Dioxane	9.20	88	100692	1026.751	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	2242536	289.840	ug/l	98
52) Toluene	10.16	92	1256079	47.604	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	696664	48.252	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	812140	49.005	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	641019	69.637	ug/l	98
56) Ethyl methacrylate	10.43	69	813919	66.803	ug/l	96
57) 1,3-Dichloropropane	10.71	76	853275	54.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1891081	282.717	ug/l	98
59) 2-Hexanone	10.75	43	1416455	270.583	ug/l	91
60) Dibromochloromethane	10.90	129	534438	50.720	ug/l	99
61) 1,2-Dibromoethane	11.01	107	497946	53.263	ug/l	99
64) Tetrachloroethene	10.63	164	664983	46.067	ug/l	100
65) Chlorobenzene	11.43	112	1408615	47.685	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	507163	49.371	ug/l	99
67) Ethyl Benzene	11.51	91	2371472	46.681	ug/l	100
68) m/p-Xylenes	11.62	106	1779376	92.136	ug/l	100
69) o-Xylene	11.95	106	863510	46.596	ug/l	96
70) Styrene	11.96	104	1437753	47.579	ug/l	99
71) Bromoform	12.13	173	352916	47.556	ug/l #	100
73) Isopropylbenzene	12.25	105	4247697	86.358	ug/l	99
74) N-amyl acetate	12.05	43	4300336	314.903	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.51	83	917979	95.130	ug/l	86
76) 1,2,3-Trichloropropane	12.55	75	704538	66.574	ug/l #	100
77) Bromobenzene	12.53	156	582427	45.553	ug/l	94
78) n-propylbenzene	12.59	91	4181593	74.645	ug/l	100
79) 2-Chlorotoluene	12.68	91	1565591	45.087	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	1668710	41.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	143301	43.644	ug/l #	62
82) 4-Chlorotoluene	12.77	91	1436990	42.276	ug/l	91
83) tert-Butylbenzene	12.99	119	1828889	51.580	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	6546568	162.433	ug/l	99
85) sec-Butylbenzene	13.17	105	5032985	104.943	ug/l	84
86) p-Isopropyltoluene	13.29	119	2372148	57.242	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	887978	39.240	ug/l #	68
88) 1,4-Dichlorobenzene	13.36	146	882941	38.529	ug/l #	72
89) n-Butylbenzene	13.62	91	3406826	95.557	ug/l #	87
90) Hexachloroethane	13.89	117	616442	96.933	ug/l #	39
91) 1,2-Dichlorobenzene	13.65	146	854541	40.124	ug/l #	64
92) 1,2-Dibromo-3-Chloropropan	14.27	75	93290	55.913	ug/l	78

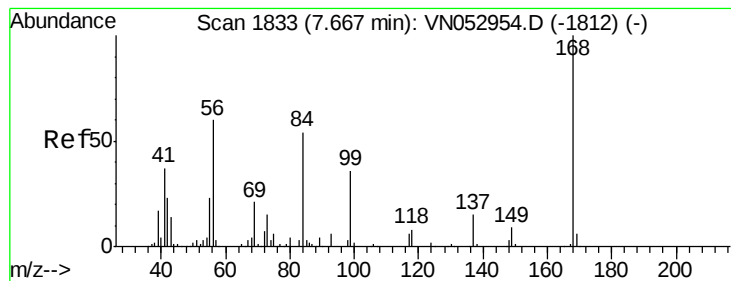
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	534203	47.375	ug/l #	87
94) Hexachlorobutadiene	15.01	225	387656	67.350	ug/l	99
95) Naphthalene	15.13	128	1198806	48.535	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	489058	48.150	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

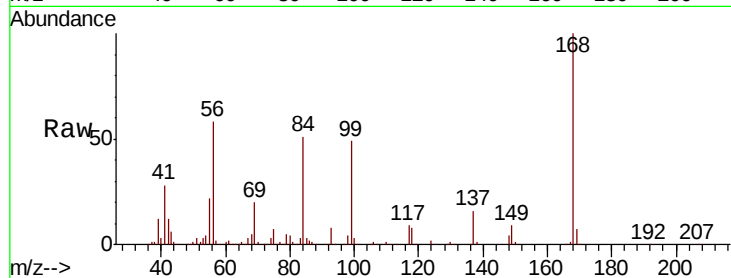
EP1-MW-K(12-13FT)1218MS

Tot Ion:168 Resp: 943742

Ion Ratio Lower Upper

168 100

99 49.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

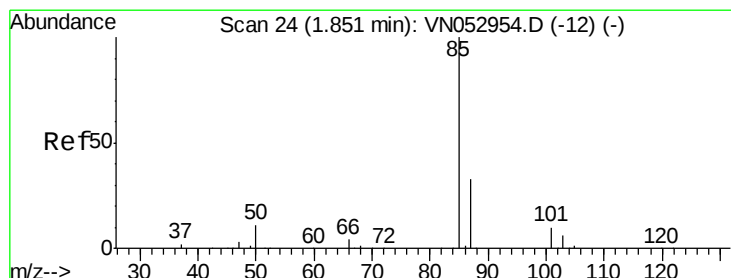
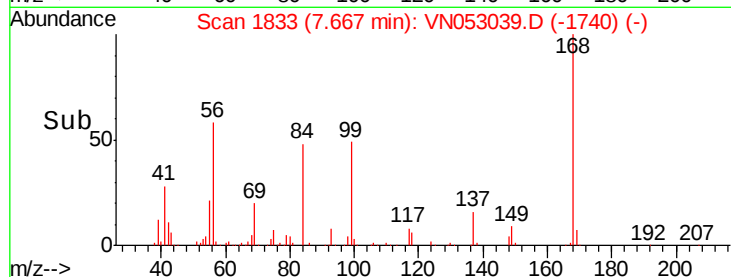
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 43.451 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053039.D

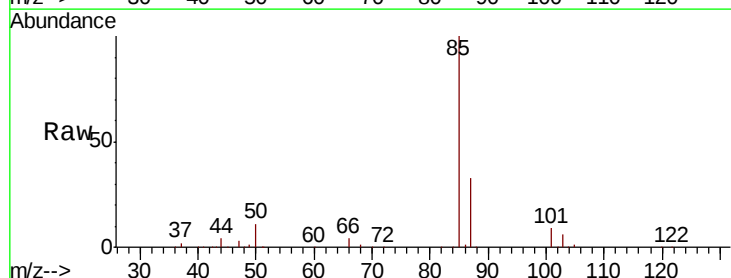
Acq: 20 Dec 2018 4:37

Tgt Ion: 85 Resp: 415019

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

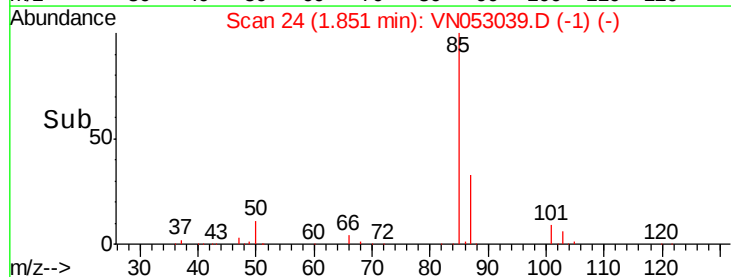
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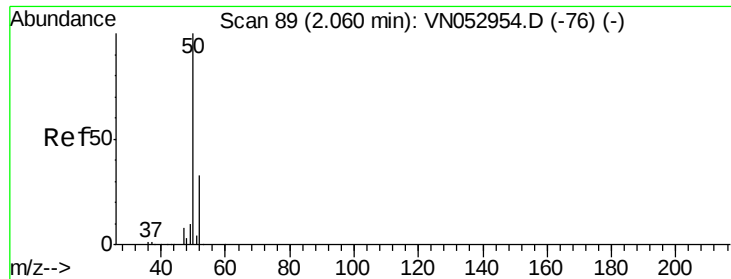
100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 51.877 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

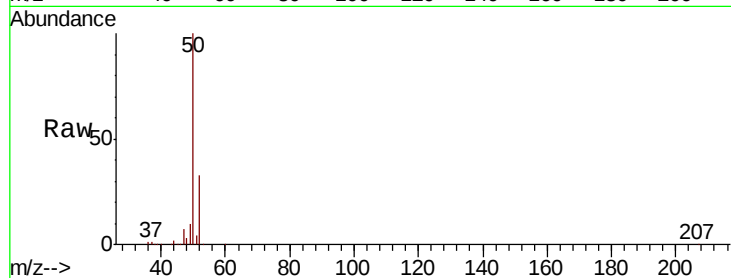
EP1-MW-K(12-13FT)1218MS

Tot Ion: 50 Resp: 600443

Ion Ratio Lower Upper

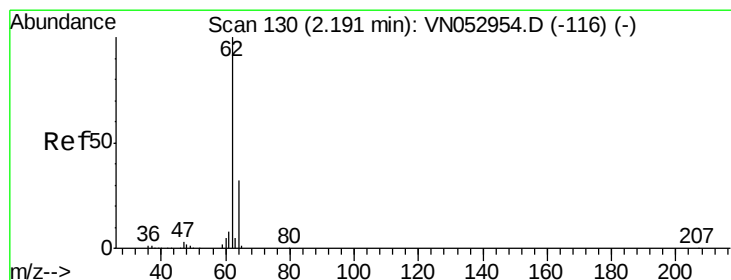
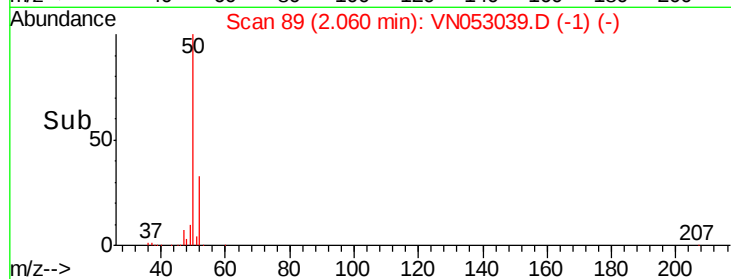
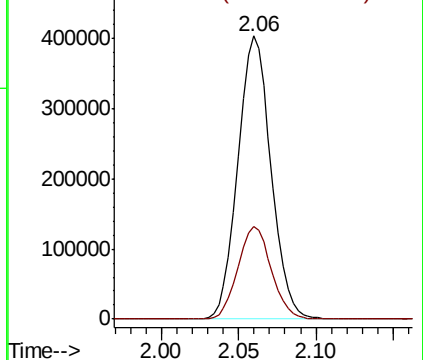
50 100

52 32.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 48.121 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053039.D

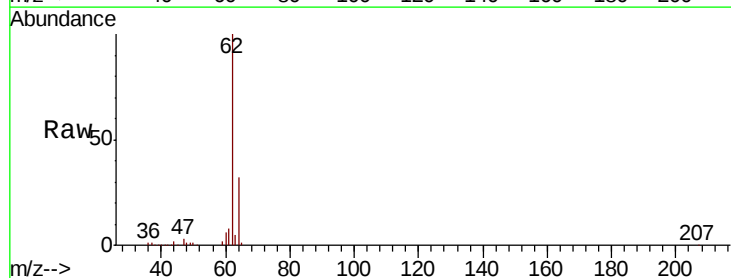
Acq: 20 Dec 2018 4:37

Tgt Ion: 62 Resp: 564073

Ion Ratio Lower Upper

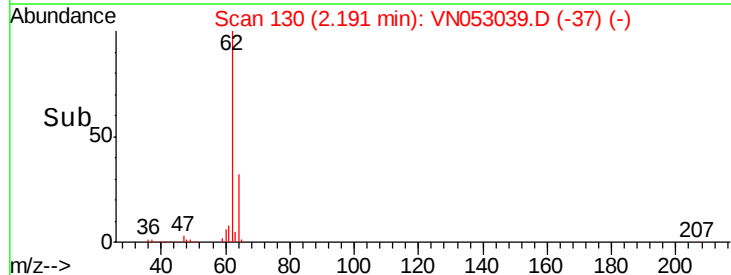
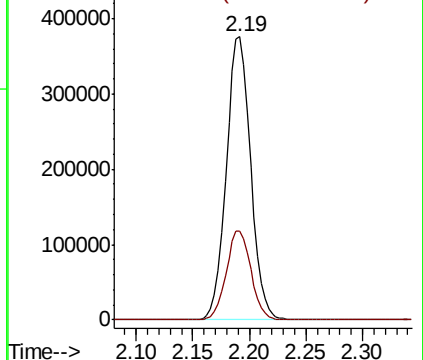
62 100

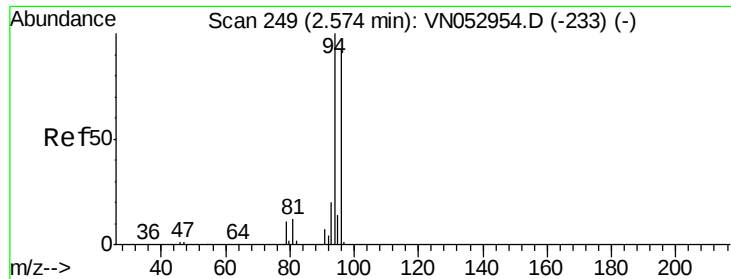
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 47.495 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

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Acq: 20 Dec 2018 4:37

Instrument :

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ClientSampleId :

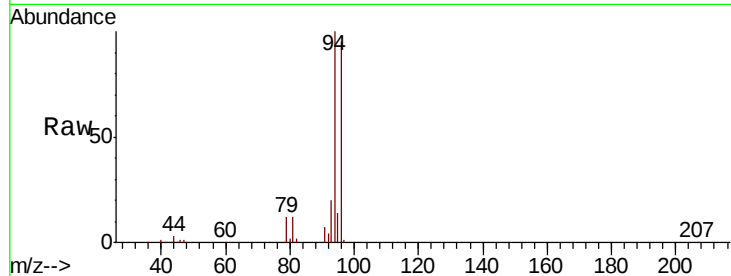
EP1-MW-K(12-13FT)1218MS

Tot Ion: 94 Resp: 385728

Ion Ratio Lower Upper

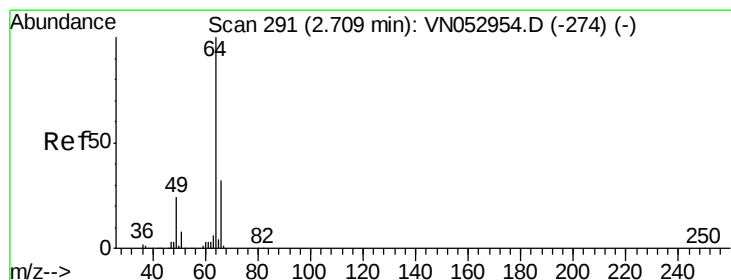
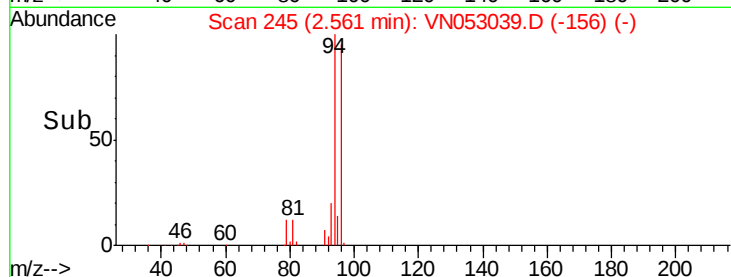
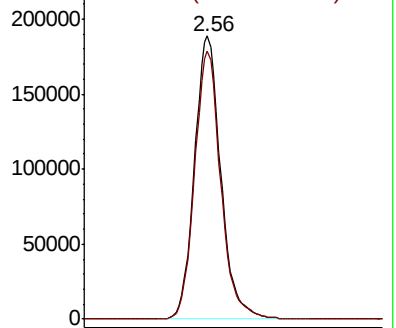
94 100

96 94.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.279 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN053039.D

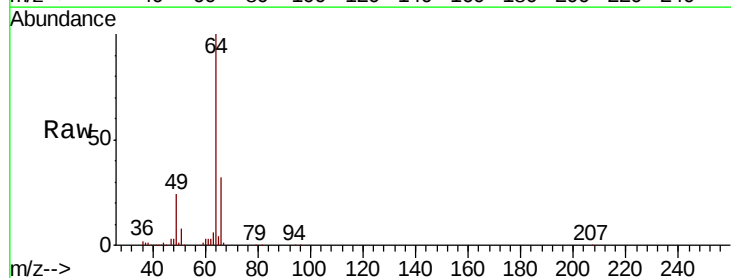
Acq: 20 Dec 2018 4:37

Tgt Ion: 64 Resp: 342113

Ion Ratio Lower Upper

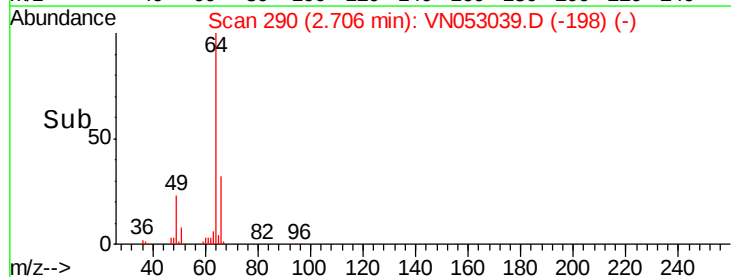
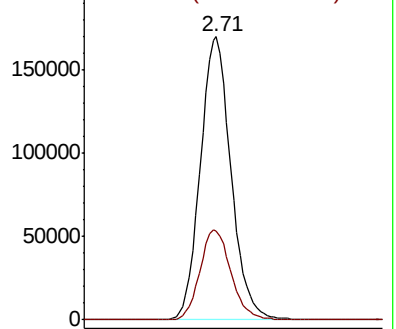
64 100

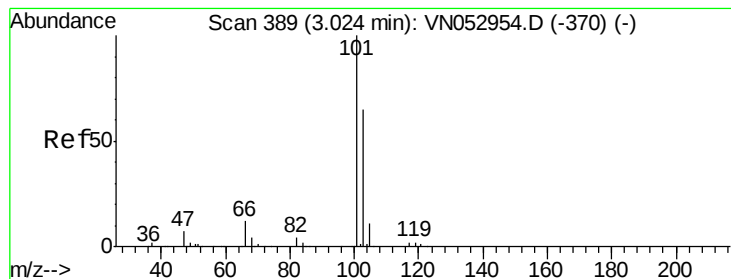
66 31.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



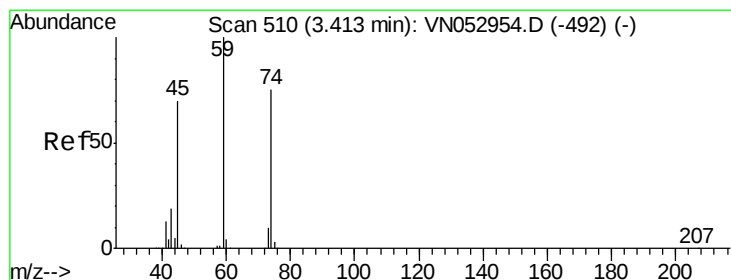
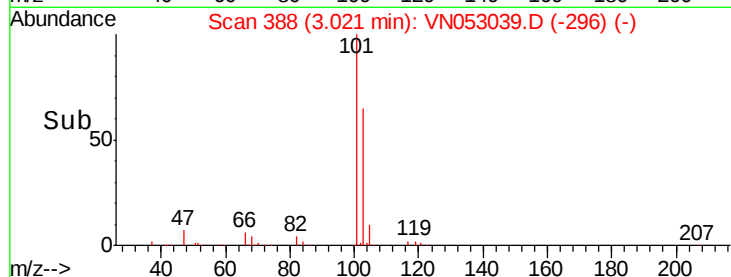
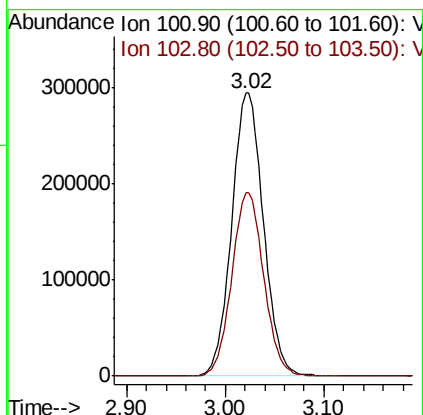
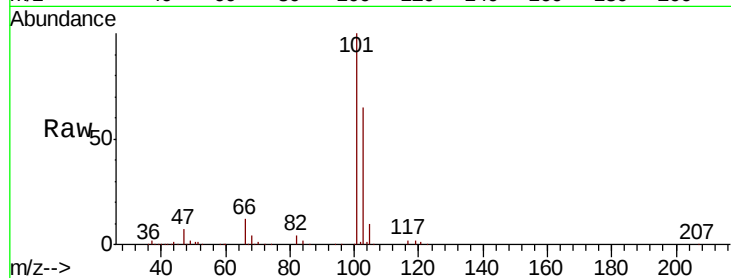


#7

Trichlorofluoromethane
 Concen: 45.081 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

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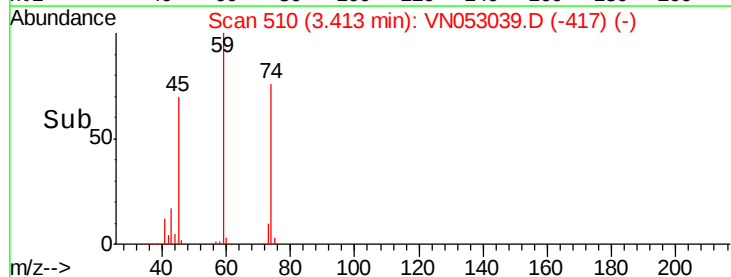
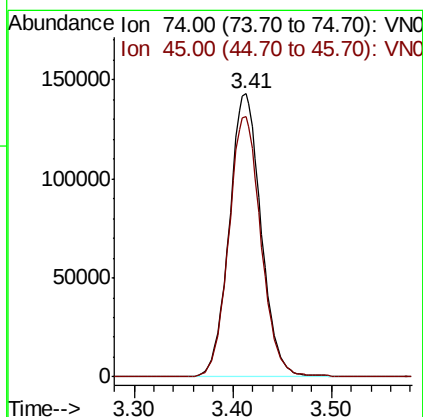
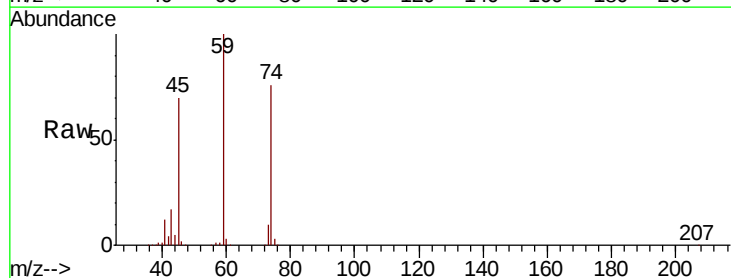
Tot Ion:101 Resp: 658304
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.8 77.6

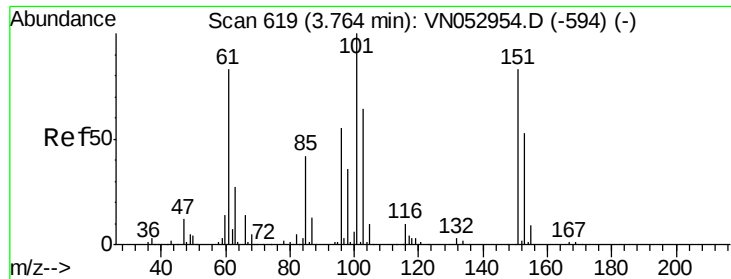


#8

Diethyl Ether
 Concen: 58.212 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion: 74 Resp: 320685
 Ion Ratio Lower Upper
 74 100
 45 92.6 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.440 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

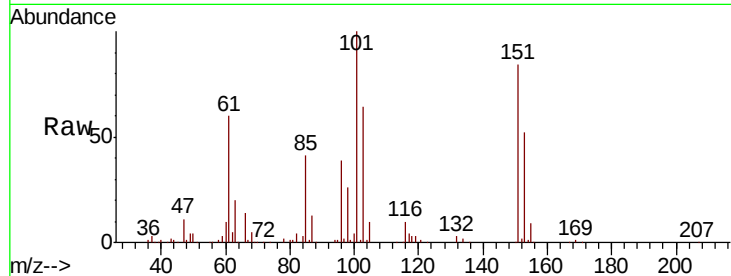
Tot Ion:101 Resp: 413762

Ion Ratio Lower Upper

101 100

85 41.3 33.6 50.4

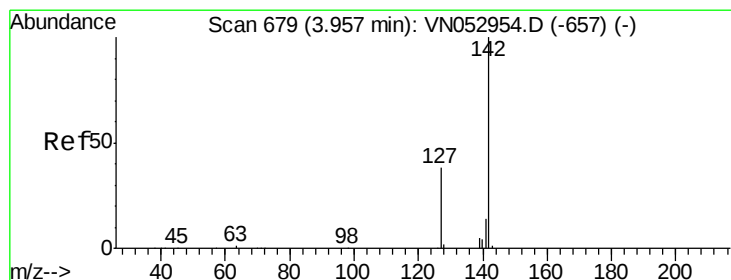
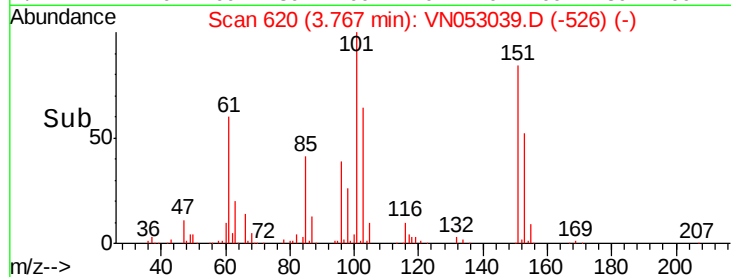
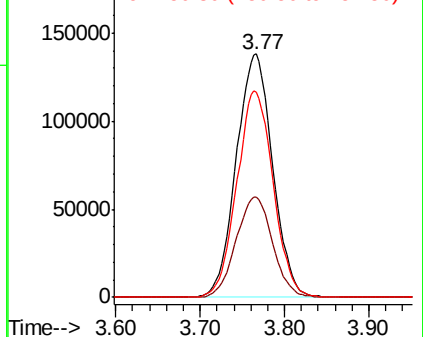
151 85.0 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.629 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

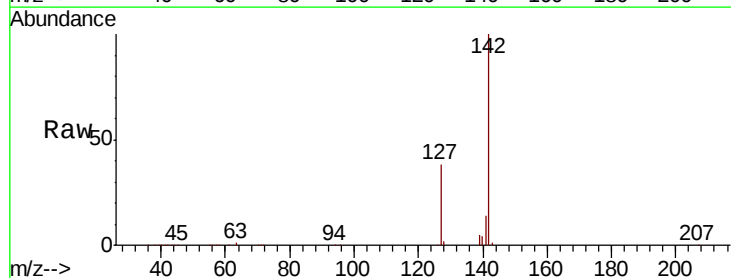
Tgt Ion:142 Resp: 701206

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.6

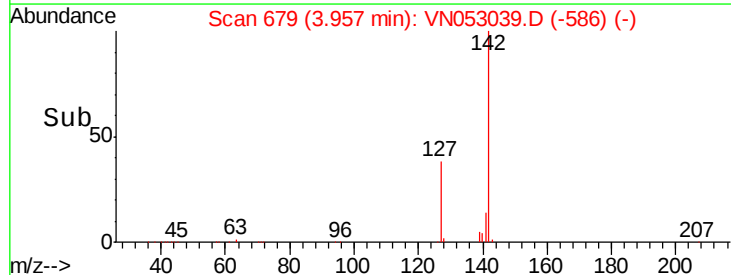
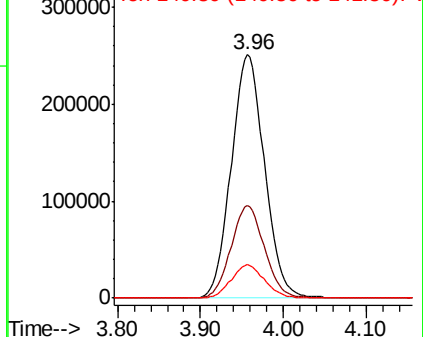
141 13.7 11.2 16.8

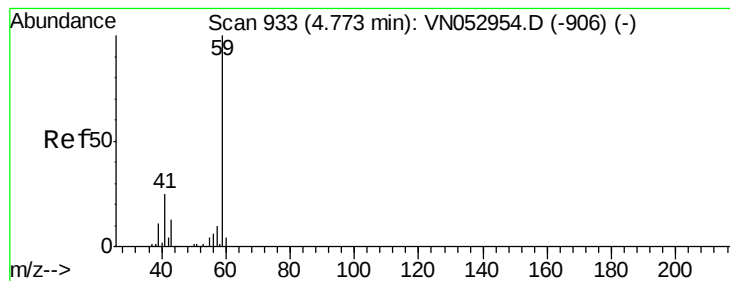


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



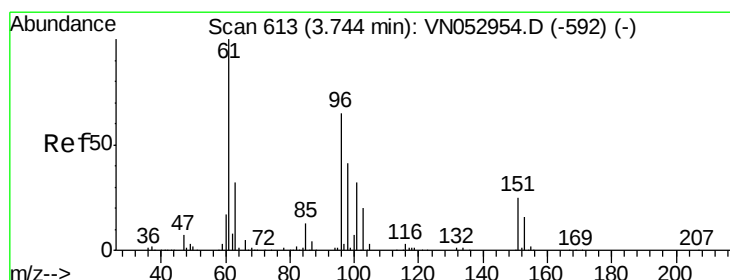
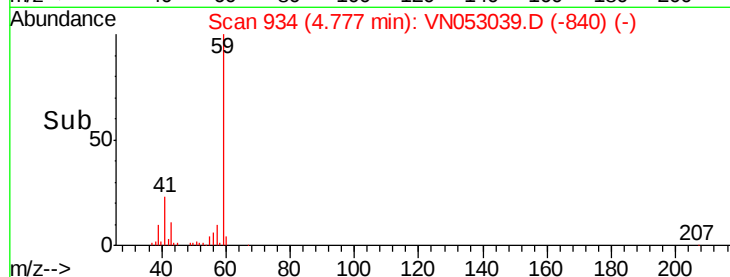
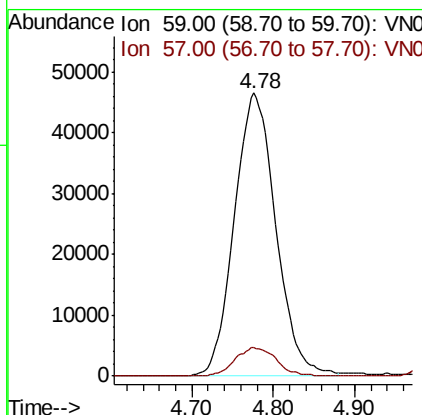
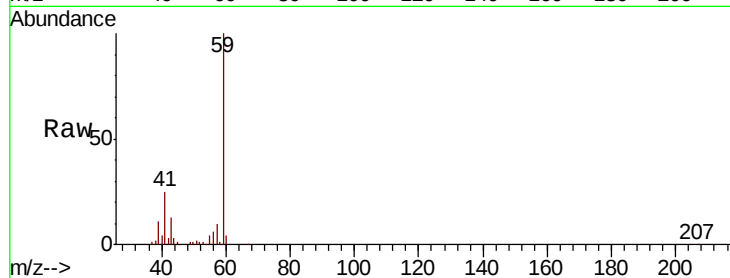


#11

Tert butyl alcohol
 Concen: 281.402 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

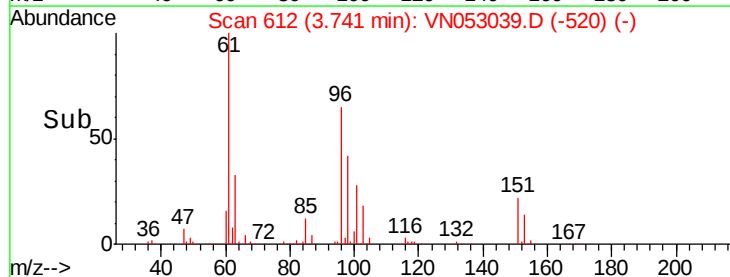
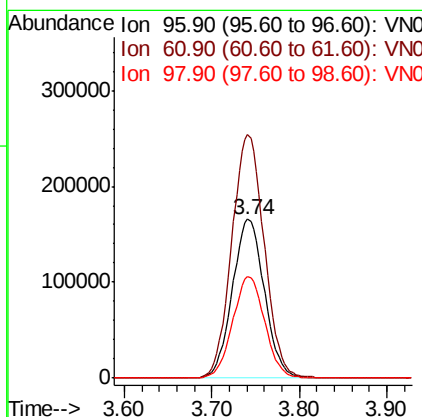
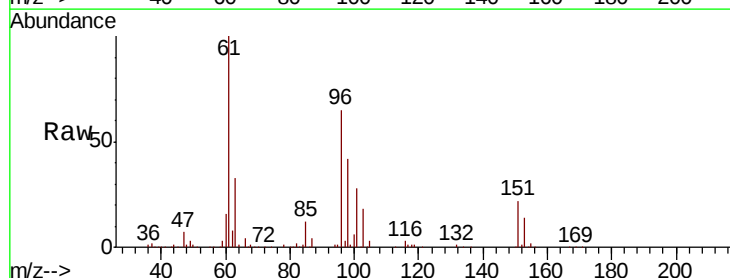
Tot Ion: 59 Resp: 164441
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.7 11.5

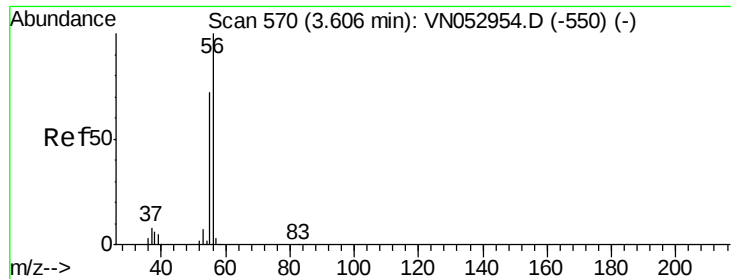


#12

1,1-Dichloroethene
 Concen: 46.923 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion: 96 Resp: 422074
 Ion Ratio Lower Upper
 96 100
 61 153.6 125.6 188.4
 98 64.2 50.6 75.8

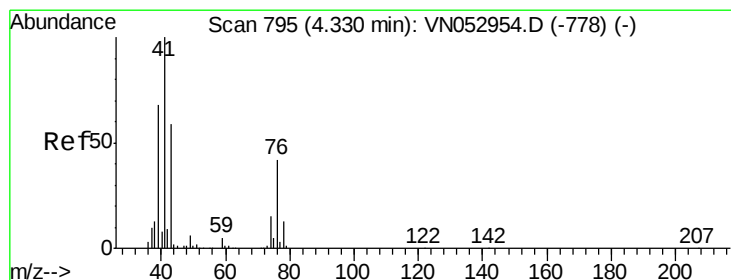
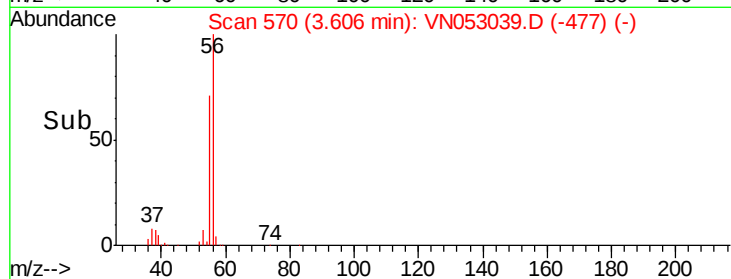
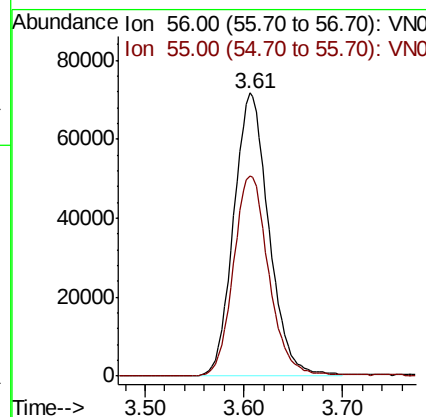
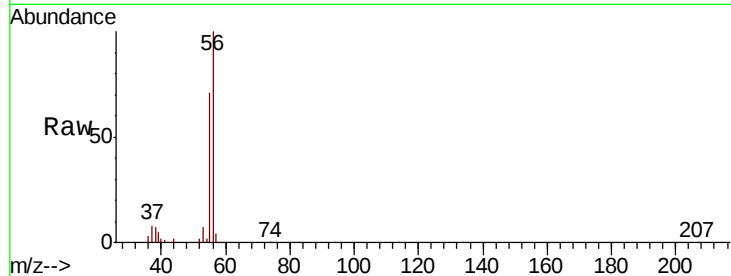




#13
Acrolein
Concen: 335.021 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

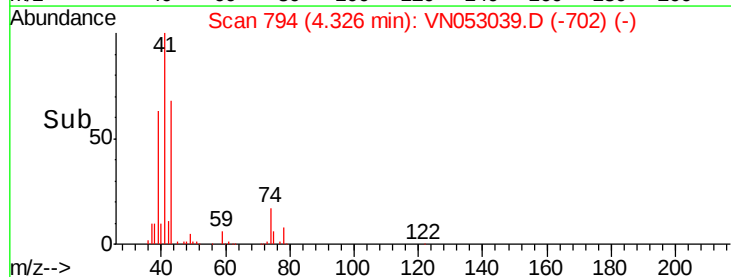
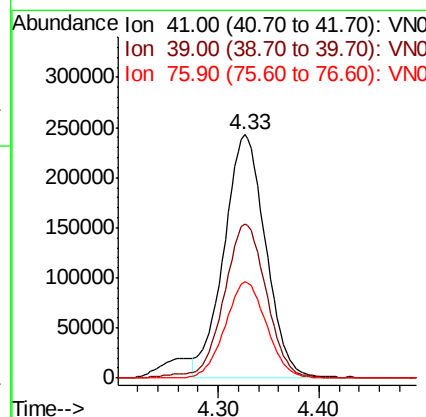
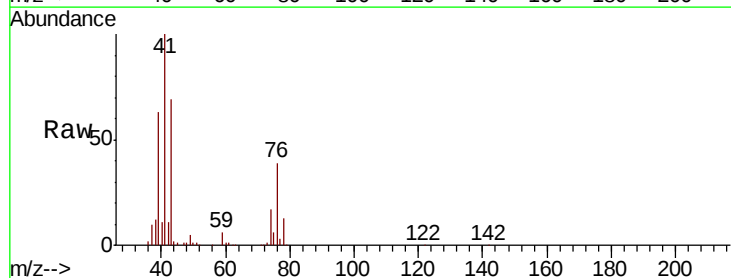
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

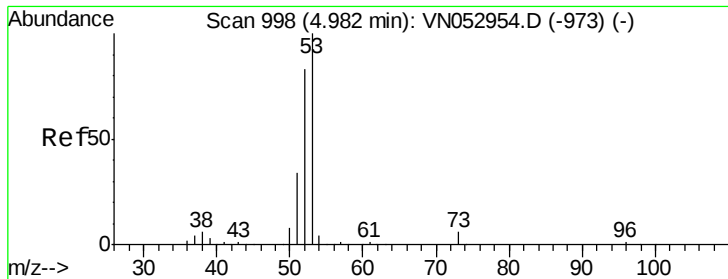
Tot Ion: 56 Resp: 177516
Ion Ratio Lower Upper
56 100
55 71.0 56.6 85.0



#14
Allyl chloride
Concen: 49.826 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 41 Resp: 694233
Ion Ratio Lower Upper
41 100
39 65.5 54.1 81.1
76 38.8 30.3 45.5





#15

Acrylonitrile

Concen: 288.537 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

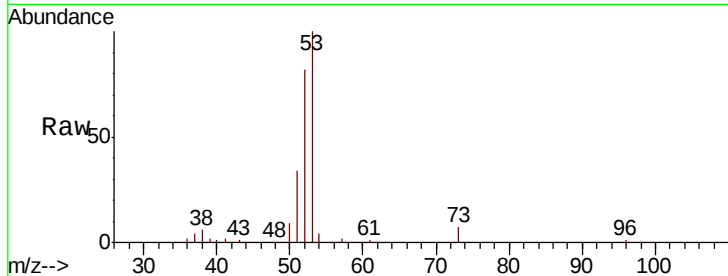
Tot Ion: 53 Resp: 936715

Ion Ratio Lower Upper

53 100

52 81.9 65.1 97.7

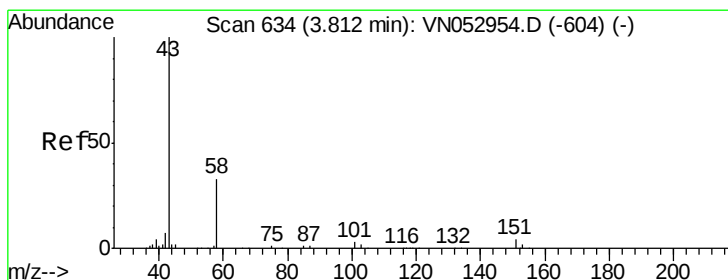
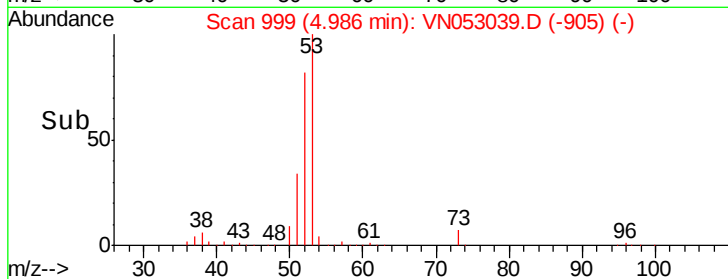
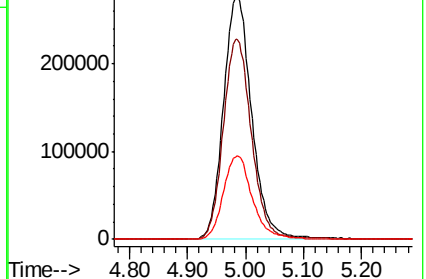
51 35.2 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052954.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN052954.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN052954.D (-973) (-)



#16

Acetone

Concen: 308.958 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053039.D

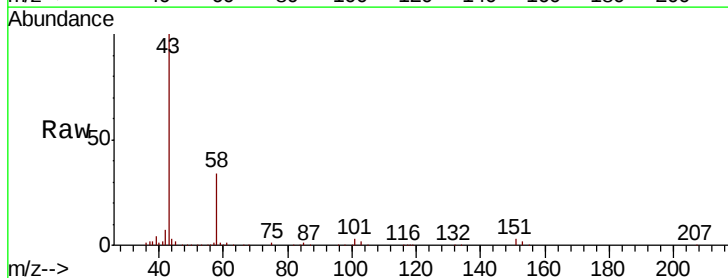
Acq: 20 Dec 2018 4:37

Tgt Ion: 43 Resp: 580157

Ion Ratio Lower Upper

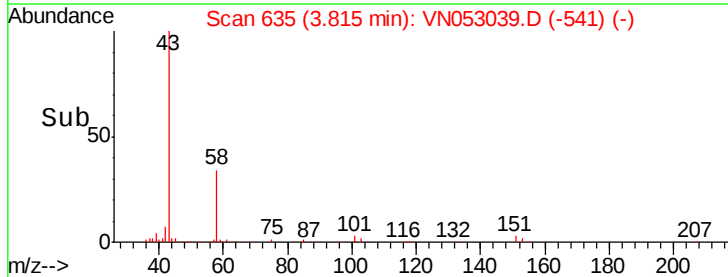
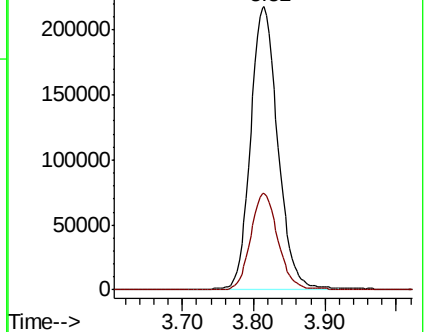
43 100

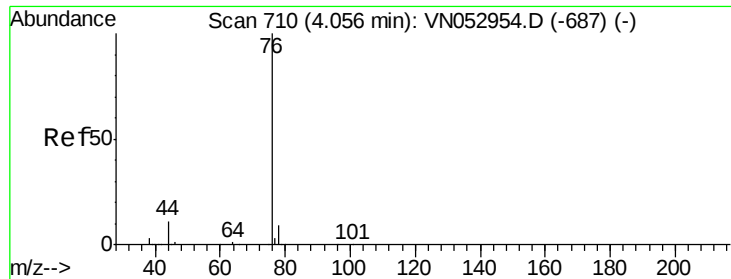
58 34.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-604) (-)





#17

Carbon Disulfide

Concen: 39.317 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

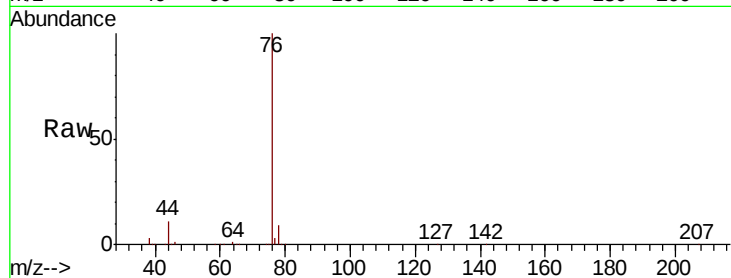
EP1-MW-K(12-13FT)1218MS

Tot Ion: 76 Resp: 1153381

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-687) (-)

4.06

500000

400000

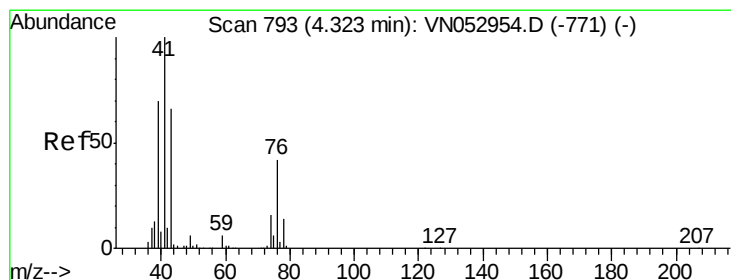
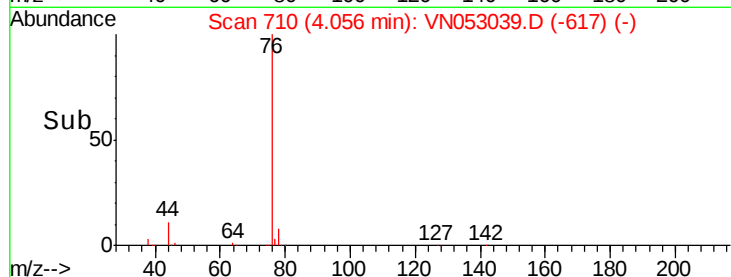
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 56.725 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053039.D

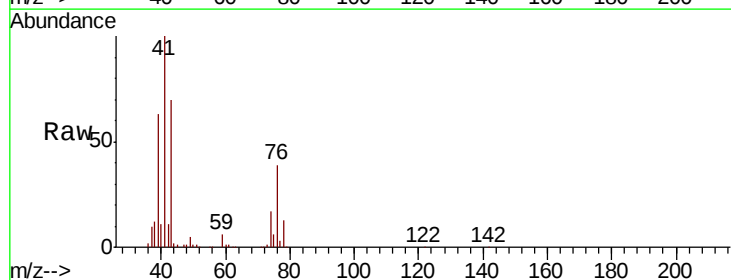
Acq: 20 Dec 2018 4:37

Tgt Ion: 43 Resp: 484615

Ion Ratio Lower Upper

43 100

74 25.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN052954.D (-771) (-)

4.32

200000

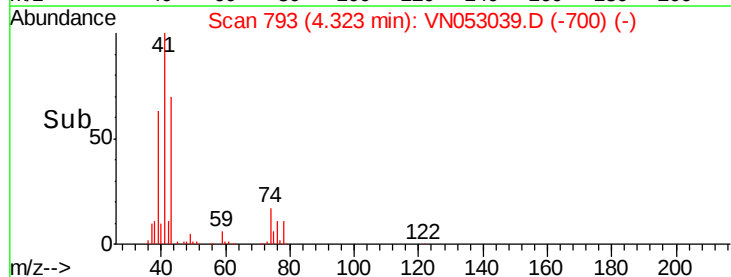
150000

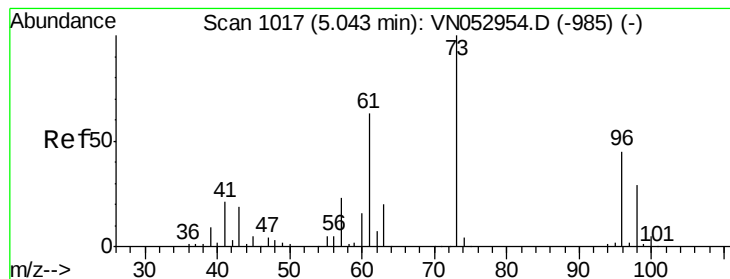
100000

50000

0

Time-->



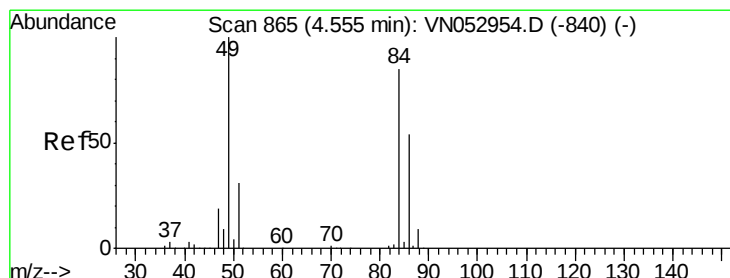
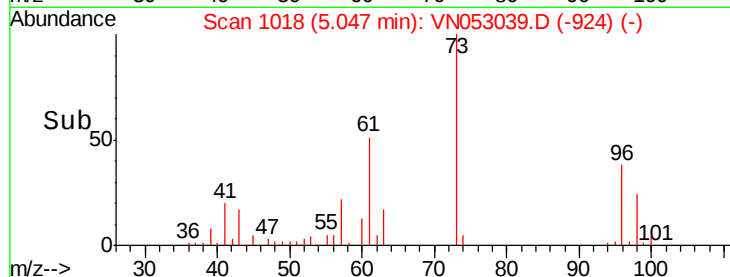
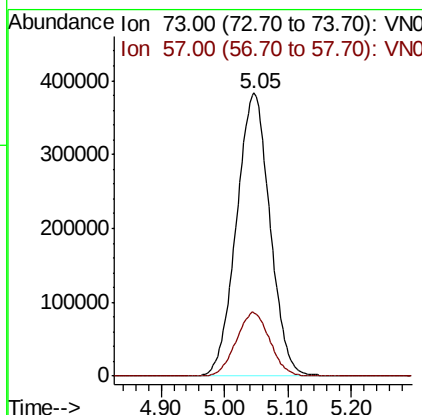
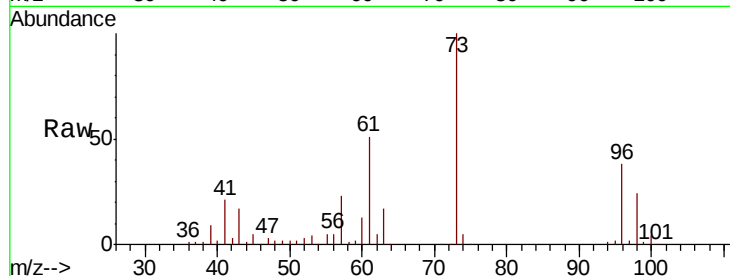


#19

Methyl tert-butyl Ether
 Concen: 58.237 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

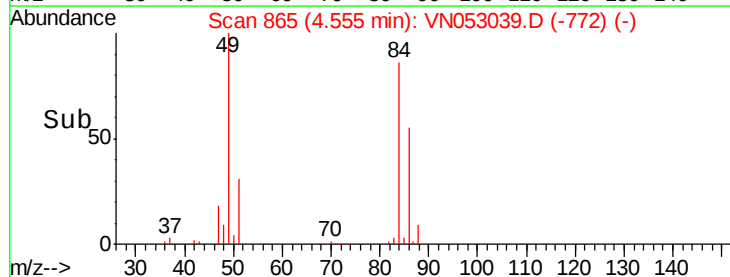
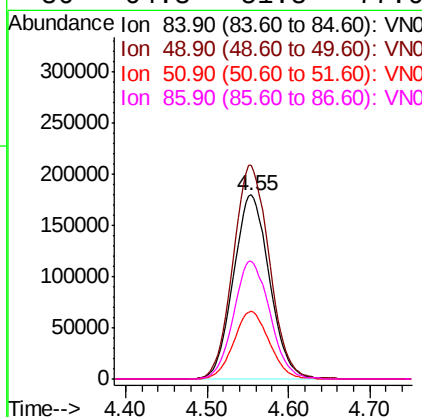
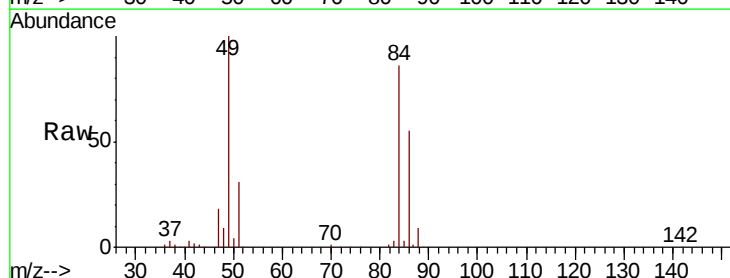
Tot Ion: 73 Resp: 1401857
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.4 27.6

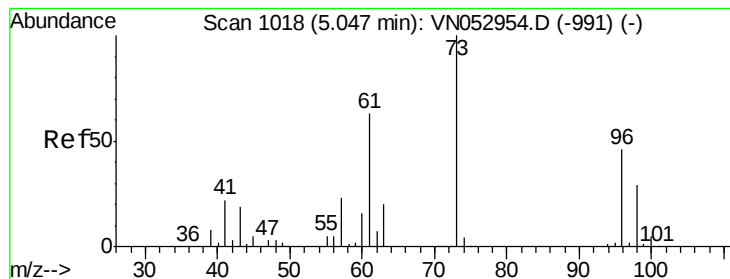


#20

Methylene Chloride
 Concen: 53.974 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion: 84 Resp: 552859
 Ion Ratio Lower Upper
 84 100
 49 116.0 96.8 145.2
 51 36.5 29.9 44.9
 86 64.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.237 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

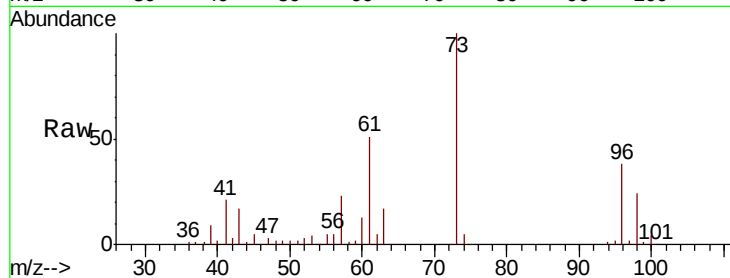
Tot Ion: 96 Resp: 466186

Ion Ratio Lower Upper

96 100

61 134.1 110.8 166.2

98 62.8 51.4 77.2

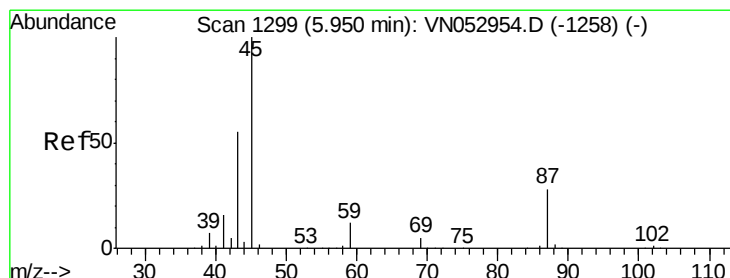
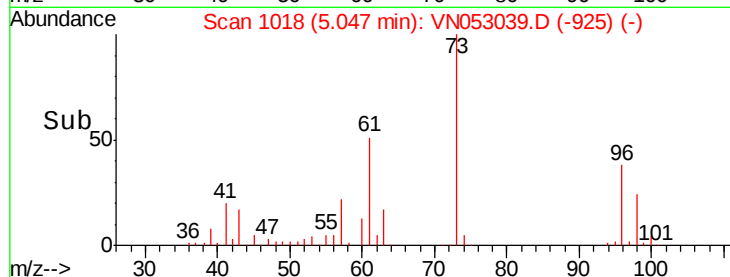
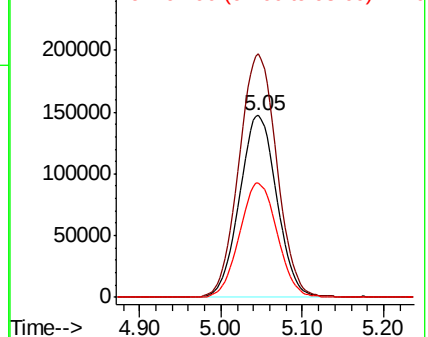


Abundance

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: 57.434 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Tgt Ion: 45 Resp: 1708104

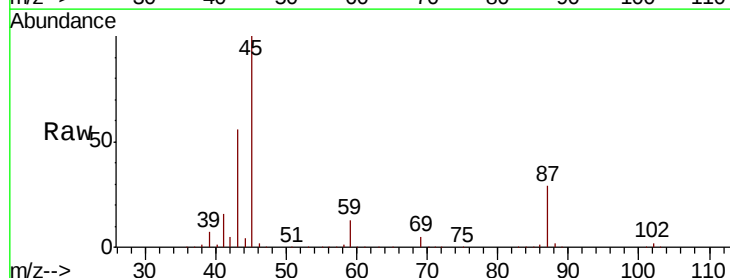
Ion Ratio Lower Upper

45 100

43 55.7 45.5 68.3

87 28.8 22.0 33.0

59 12.5 9.4 14.0



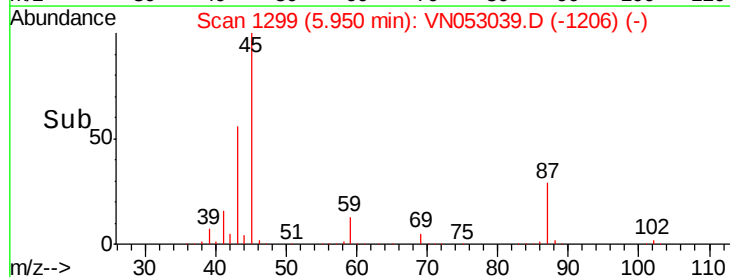
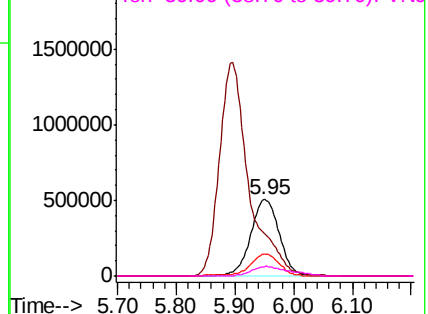
Abundance

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: 288.535 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

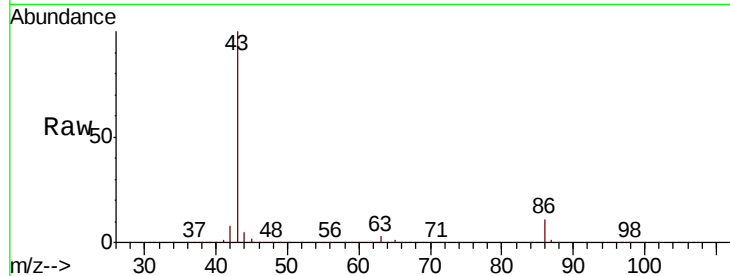
EP1-MW-K(12-13FT)1218MS

Tot Ion: 43 Resp: 4934429

Ion Ratio Lower Upper

43 100

86 10.9 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053039.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN053039.D (-1188) (-)

5.90

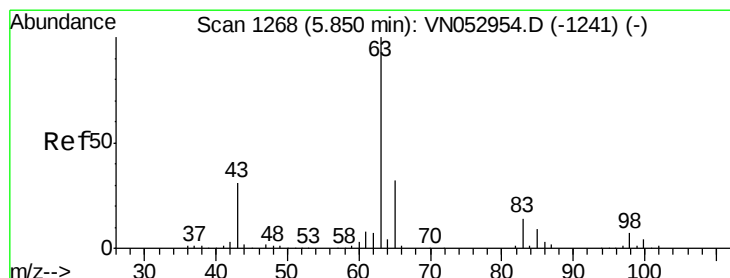
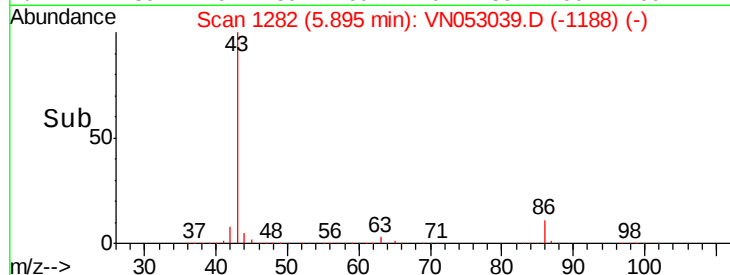
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.611 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

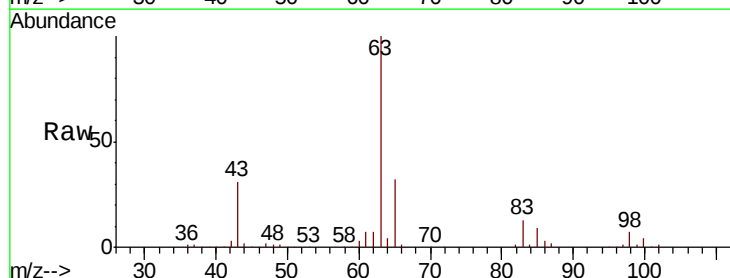
Tgt Ion: 63 Resp: 929779

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

100 4.3 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053039.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN053039.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN053039.D (-1175) (-)

5.85

400000

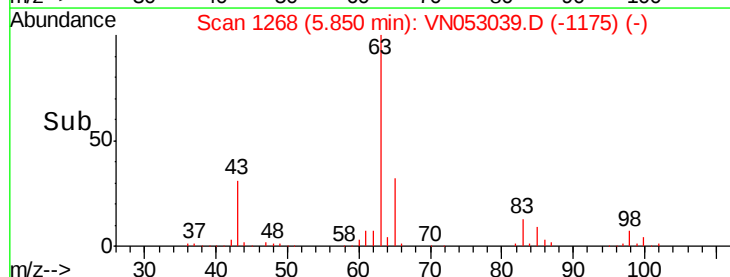
300000

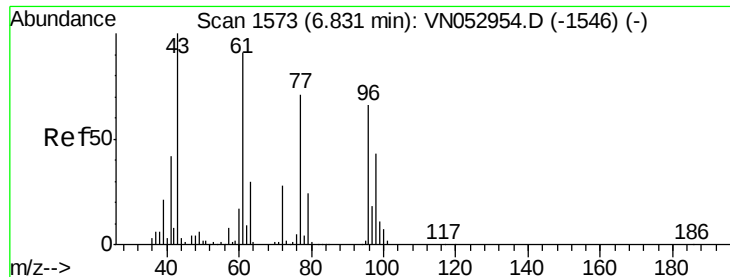
200000

100000

0

Time-->

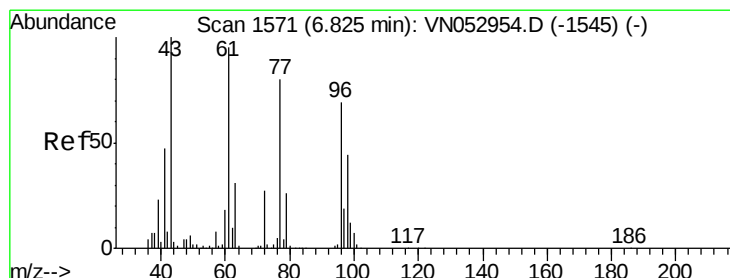
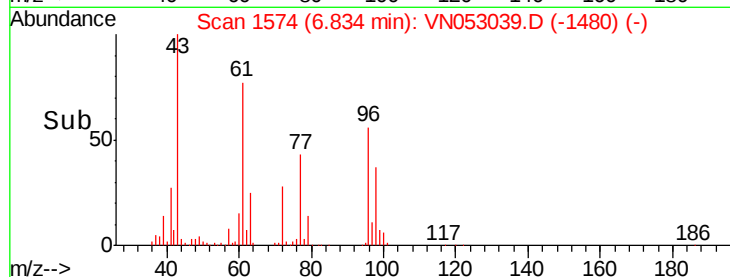
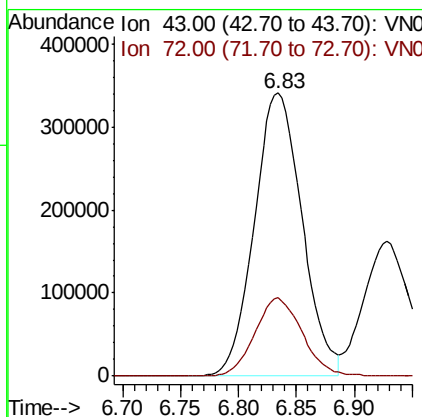
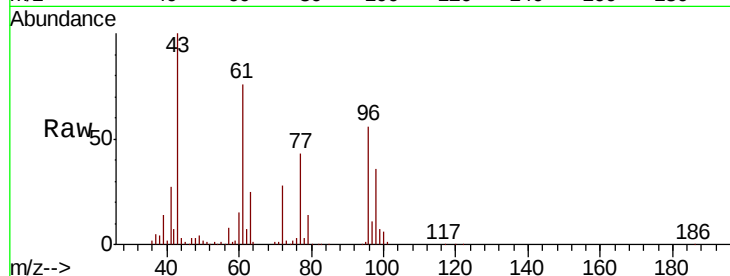




#25
2-Butanone
Concen: 308.738 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

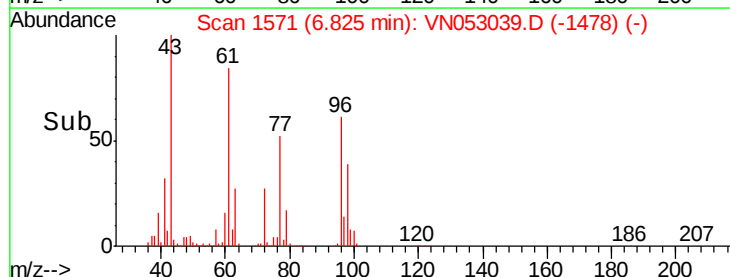
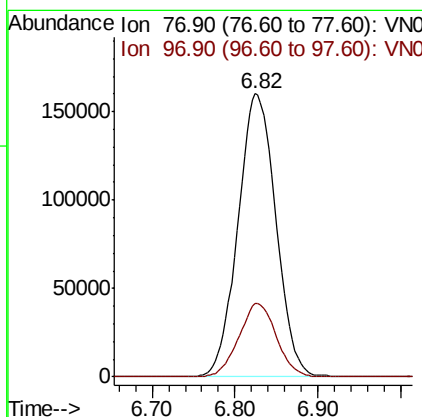
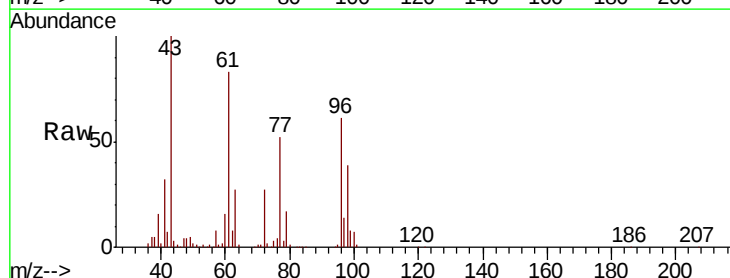
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

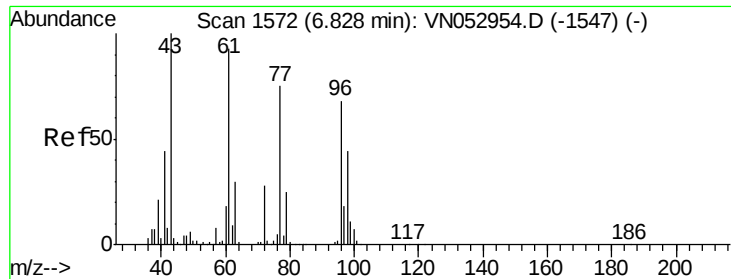
Tot Ion: 43 Resp: 972953
Ion Ratio Lower Upper
43 100
72 27.6 21.0 31.6



#26
2,2-Dichloropropane
Concen: 37.781 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 77 Resp: 509692
Ion Ratio Lower Upper
77 100
97 25.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.015 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

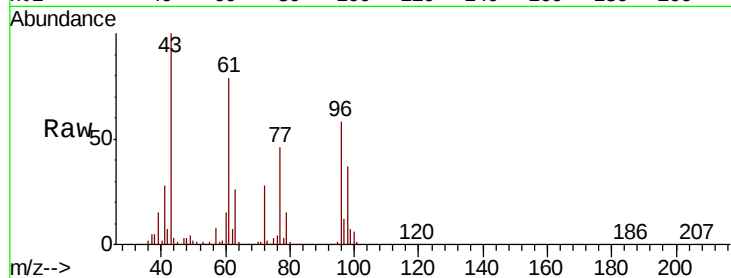
Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion: 96 Resp: 569109

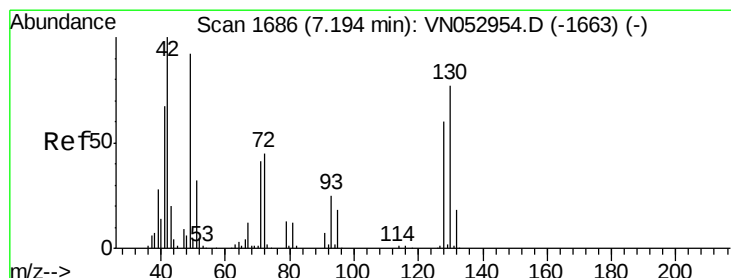
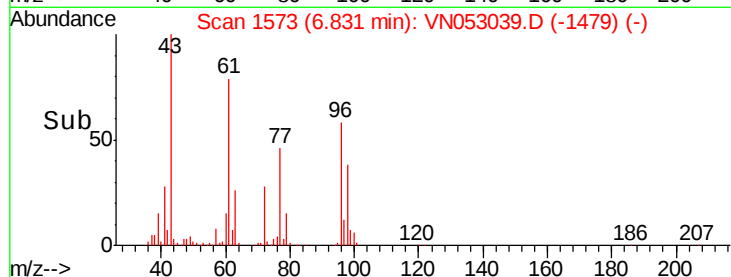
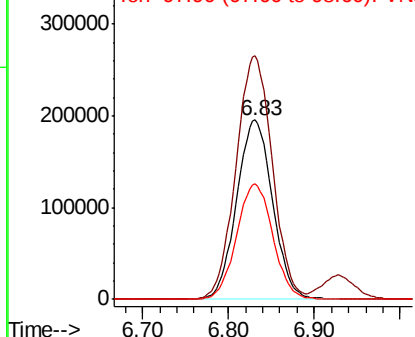
Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	284.2
98	64.9	0.0	129.2



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 56.956 ug/l

RT: 7.19 min Scan# 1686

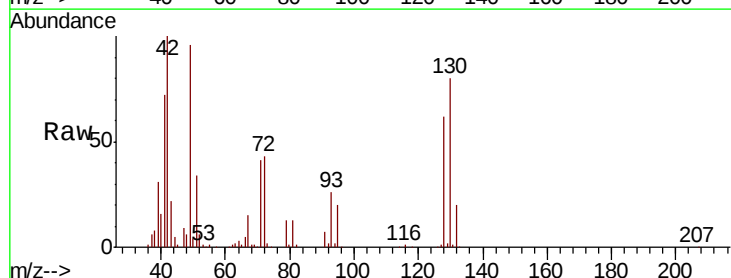
Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Tgt Ion: 49 Resp: 436165

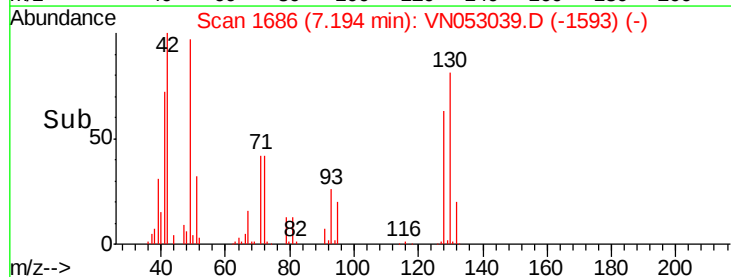
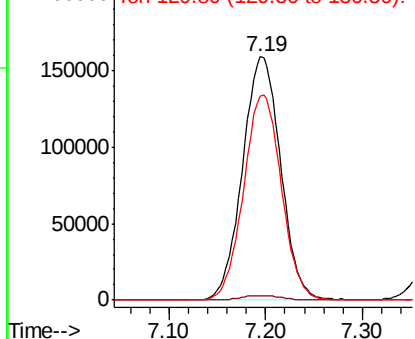
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.6	63.3	94.9



Abundance Ion 48.90 (48.60 to 49.60): VNO

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

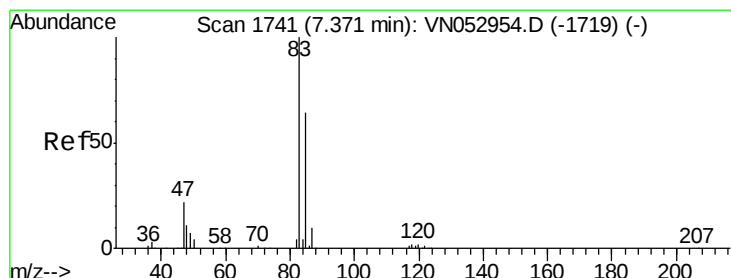
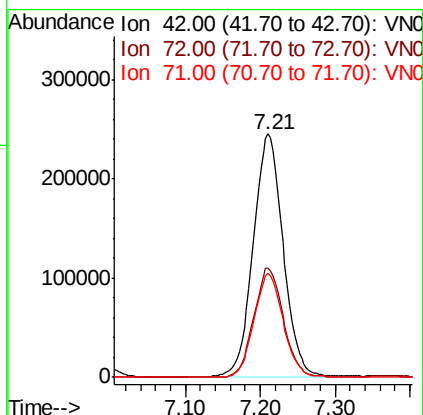
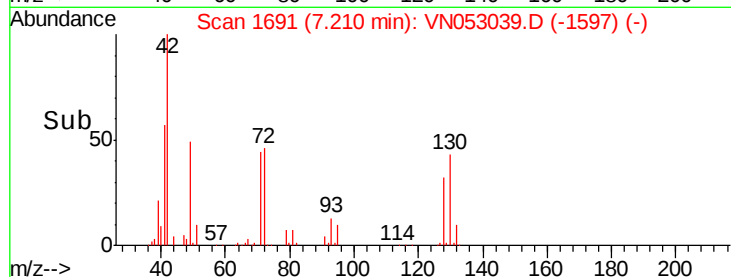
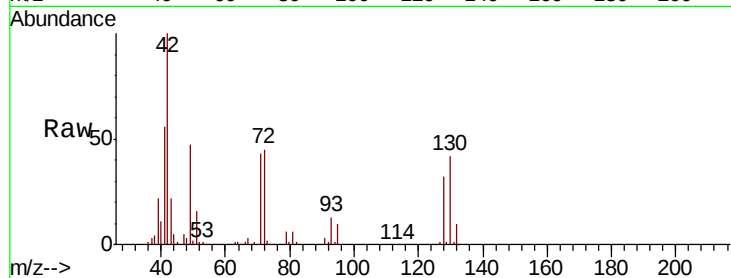




#29
Tetrahydrofuran
Concen: 290.944 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

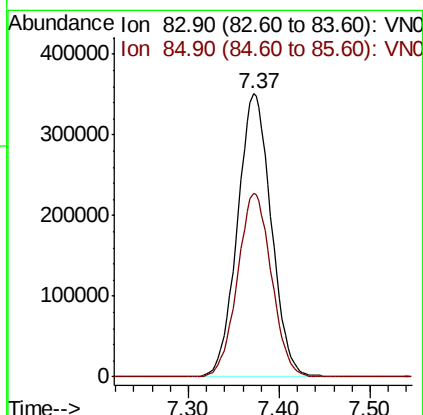
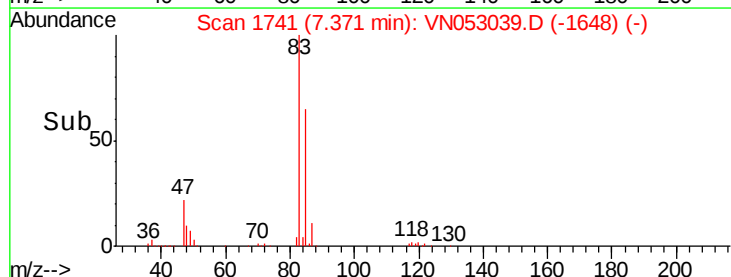
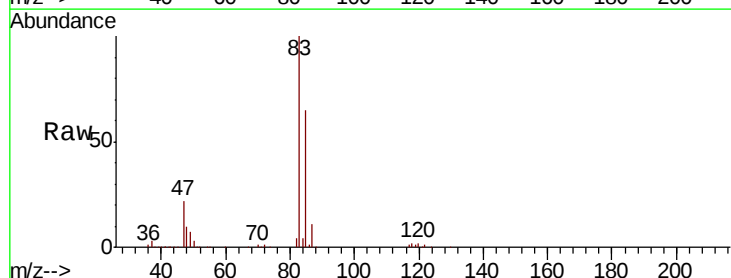
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion: 42 Resp: 684788
Ion Ratio Lower Upper
42 100
72 44.1 34.7 52.1
71 41.8 32.3 48.5



#30
Chloroform
Concen: 52.201 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 83 Resp: 906249
Ion Ratio Lower Upper
83 100
85 65.1 52.1 78.1





#31

Cyclohexane

Concen: 45.441 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

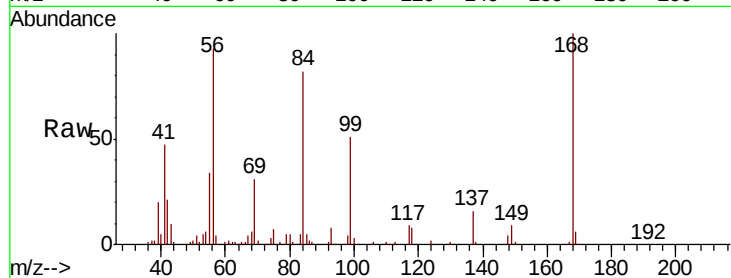
Tot Ion: 56 Resp: 754755

Ion Ratio Lower Upper

56 100

69 33.3 26.6 39.8

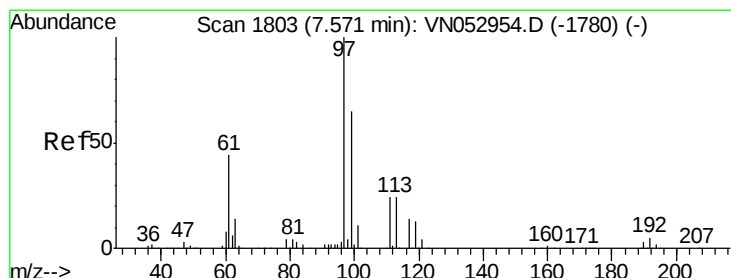
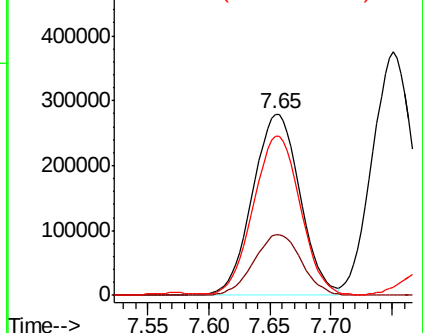
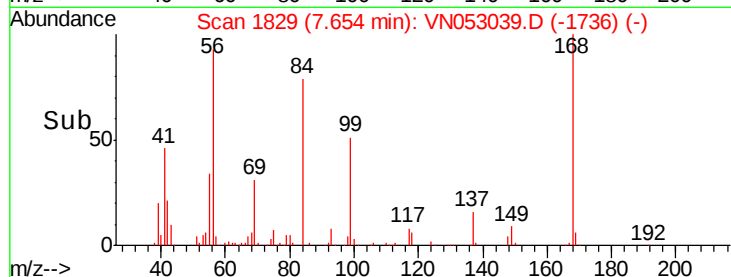
84 86.9 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053039.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053039.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053039.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 47.261 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

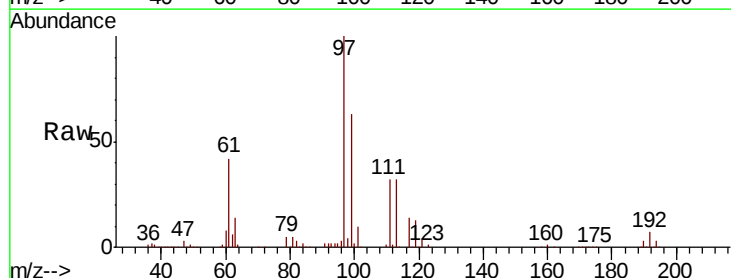
Tgt Ion: 97 Resp: 698950

Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

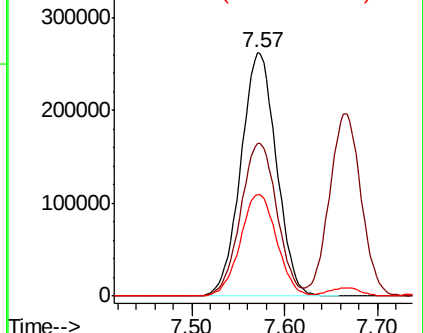
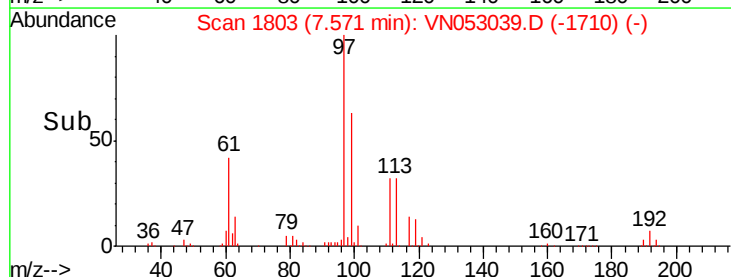
61 42.8 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN053039.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053039.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053039.D (-1710) (-)

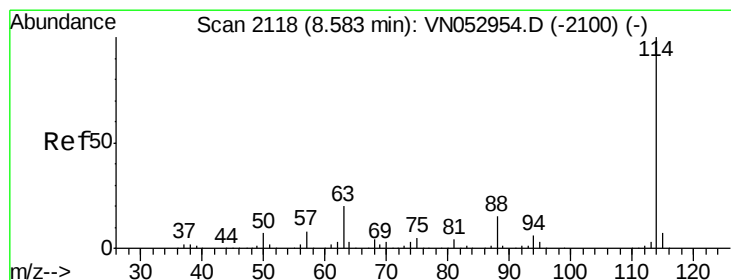
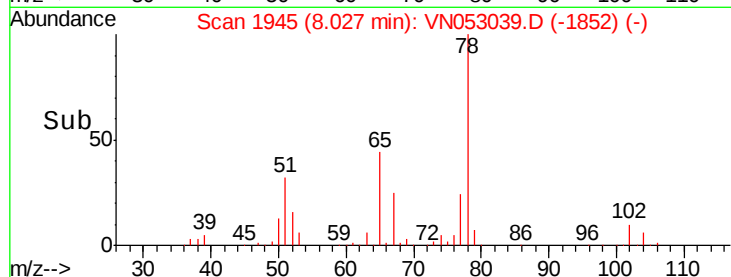
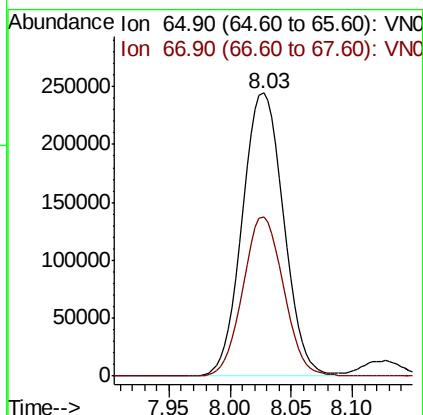
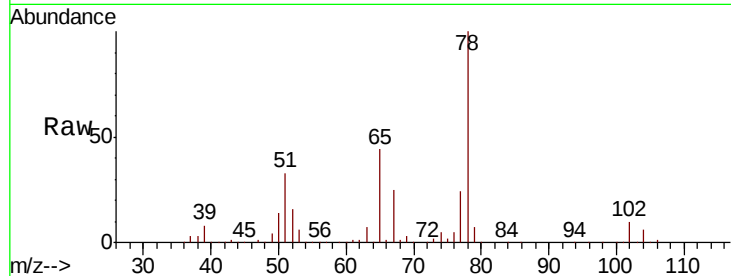




#33
 1,2-Dichloroethane-d4
 Concen: 47.261 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

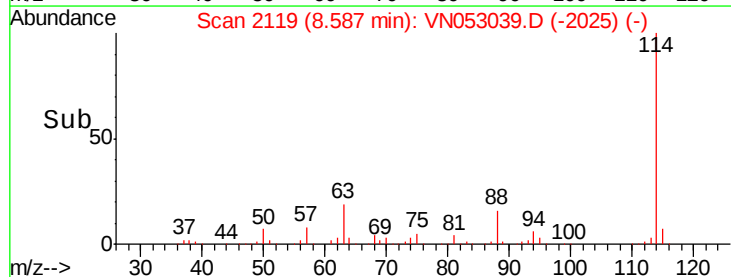
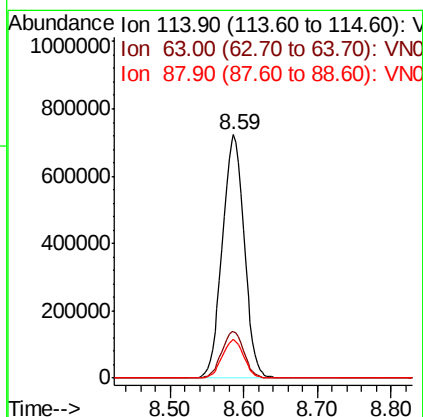
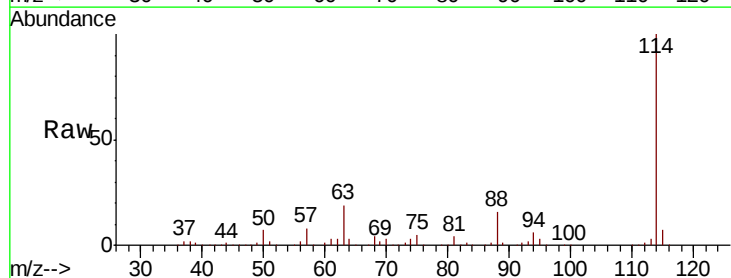
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

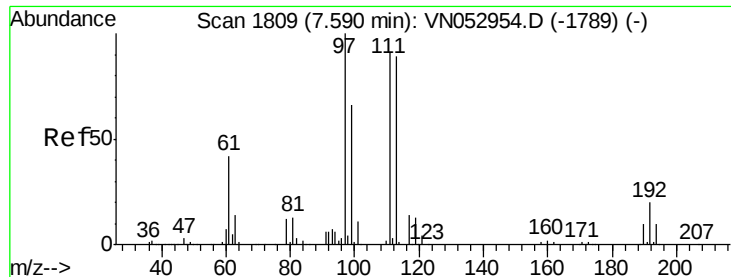
Tot Ion: 65 Resp: 575153
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion: 114 Resp: 1491062
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 15.7 0.0 31.0

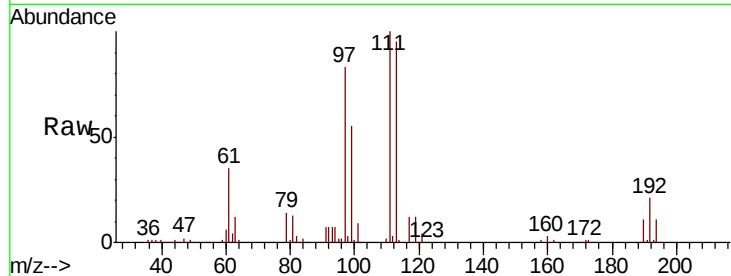




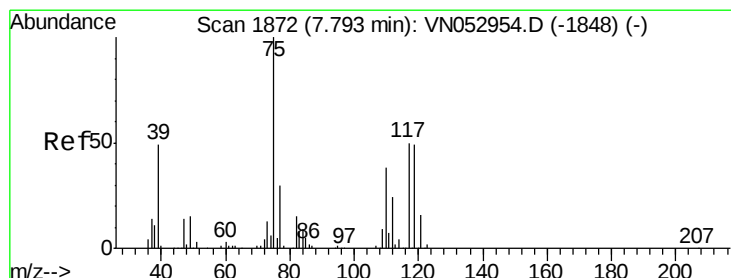
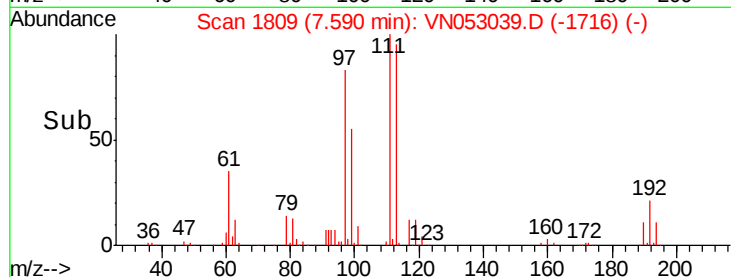
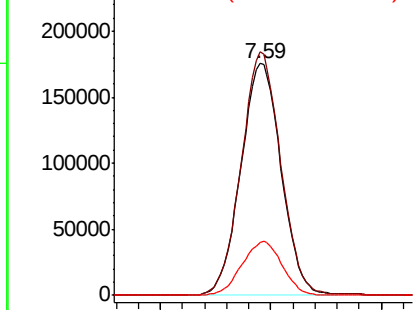
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion:113 Resp: 443922
Ion Ratio Lower Upper
113 100
111 102.9 83.0 124.4
192 23.3 17.5 26.3

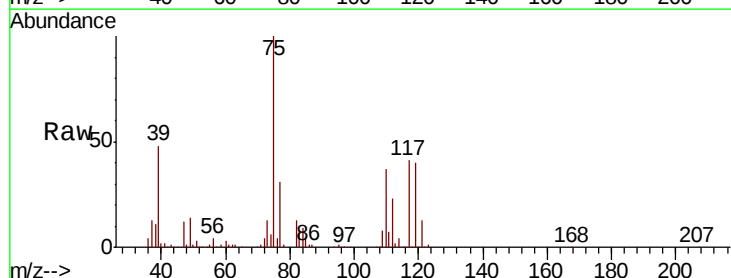


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

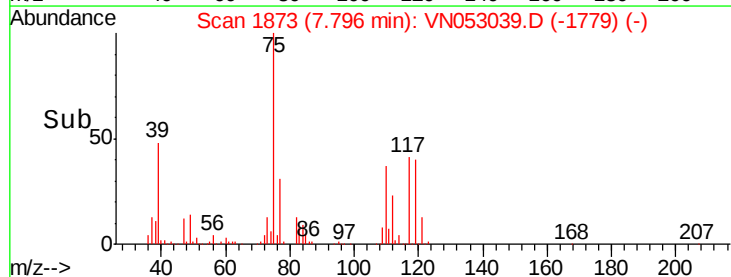
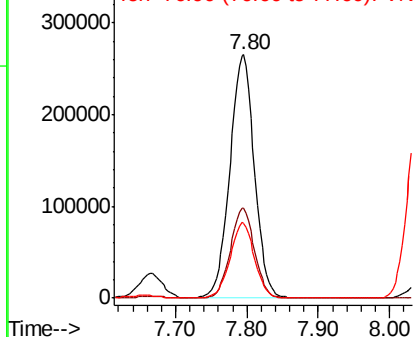


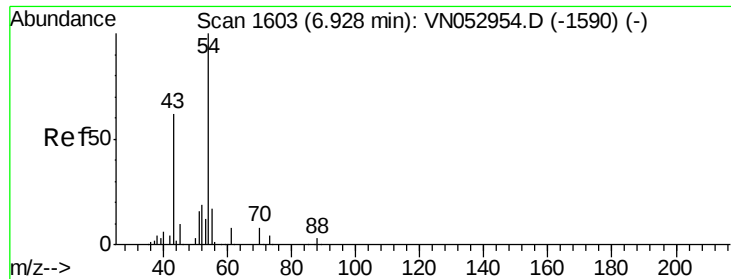
#36
1,1-Dichloropropene
Concen: 44.297 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 75 Resp: 633964
Ion Ratio Lower Upper
75 100
110 36.5 18.2 54.6
77 31.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

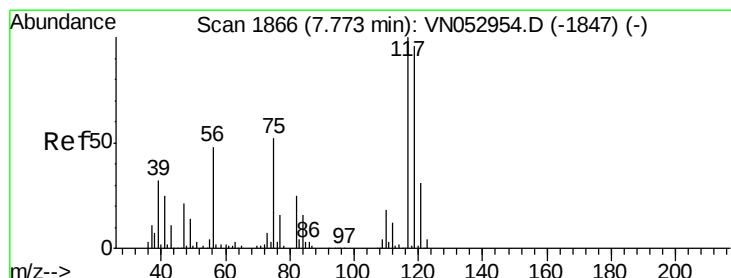
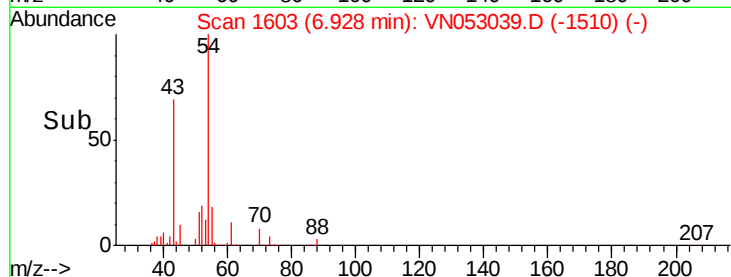
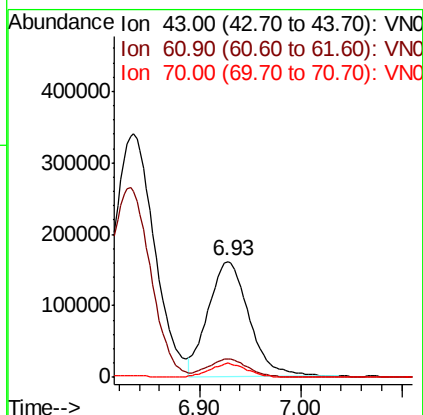
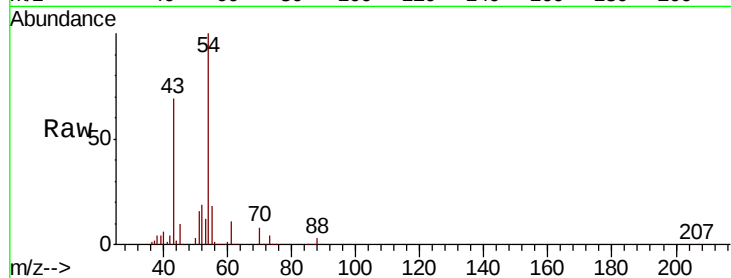




#37
Ethyl Acetate
Concen: 56.677 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

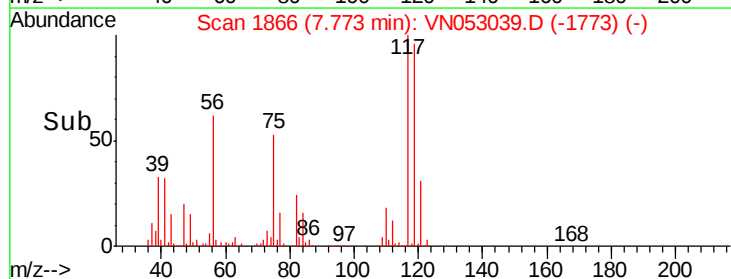
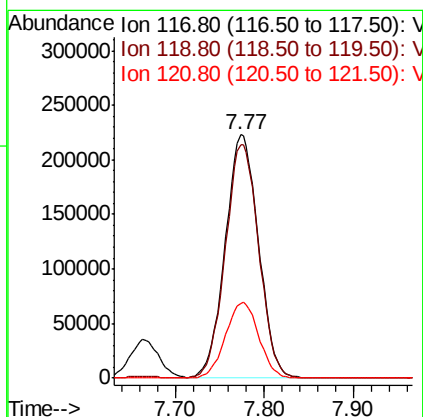
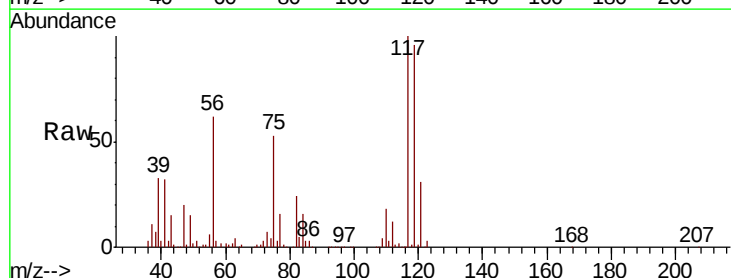
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

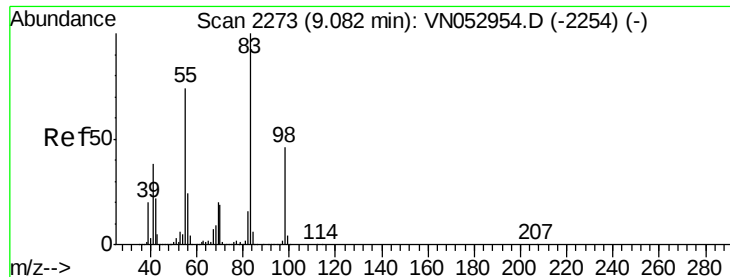
Tot Ion: 43 Resp: 452817
Ion Ratio Lower Upper
43 100
61 15.7 11.8 17.6
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 43.708 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 117 Resp: 573362
Ion Ratio Lower Upper
117 100
119 95.9 77.1 115.7
121 30.8 24.9 37.3

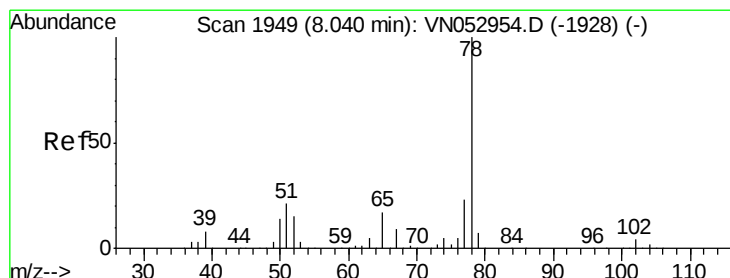
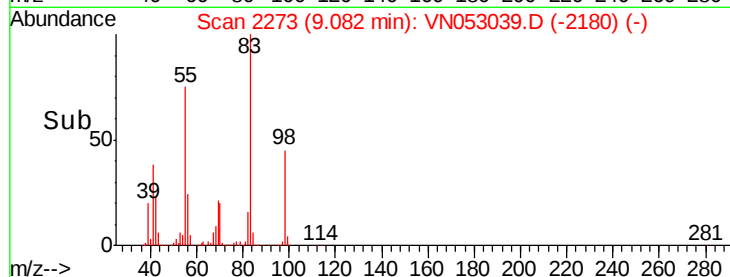
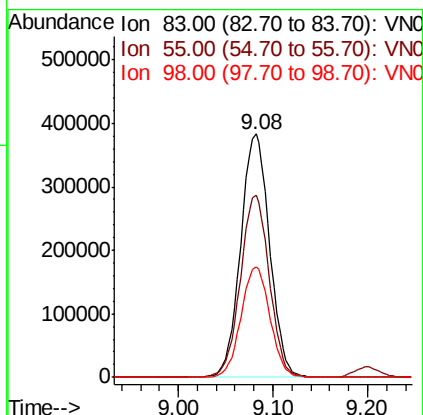
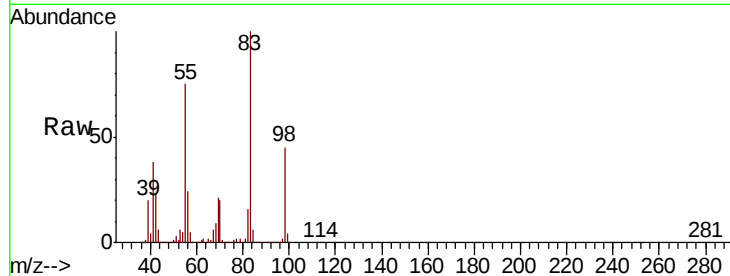




#39
Methvlcvclohexane
Concen: 46.913 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

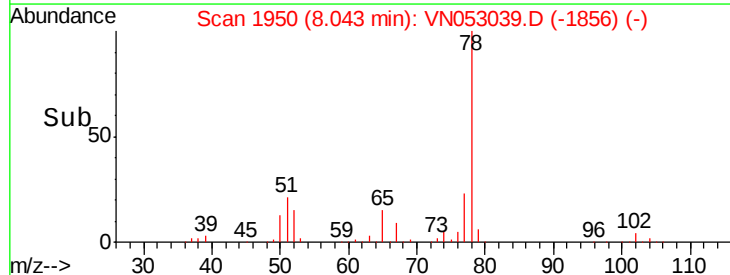
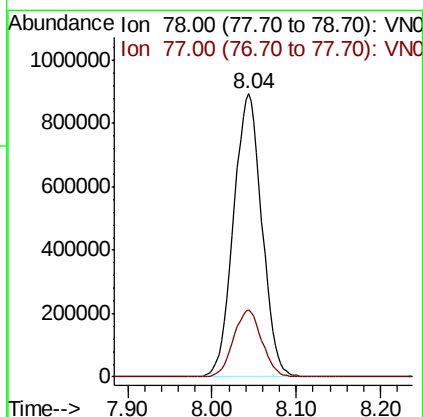
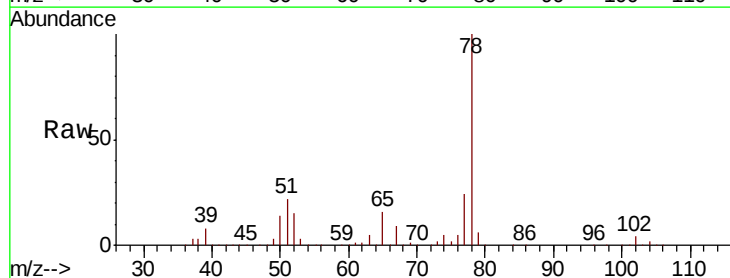
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

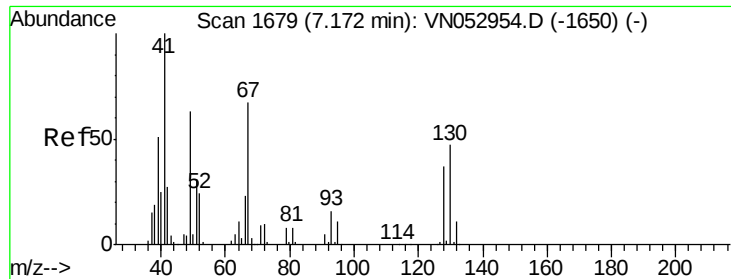
Tot Ion: 83 Resp: 815609
Ion Ratio Lower Upper
83 100
55 74.5 61.3 91.9
98 45.5 37.0 55.4



#40
Benzene
Concen: 49.203 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 78 Resp: 2094554
Ion Ratio Lower Upper
78 100
77 23.5 18.5 27.7

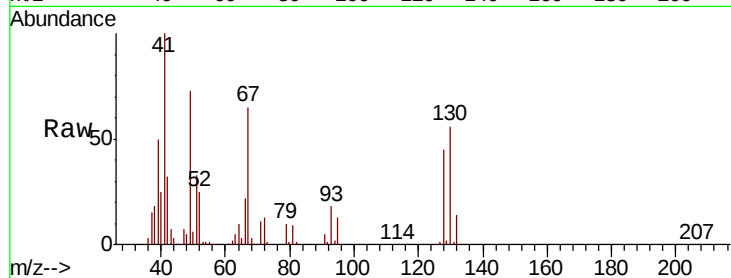




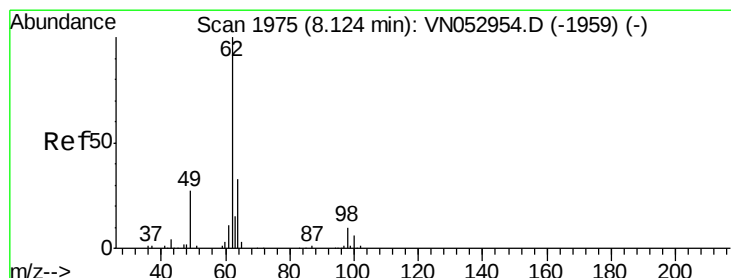
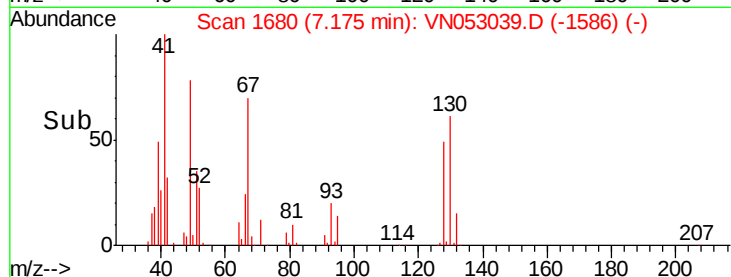
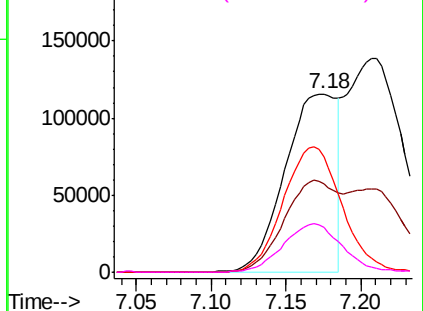
#41
Methacrylonitrile
Concen: 60.262 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion:	41	Resp:	278185
Ion	Ratio	Lower	Upper
41	100		
39	54.1	48.0	72.0
67	79.7	70.3	105.5
52	31.3	26.9	40.3

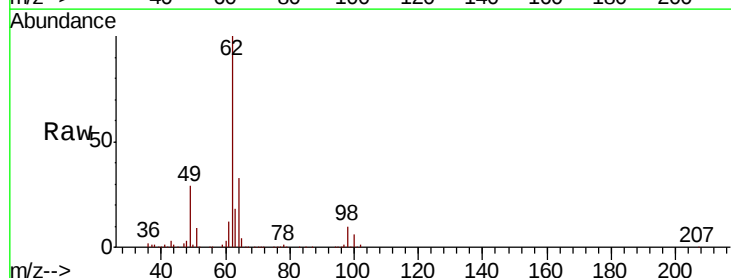


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

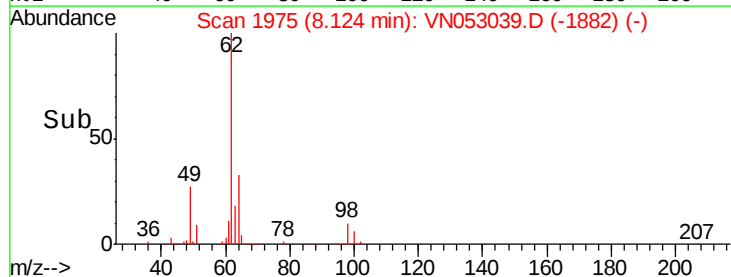
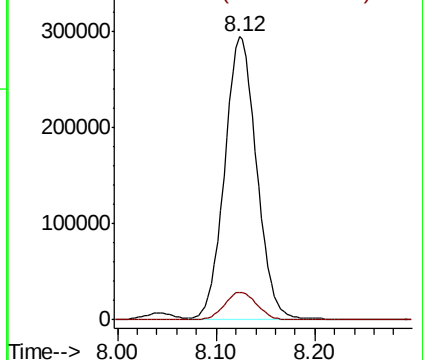


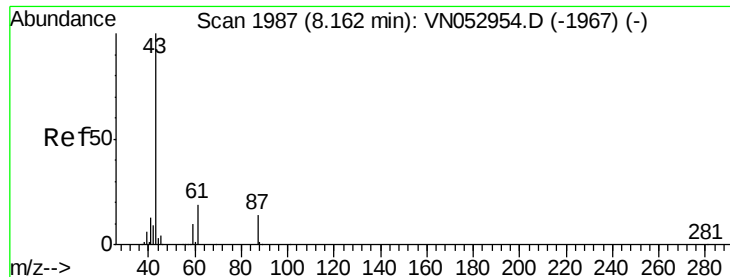
#42
1,2-Dichloroethane
Concen: 52.638 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:	62	Resp:	661963
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



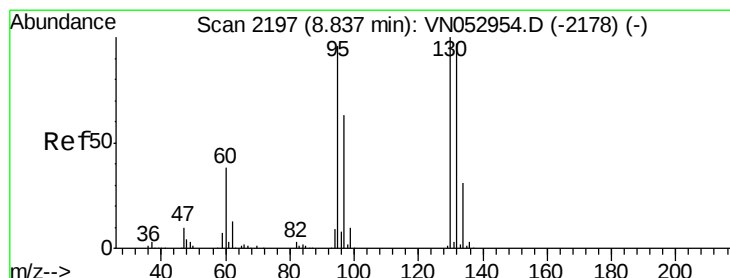
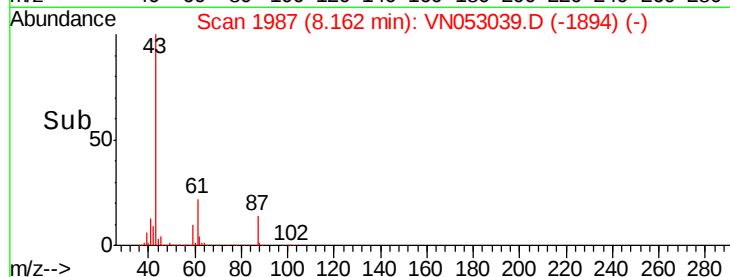
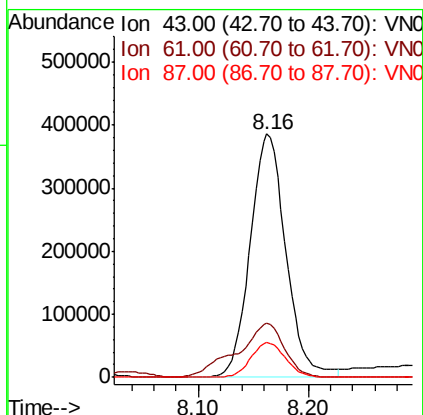
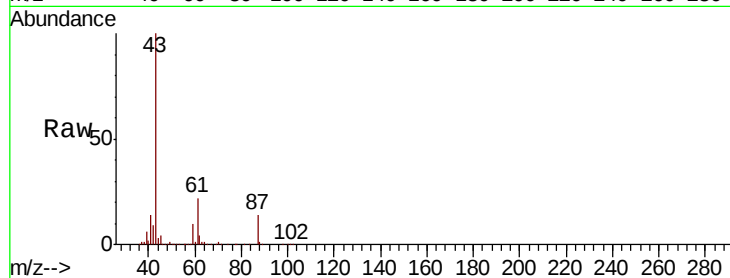


#43

Isopropyl Acetate
 Concen: 55.887 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

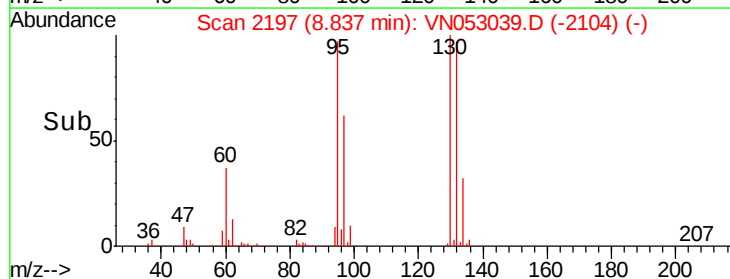
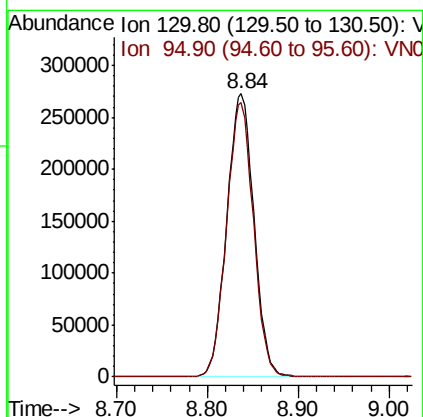
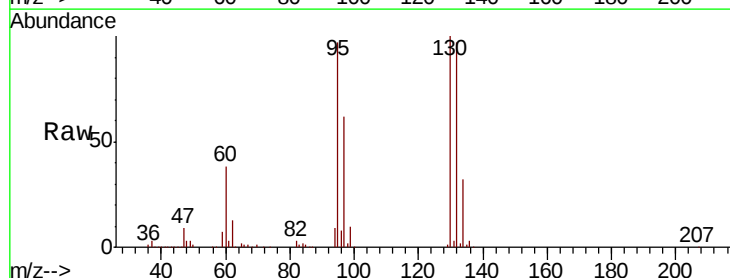
Tot Ion	43	Resp	862161
Ion Ratio	Lower	Upper	
43	100		
61	29.0	22.9	34.3
87	13.9	10.6	15.8

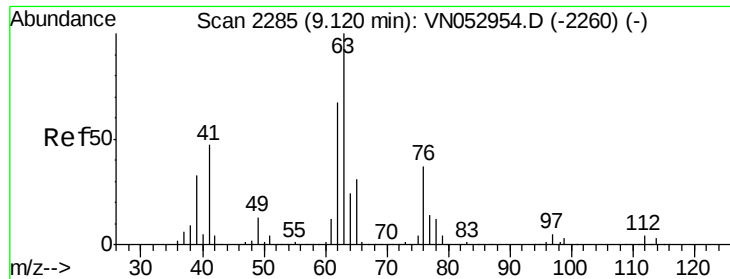


#44

Trichloroethene
 Concen: 45.985 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion	130	Resp	566200
Ion Ratio	Lower	Upper	
130	100		
95	96.8	0.0	197.8

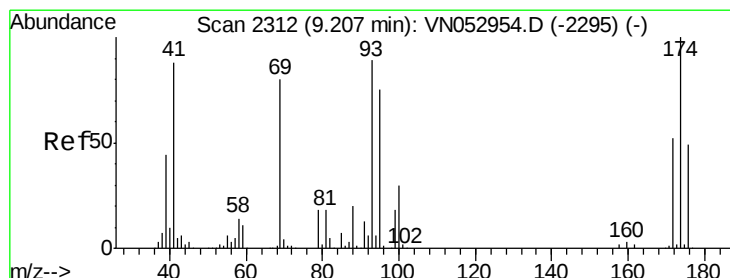
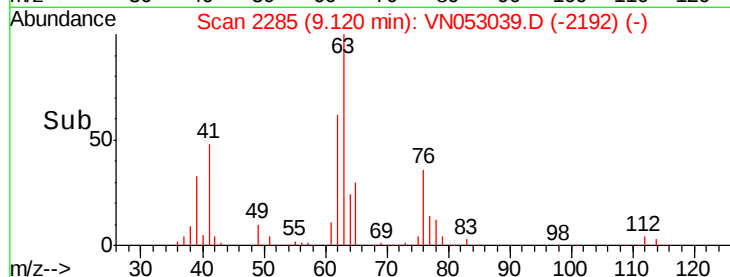
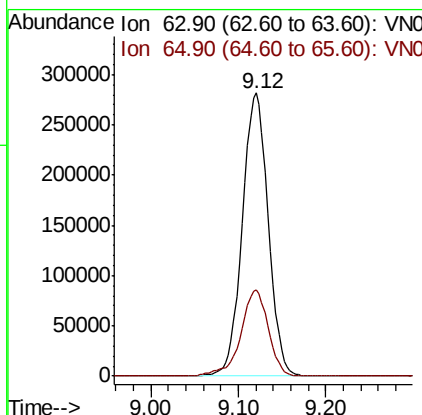
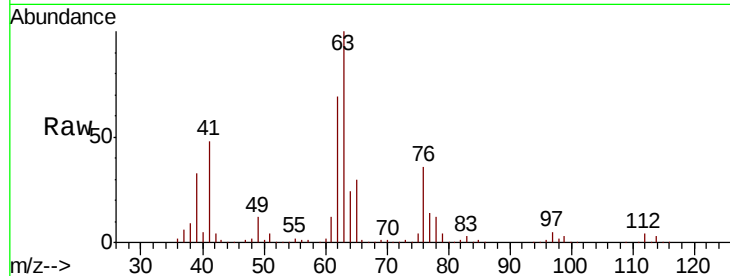




#45
 1,2-Dichloropropane
 Concen: 52.297 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

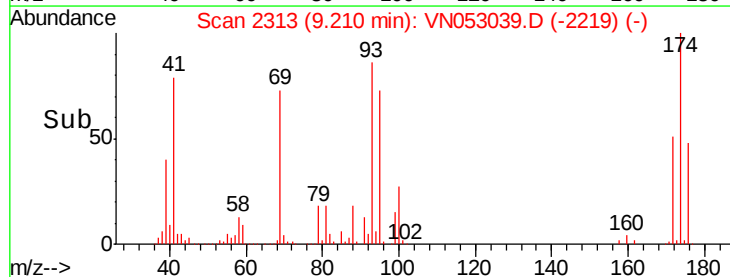
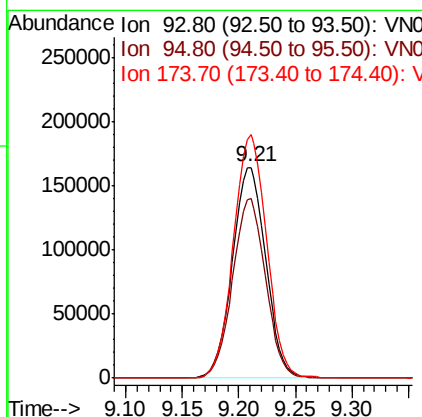
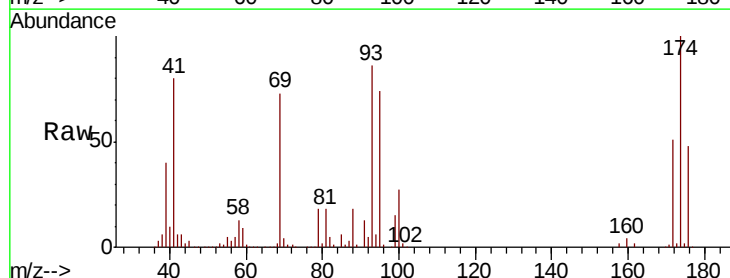
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion: 63 Resp: 579879
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 37.0



#46
 Dibromomethane
 Concen: 52.319 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion: 93 Resp: 337948
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.8 101.6
 174 115.0 89.0 133.4

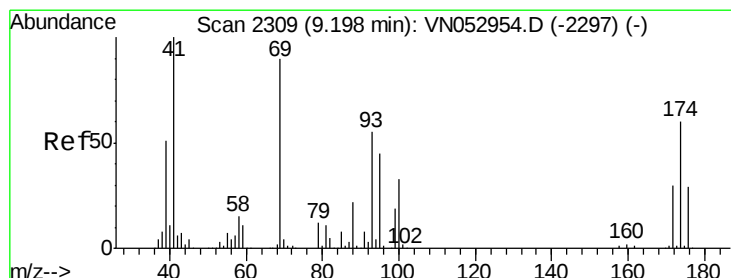
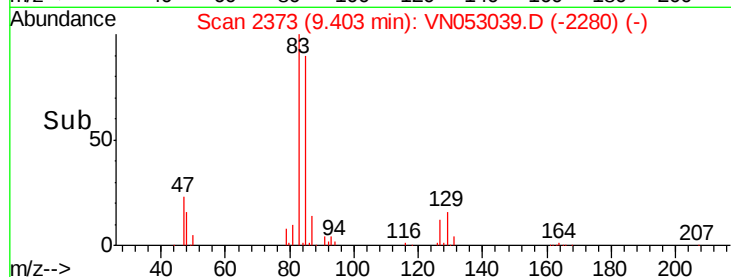
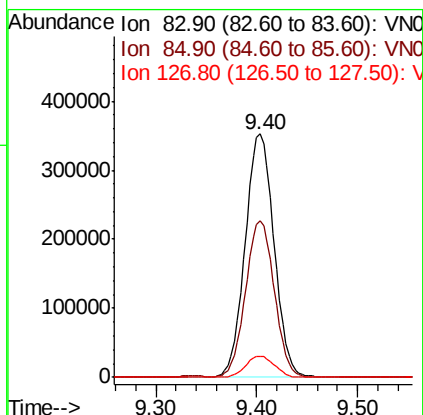
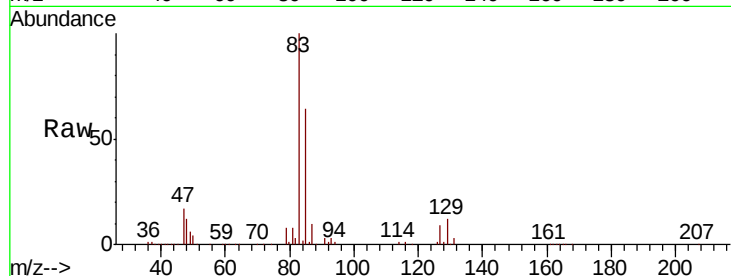




#47
Bromodichloromethane
Concen: 50.708 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

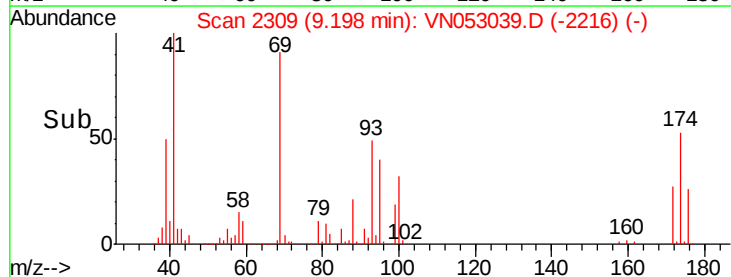
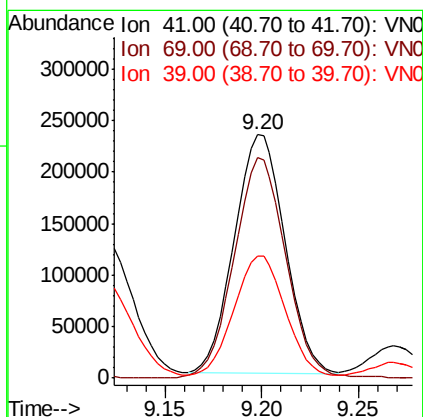
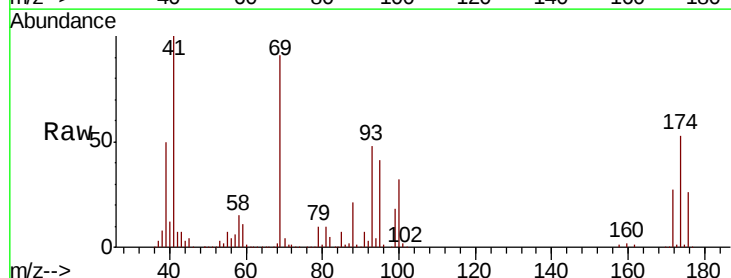
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

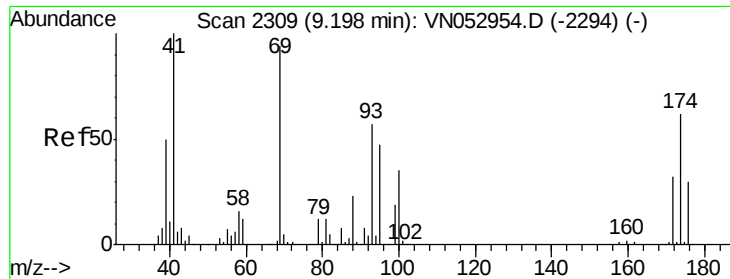
Tot Ion: 83 Resp: 696248
Ion Ratio Lower Upper
83 100
85 64.1 51.6 77.4
127 8.8 7.1 10.7



#48
Methyl methacrylate
Concen: 54.613 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 41 Resp: 423396
Ion Ratio Lower Upper
41 100
69 93.4 72.2 108.2
39 52.2 41.9 62.9





#49

1,4-Dioxane

Concen: 1026.751 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

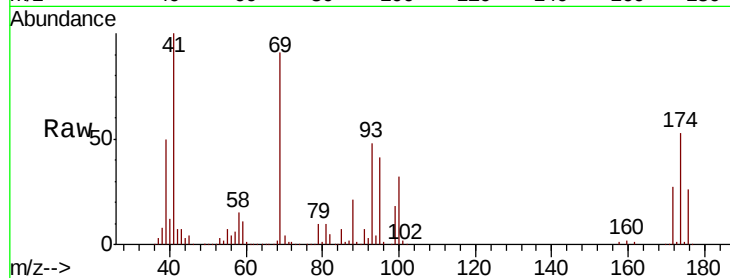
Tot Ion: 88 Resp: 100692

Ion Ratio Lower Upper

88 100

43 25.5 26.6 40.0#

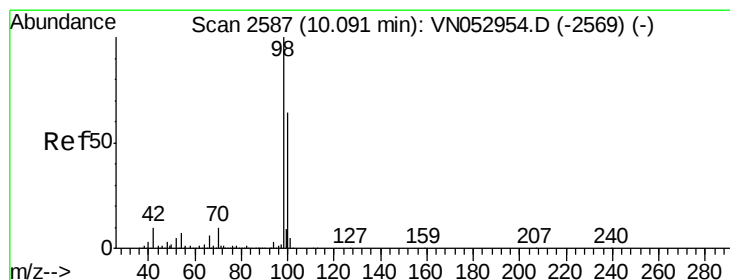
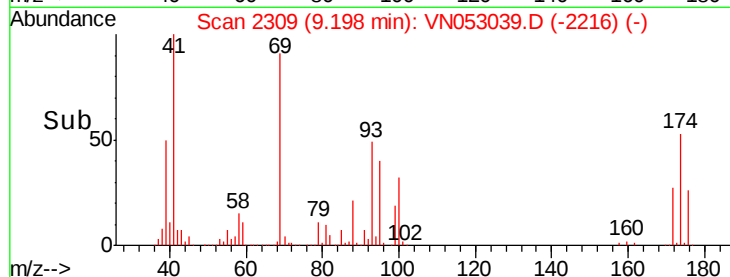
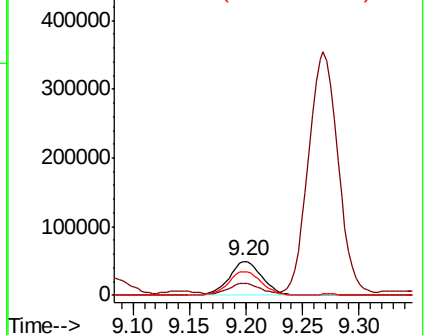
58 69.3 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN053039.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053039.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053039.D (-2216) (-)



#50

Toluene-d8

Concen: 1026.751 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053039.D

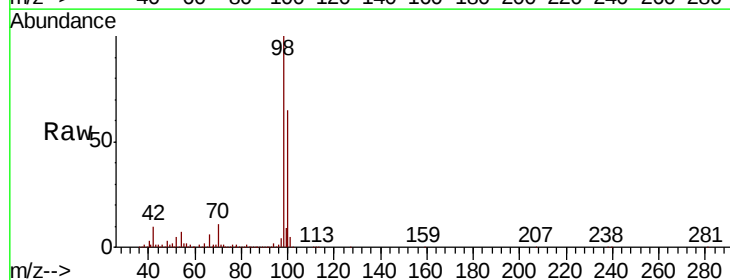
Acq: 20 Dec 2018 4:37

Tgt Ion: 98 Resp: 1923956

Ion Ratio Lower Upper

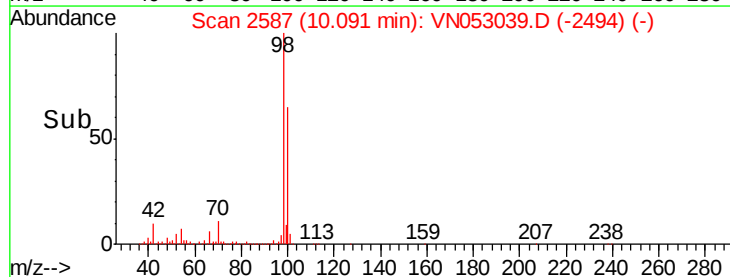
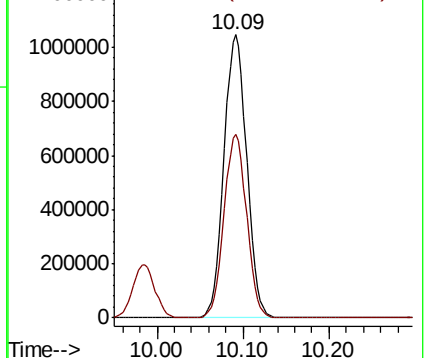
98 100

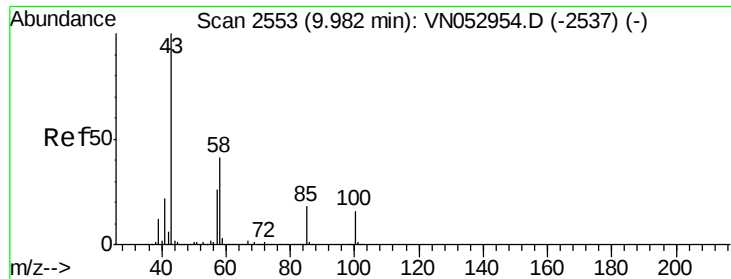
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053039.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053039.D (-2494) (-)

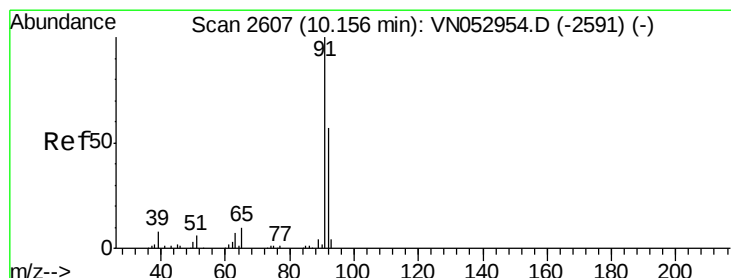
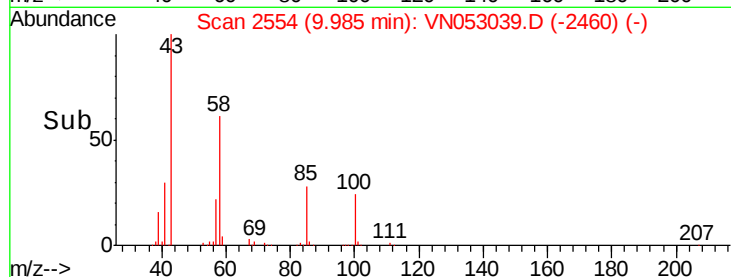
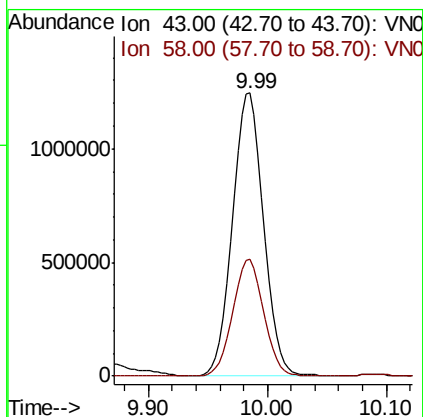
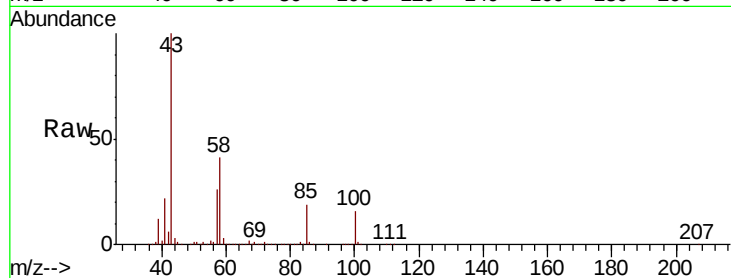




#51
 4-Methyl-2-Pentanone
 Concen: 289.840 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

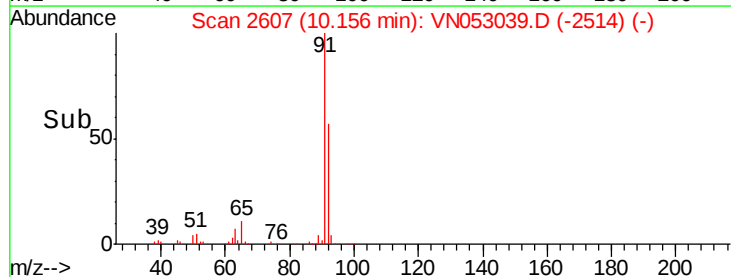
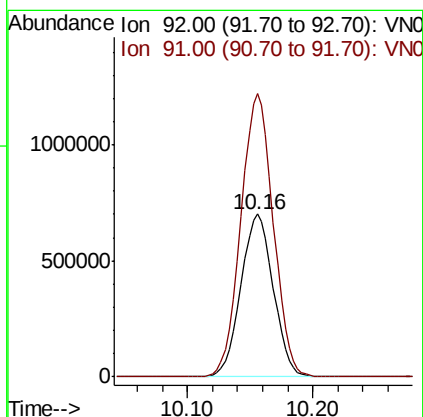
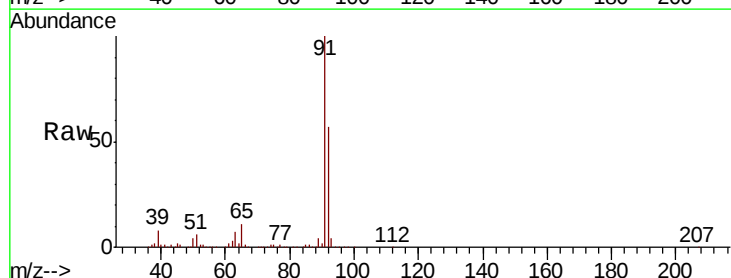
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

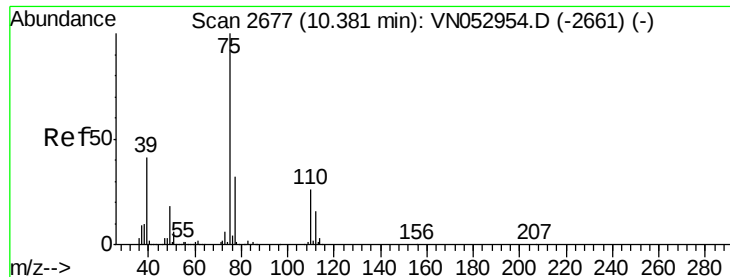
Tot Ion: 43 Resp: 2242536
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.2 48.4



#52
 Toluene
 Concen: 47.604 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion: 92 Resp: 1256079
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 48.252 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

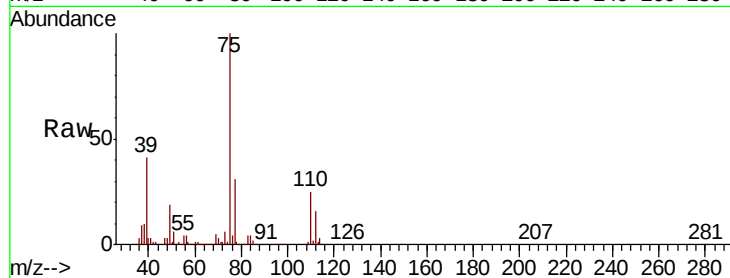
EP1-MW-K(12-13FT)1218MS

Tot Ion: 75 Resp: 696664

Ion Ratio Lower Upper

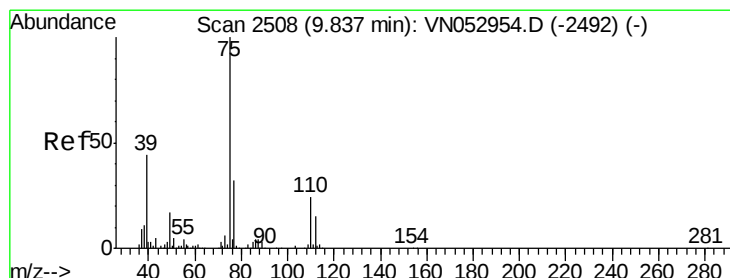
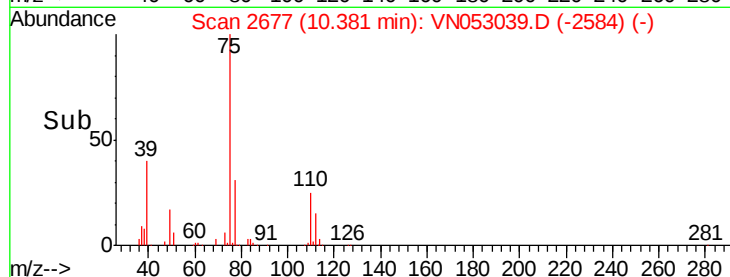
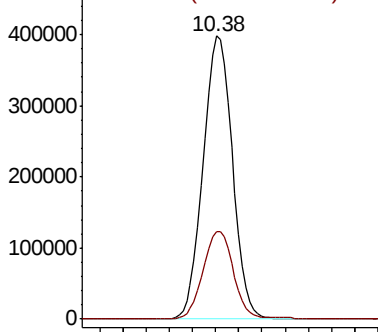
75 100

77 30.8 25.6 38.4



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: 49.005 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

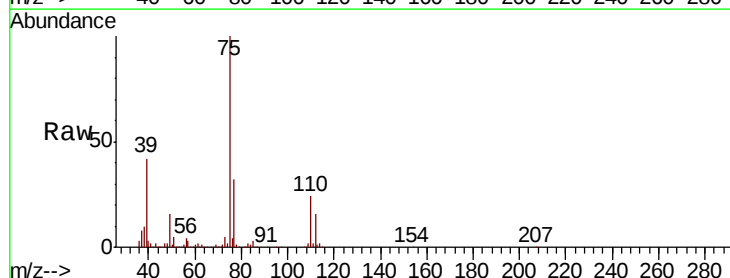
Tgt Ion: 75 Resp: 812140

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

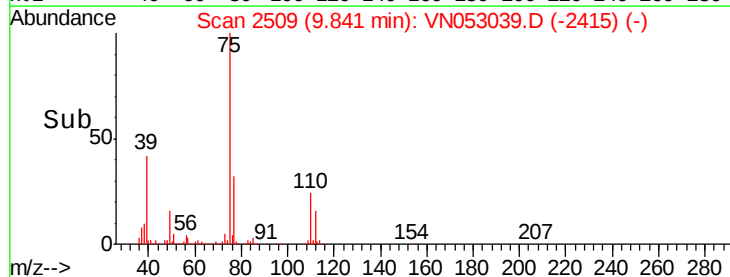
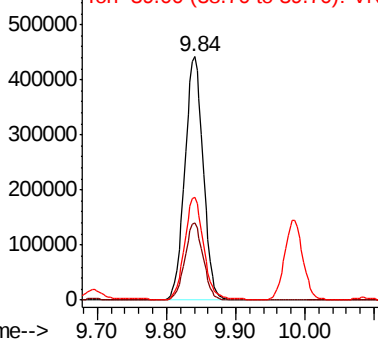
39 42.0 34.8 52.2



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

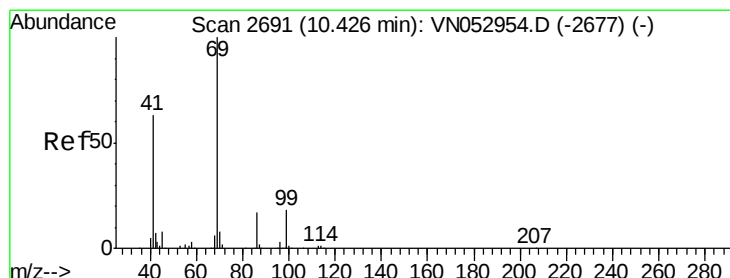
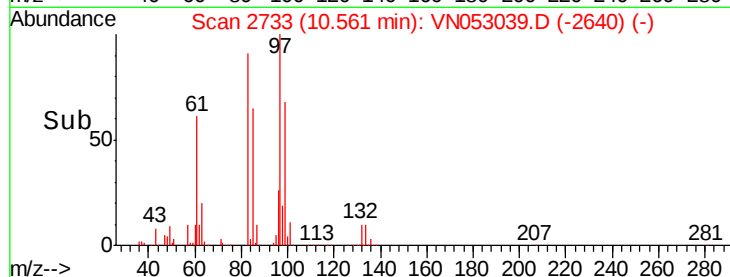
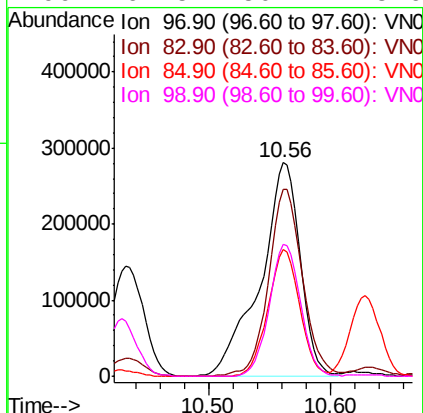
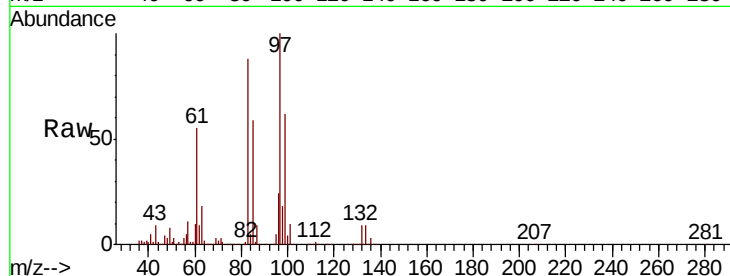




#55
 1,1,2-Trichloroethane
 Concen: 69.637 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

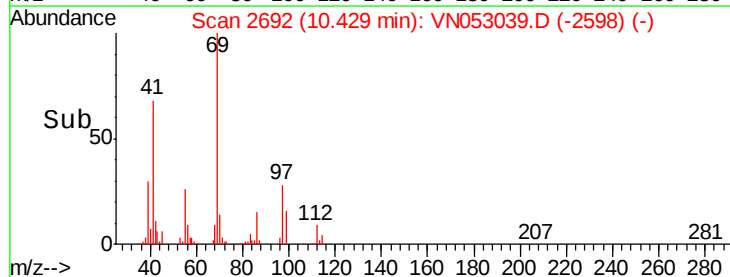
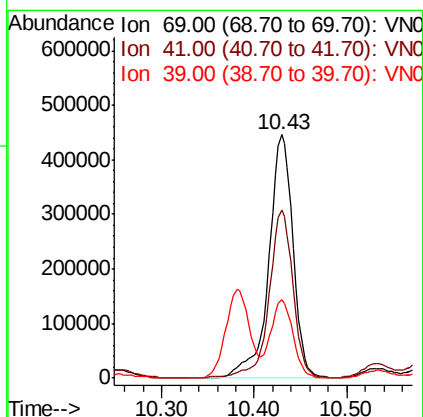
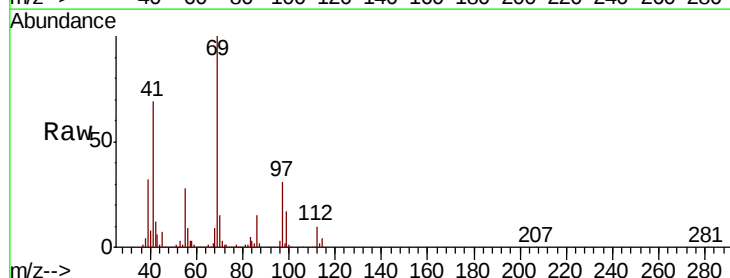
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion: 97 Resp: 641019
 Ion Ratio Lower Upper
 97 100
 83 87.6 70.9 106.3
 85 59.3 45.4 68.2
 99 61.5 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 66.803 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion: 69 Resp: 813919
 Ion Ratio Lower Upper
 69 100
 41 68.2 51.7 77.5
 39 29.4 24.6 37.0





#57

1,3-Dichloropropane

Concen: 54.055 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

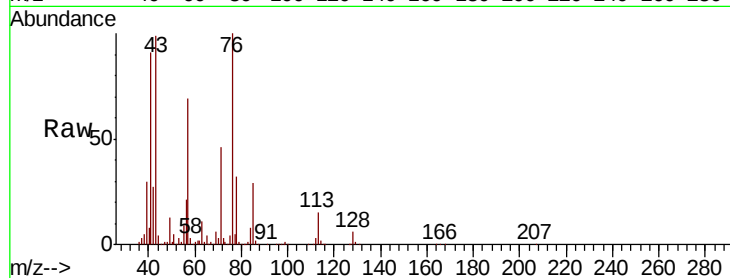
EP1-MW-K(12-13FT)1218MS

Tot Ion: 76 Resp: 853275

Ion Ratio Lower Upper

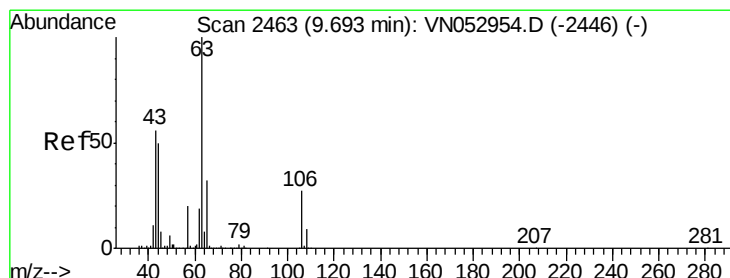
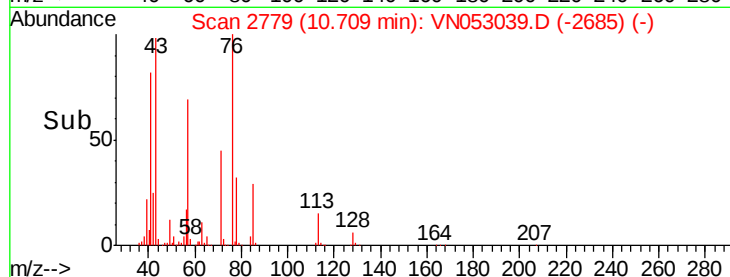
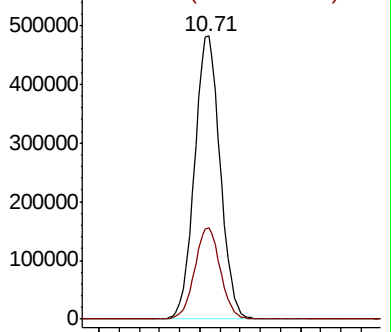
76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 282.717 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053039.D

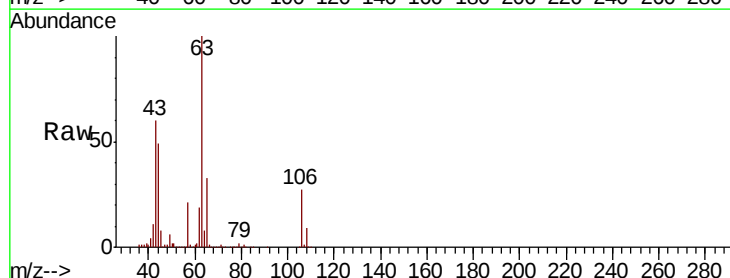
Acq: 20 Dec 2018 4:37

Tgt Ion: 63 Resp: 1891081

Ion Ratio Lower Upper

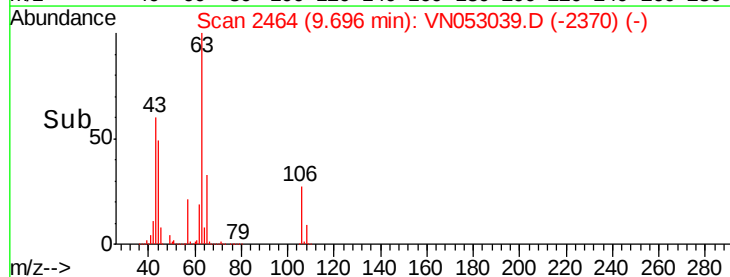
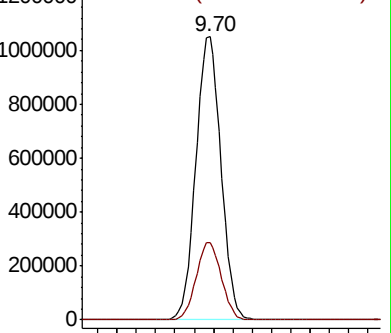
63 100

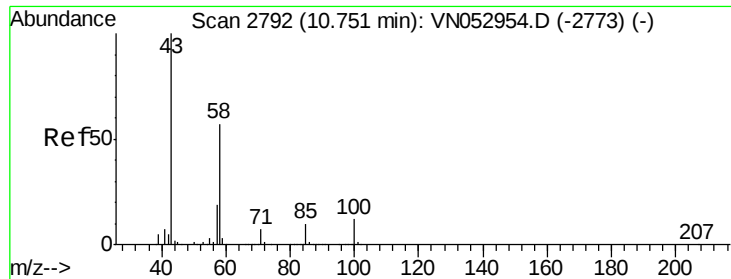
106 27.3 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

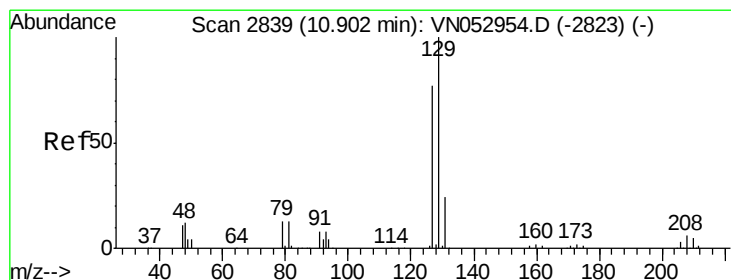
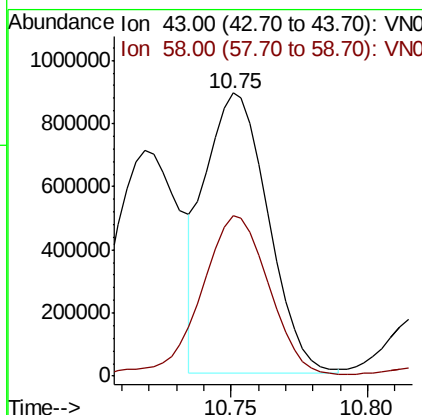
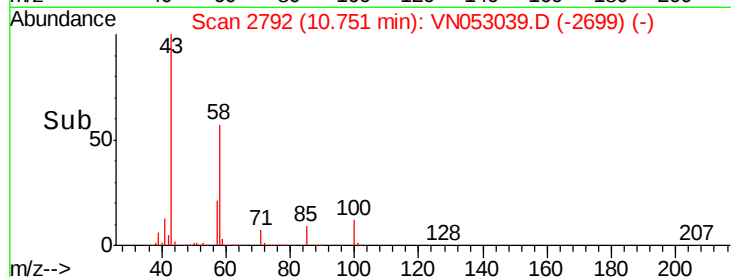
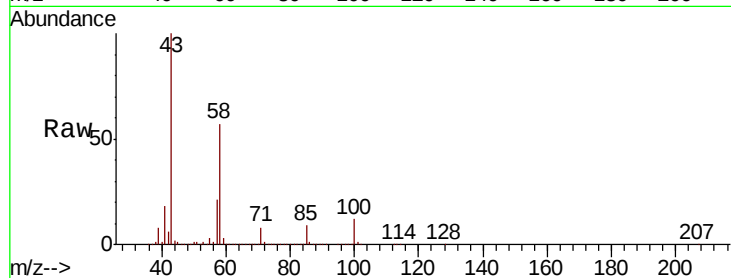




#59
2-Hexanone
Concen: 270.583 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

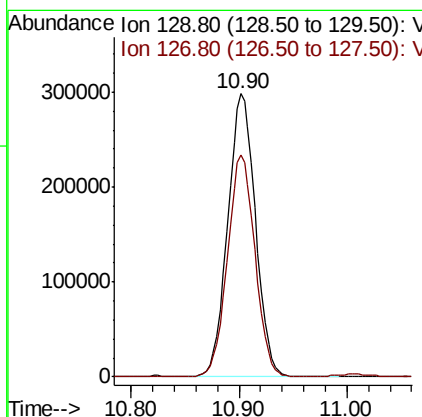
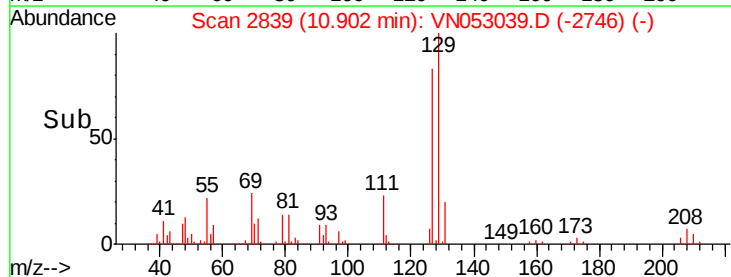
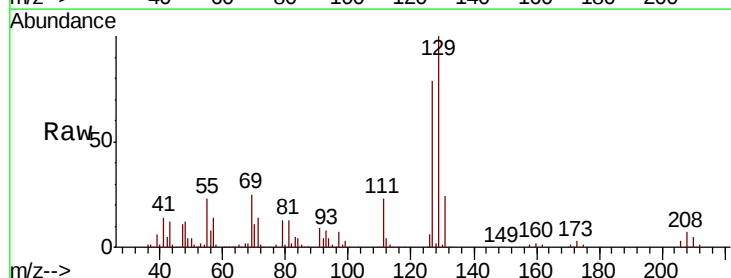
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

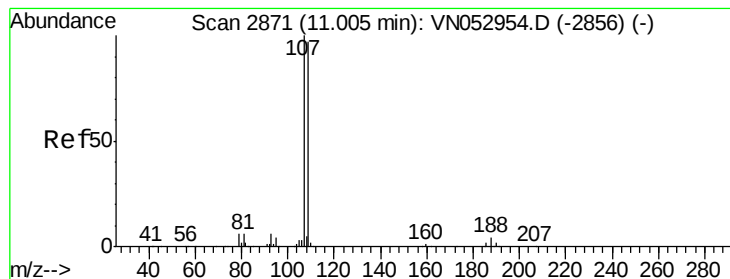
Tot Ion: 43 Resp: 1416455
Ion Ratio Lower Upper
43 100
58 62.8 28.1 84.3



#60
Dibromochloromethane
Concen: 50.720 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 129 Resp: 534438
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 53.263 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

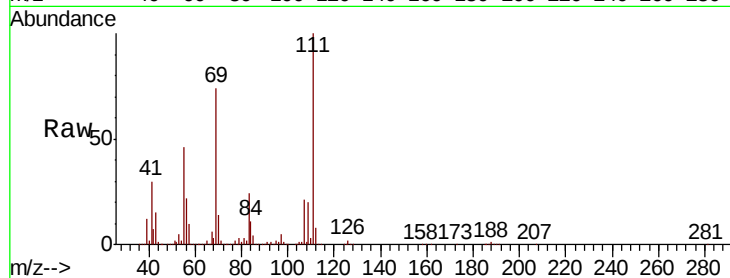
EP1-MW-K(12-13FT)1218MS

Tot Ion:107 Resp: 497946

Ion Ratio Lower Upper

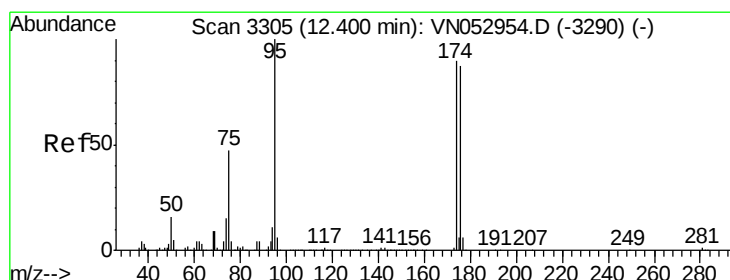
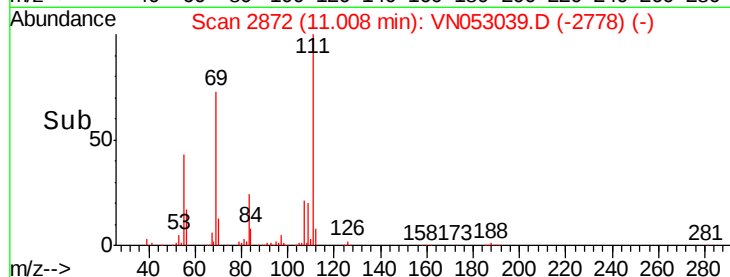
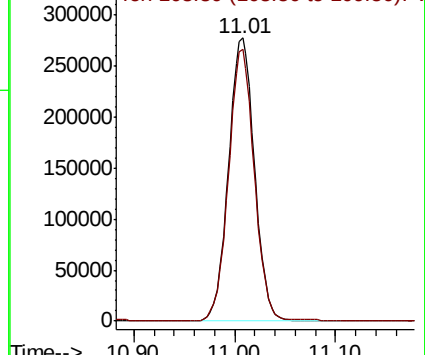
107 100

109 95.1 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.263 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

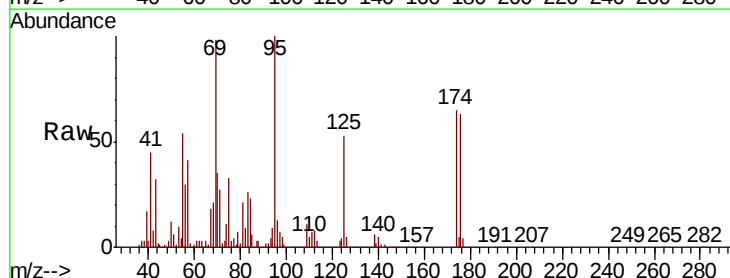
Tgt Ion: 95 Resp: 915735

Ion Ratio Lower Upper

95 100

174 62.2 0.0 178.8

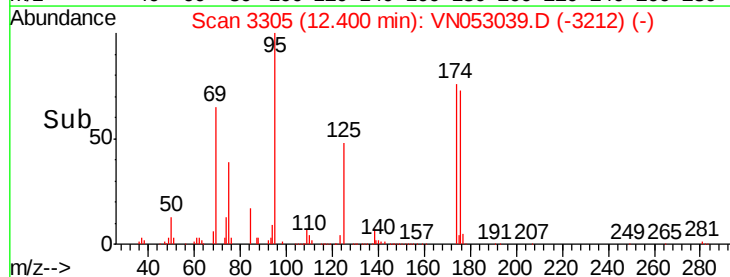
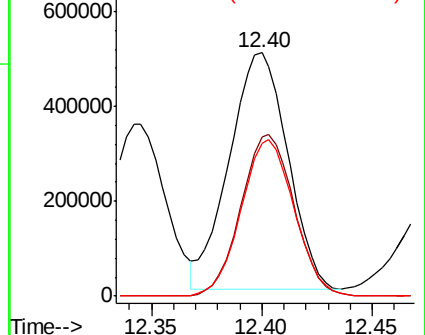
176 60.1 0.0 173.8

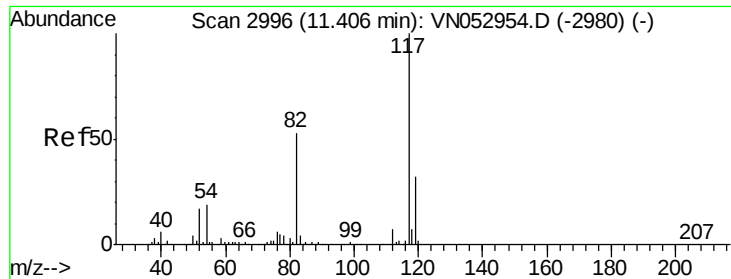


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

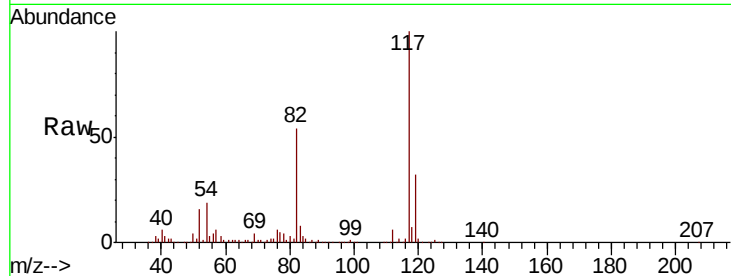




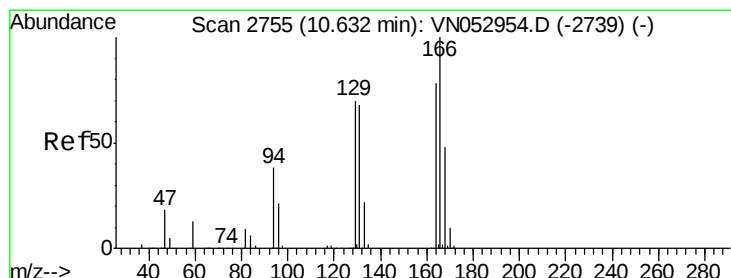
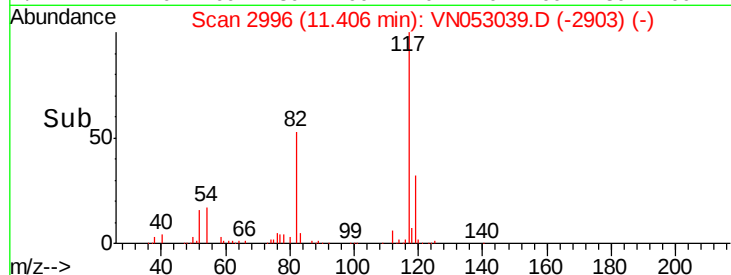
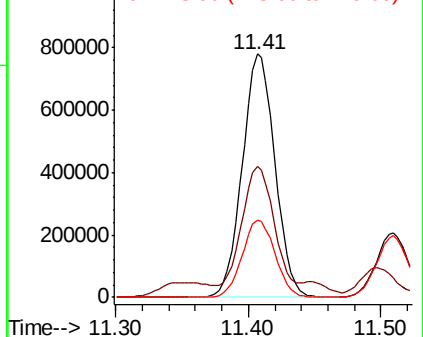
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion:117 Resp: 1332611
Ion Ratio Lower Upper
117 100
82 51.6 42.8 64.2
119 31.9 25.5 38.3

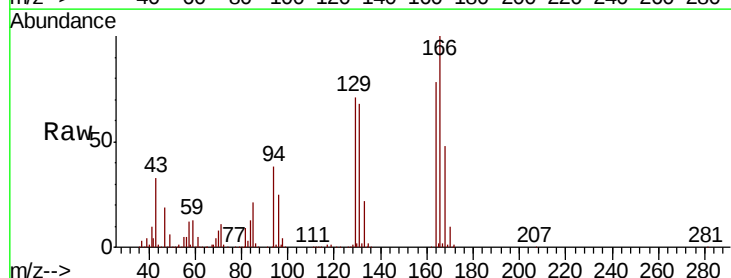


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

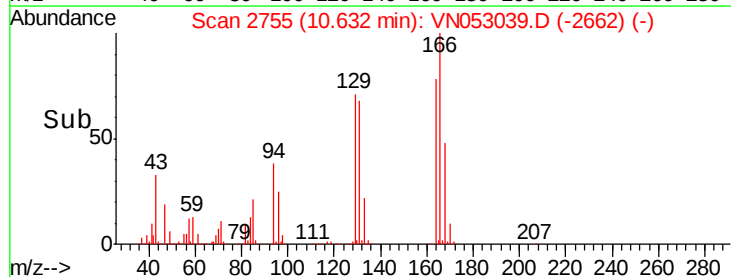
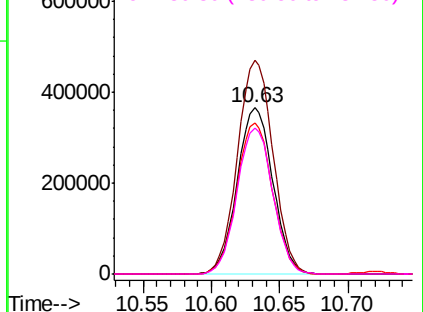


#64
Tetrachloroethene
Concen: 46.067 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:164 Resp: 664983
Ion Ratio Lower Upper
164 100
166 128.6 102.9 154.3
129 91.1 73.7 110.5
131 88.0 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

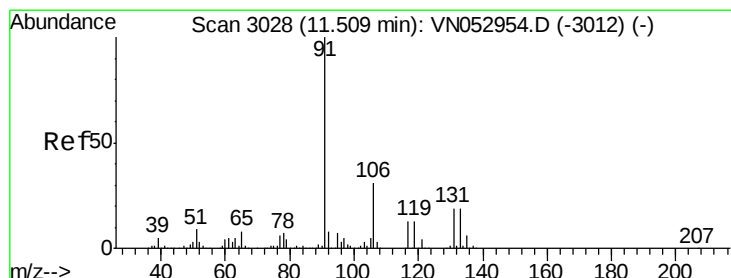
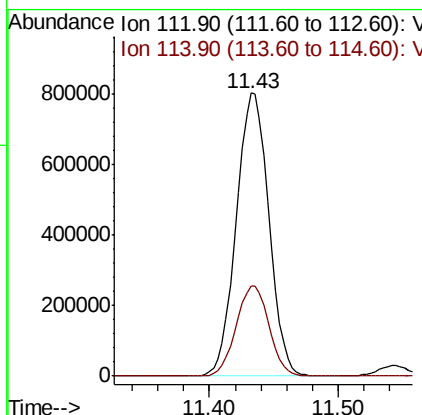
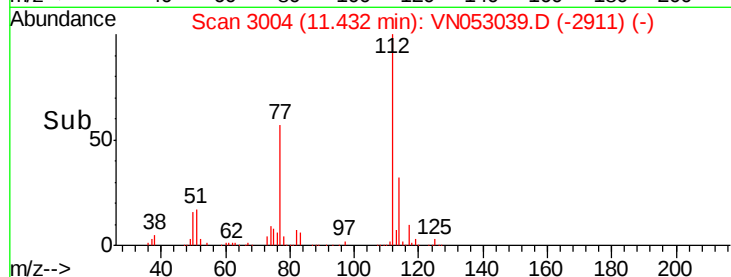
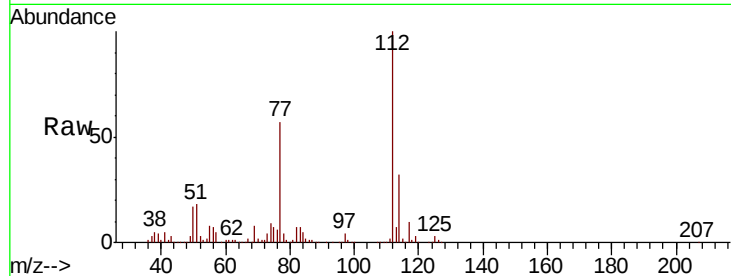




#65
Chlorobenzene
Concen: 47.685 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

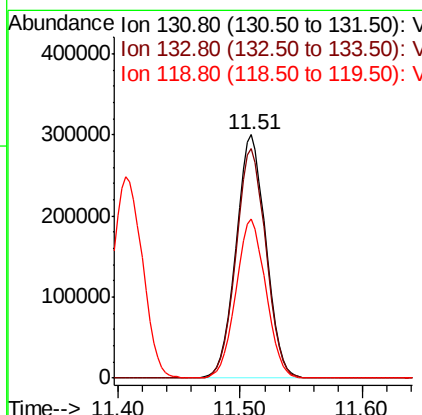
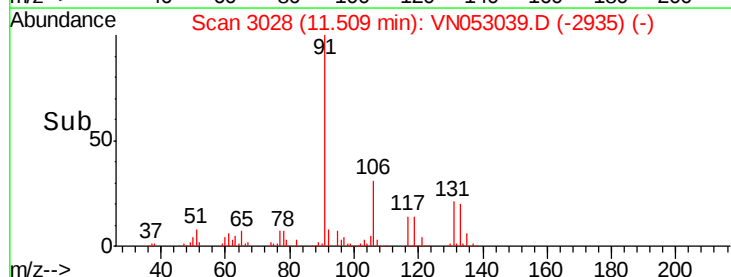
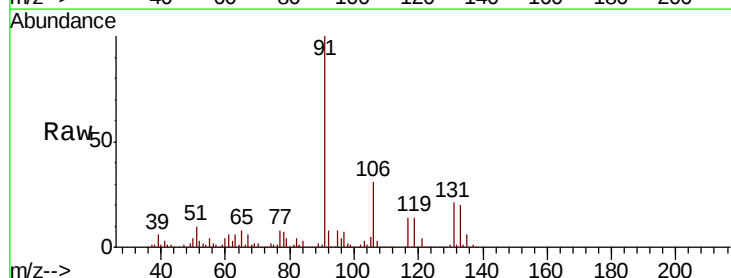
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

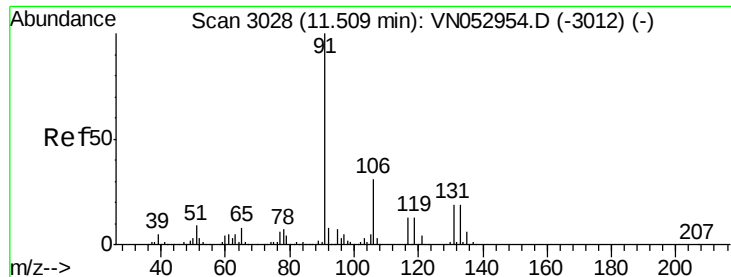
Tot Ion:112 Resp: 1408615
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.371 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:131 Resp: 507163
Ion Ratio Lower Upper
131 100
133 94.8 47.6 142.9
119 65.7 33.3 99.8





#67

Ethyl Benzene

Concen: 46.681 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

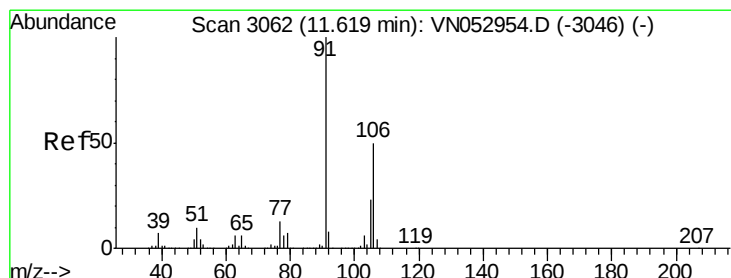
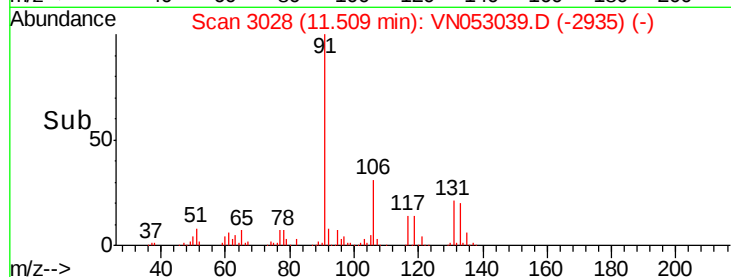
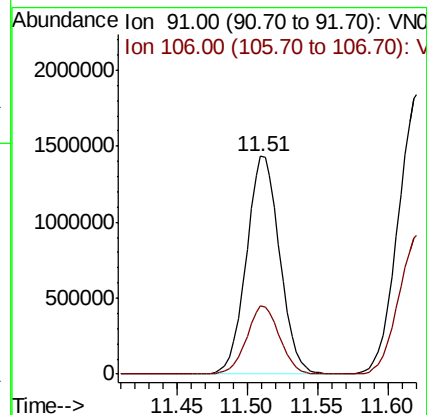
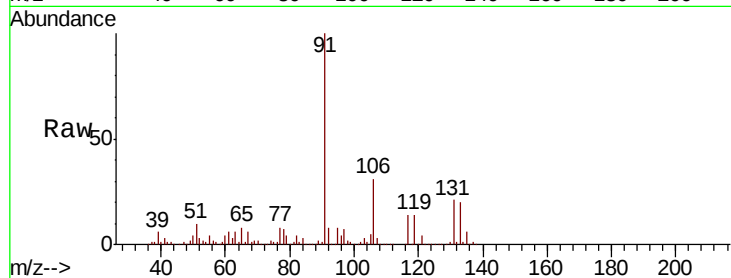
EP1-MW-K(12-13FT)1218MS

Tot Ion: 91 Resp: 2371472

Ion Ratio Lower Upper

91 100

106 31.2 24.9 37.3



#68

m/p-Xylenes

Concen: 92.136 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053039.D

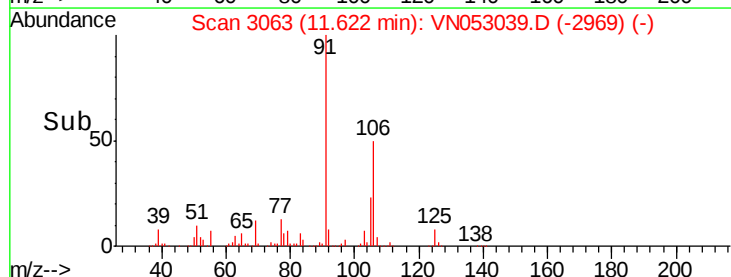
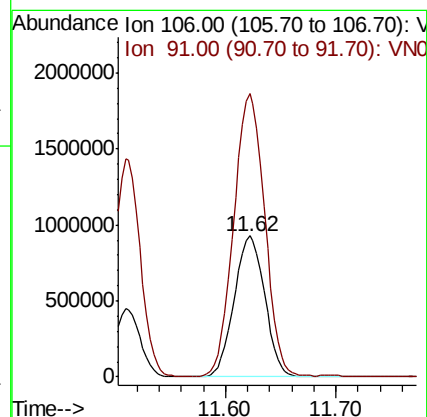
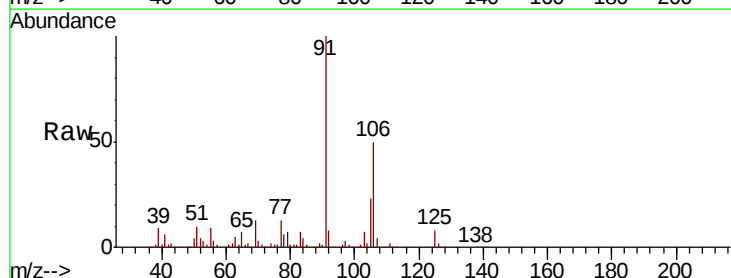
Acq: 20 Dec 2018 4:37

Tgt Ion: 106 Resp: 1779376

Ion Ratio Lower Upper

106 100

91 203.1 162.2 243.4

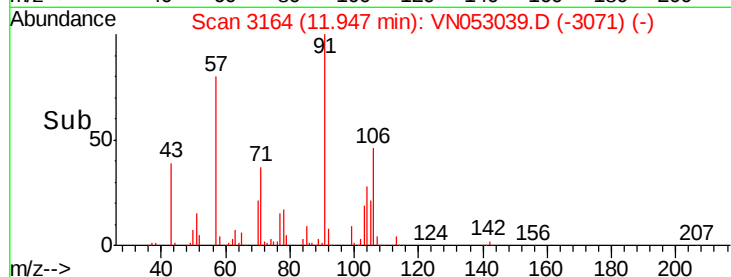
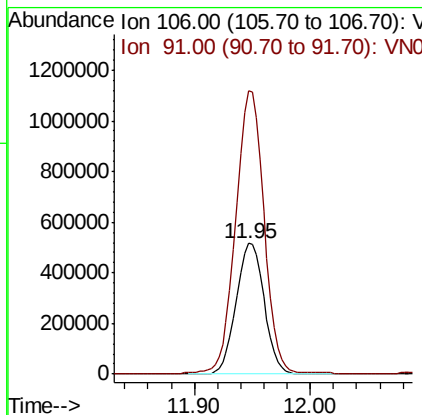
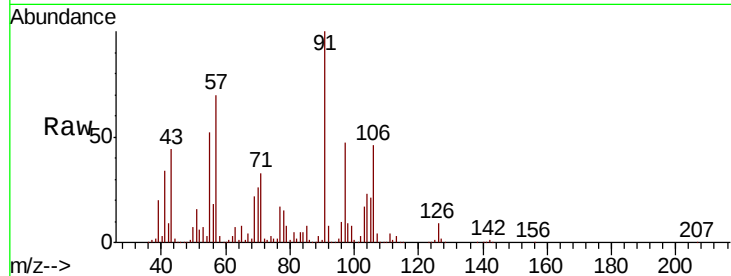




#69
o-Xylene
Concen: 46.596 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

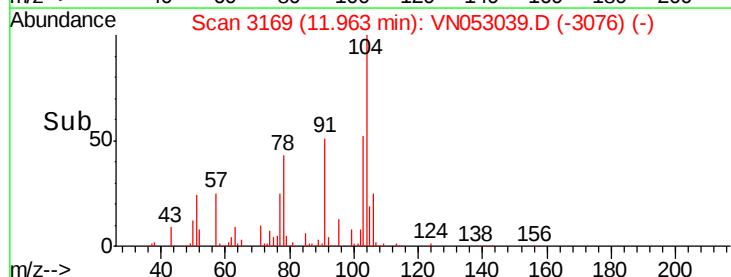
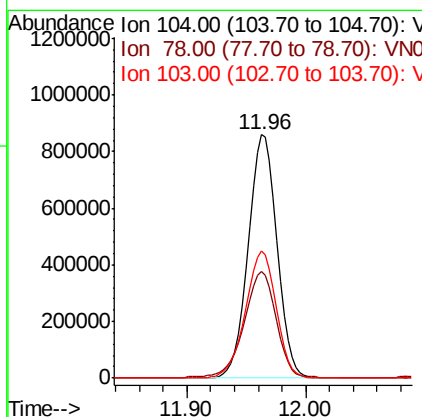
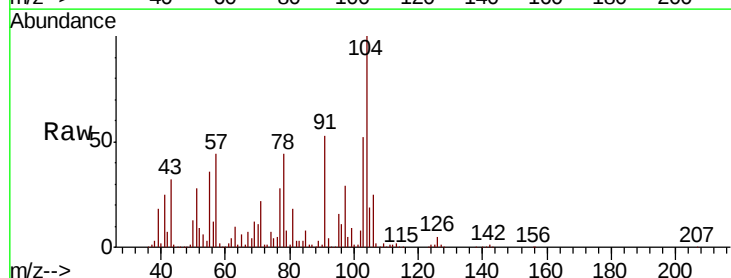
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

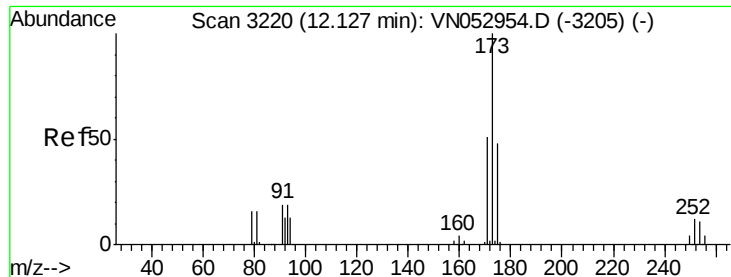
Tot Ion:106 Resp: 863510
Ion Ratio Lower Upper
106 100
91 219.7 106.6 319.8



#70
Styrene
Concen: 47.579 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:104 Resp: 1437753
Ion Ratio Lower Upper
104 100
78 49.5 38.9 58.3
103 56.0 44.3 66.5

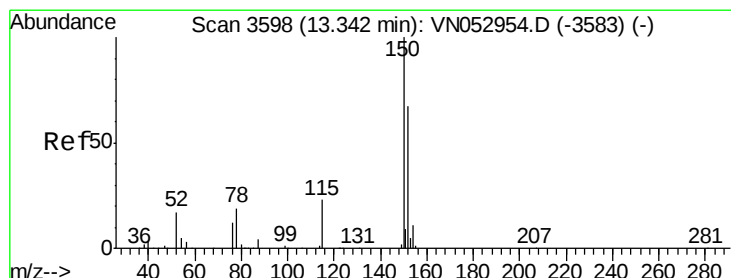
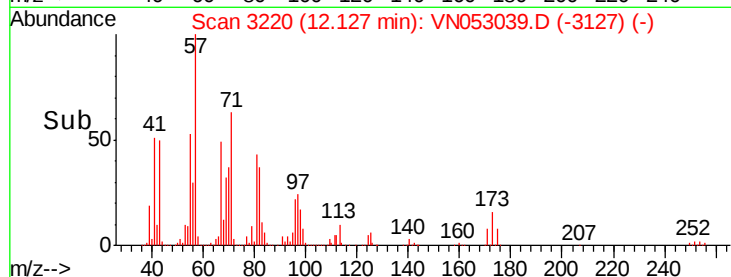
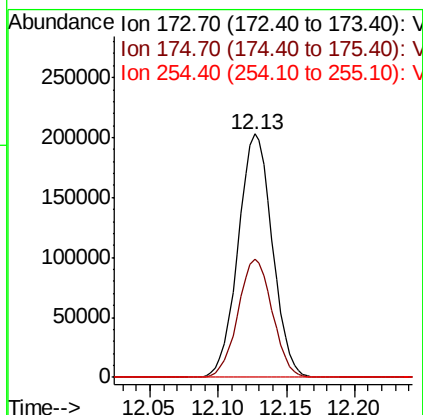
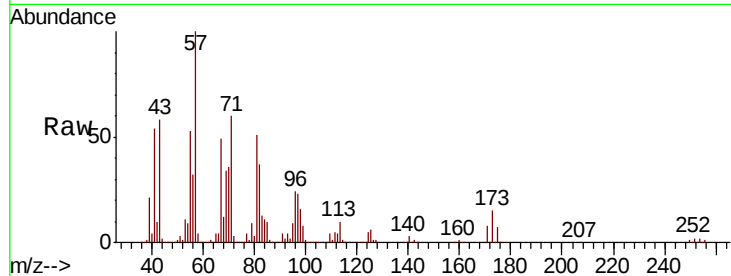




#71
Bromoform
Concen: 47.556 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

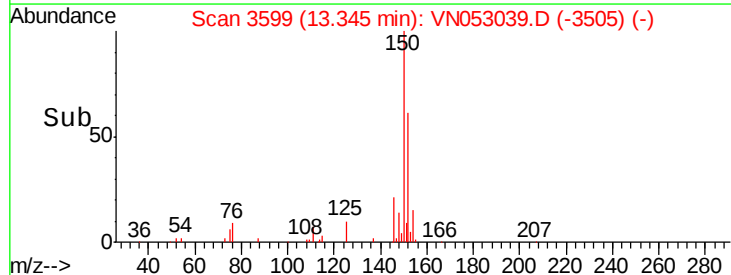
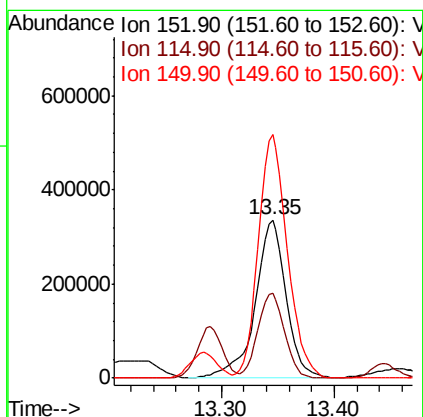
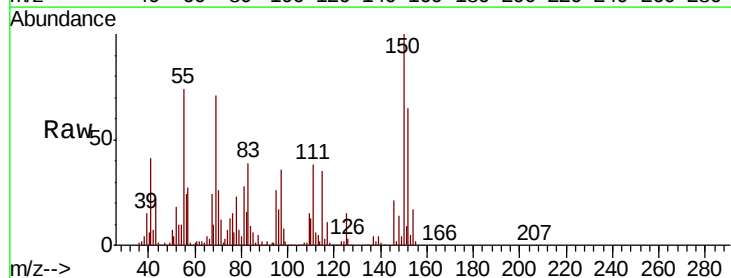
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

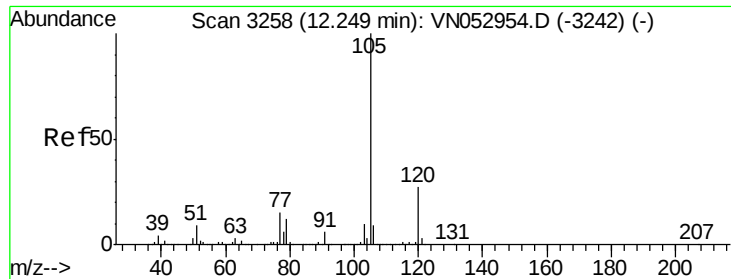
Tot Ion:173 Resp: 352916
Ion Ratio Lower Upper
173 100
175 48.9 24.3 72.9
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:152 Resp: 628656
Ion Ratio Lower Upper
152 100
115 46.5 28.3 85.0
150 146.3 0.0 347.8





#73

Isopropylbenzene

Concen: 86.358 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

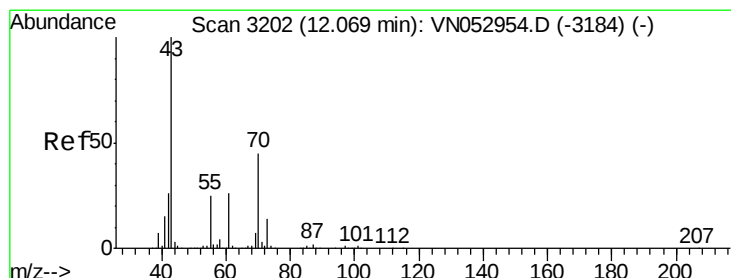
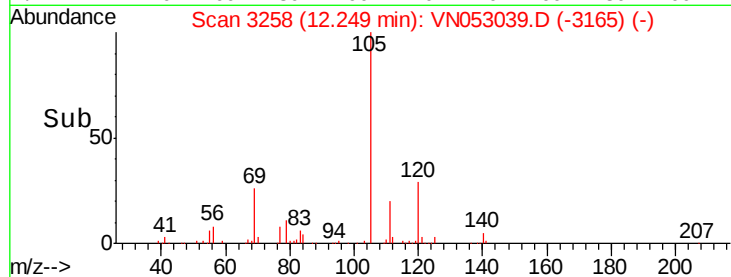
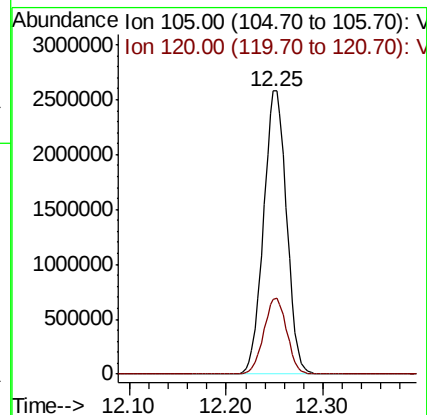
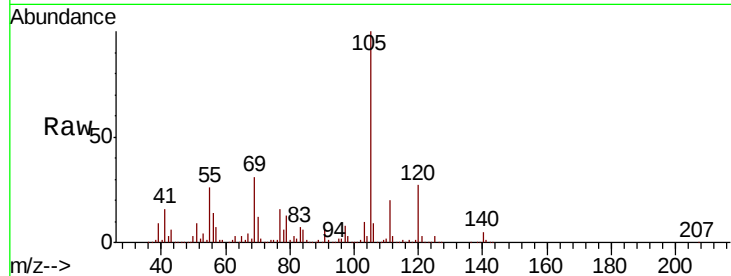
EP1-MW-K(12-13FT)1218MS

Tot Ion:105 Resp: 4247697

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 314.903 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Tgt Ion: 43 Resp: 4300336

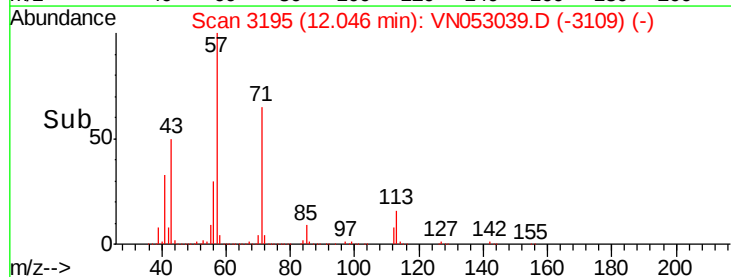
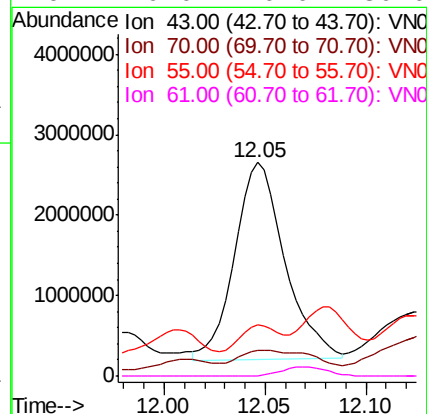
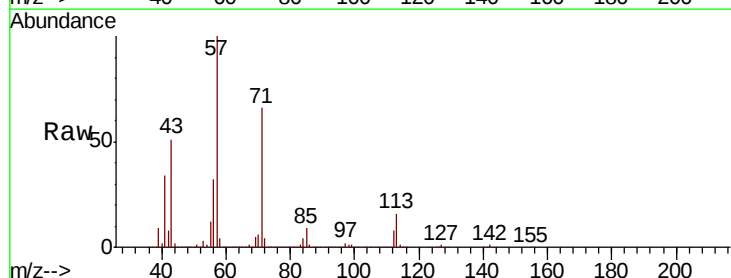
Ion Ratio Lower Upper

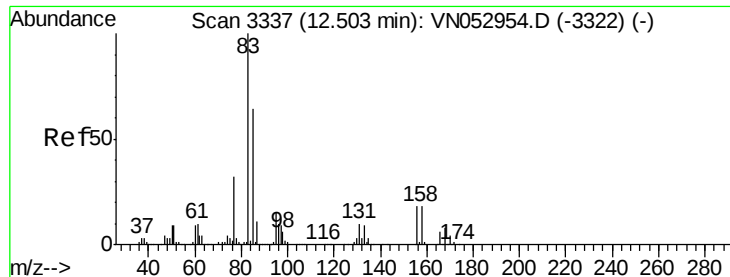
43 100

70 9.9 34.2 51.4#

55 12.5 20.3 30.5#

61 0.0 20.0 30.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 95.130 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

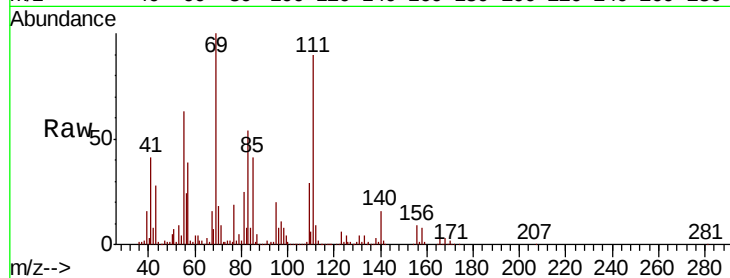
Tot Ion: 83 Resp: 917979

Ion Ratio Lower Upper

83 100

131 5.9 5.2 15.6

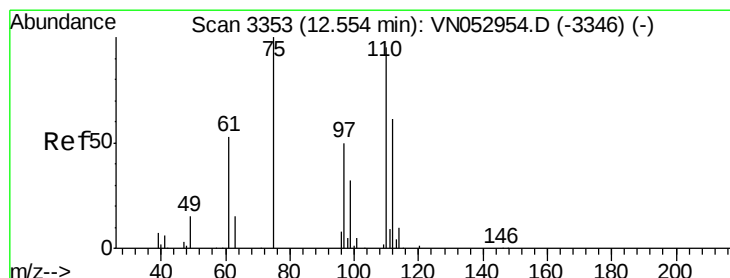
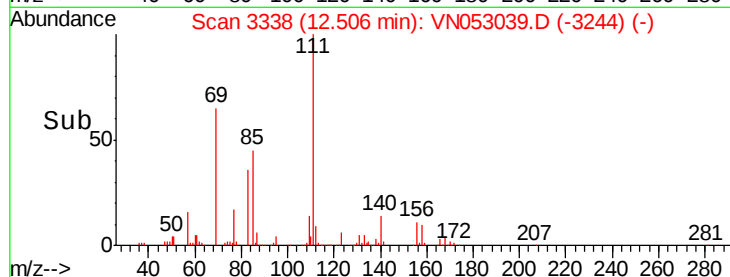
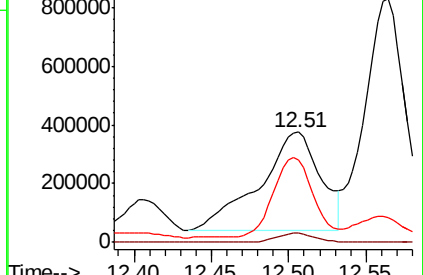
85 53.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 66.574 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053039.D

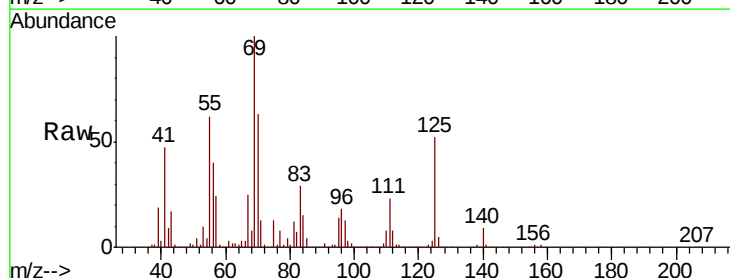
Acq: 20 Dec 2018 4:37

Tgt Ion: 75 Resp: 704538

Ion Ratio Lower Upper

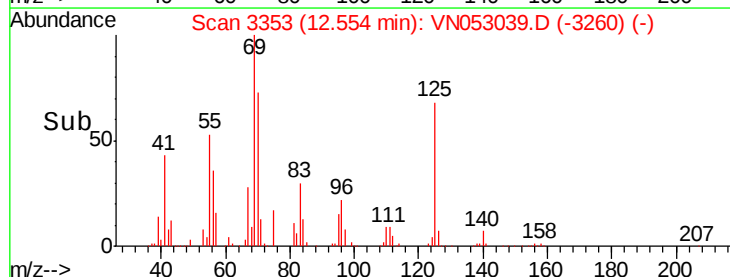
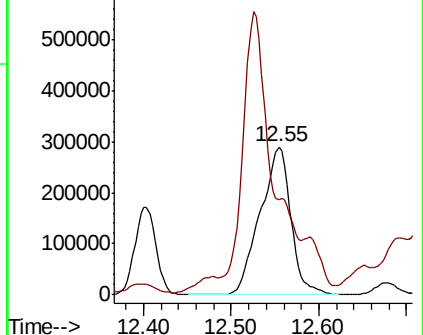
75 100

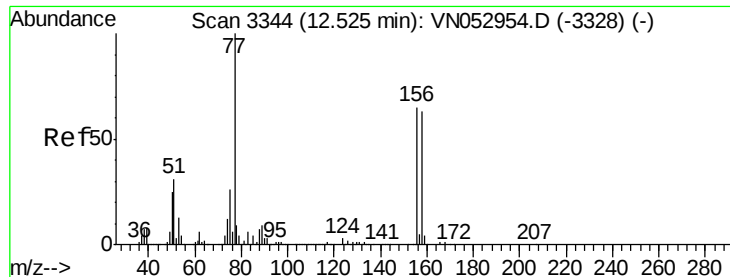
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 45.553 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

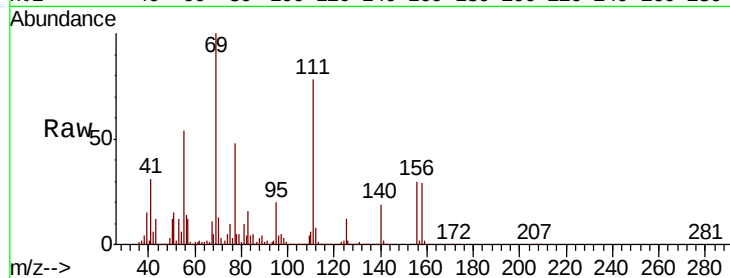
Tot Ion:156 Resp: 582427

Ion Ratio Lower Upper

156 100

77 193.7 91.3 273.8

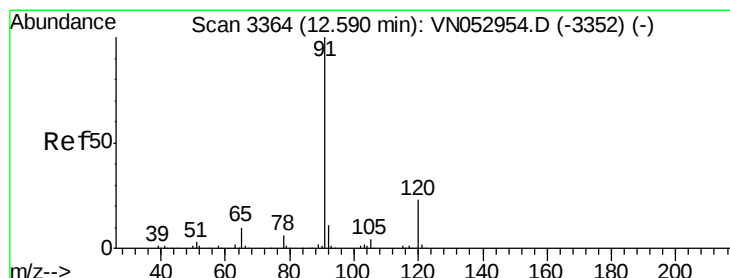
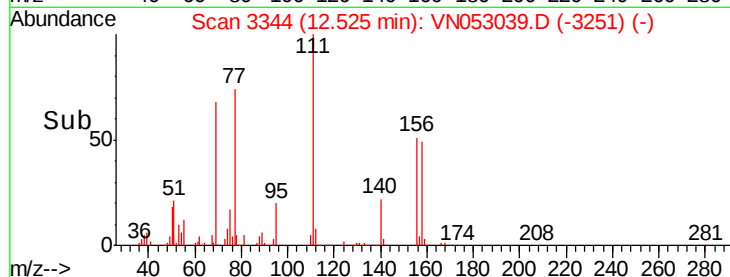
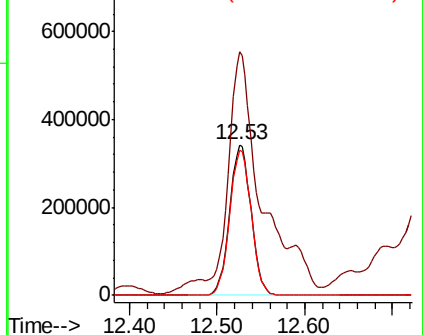
158 96.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 74.645 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053039.D

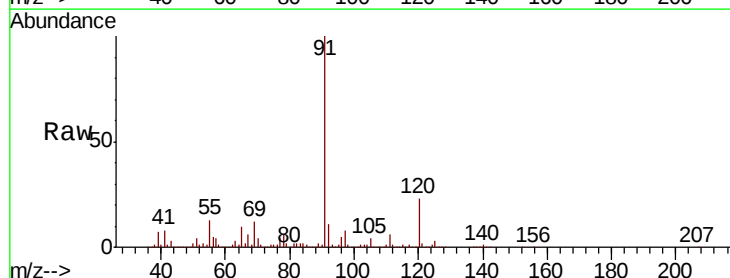
Acq: 20 Dec 2018 4:37

Tgt Ion: 91 Resp: 4181593

Ion Ratio Lower Upper

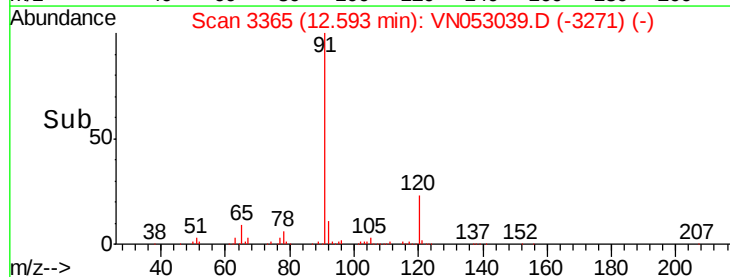
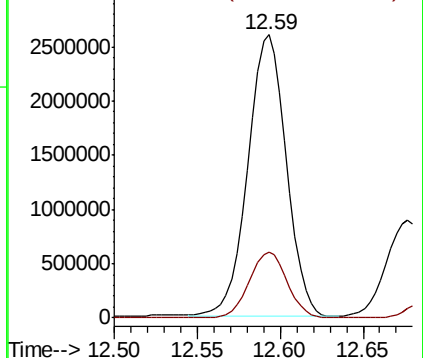
91 100

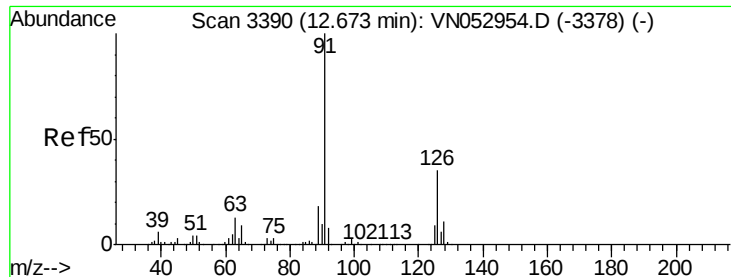
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.087 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

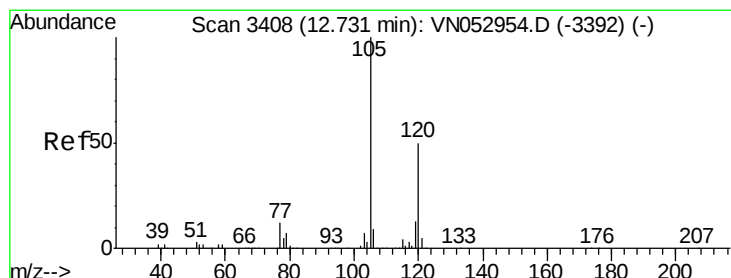
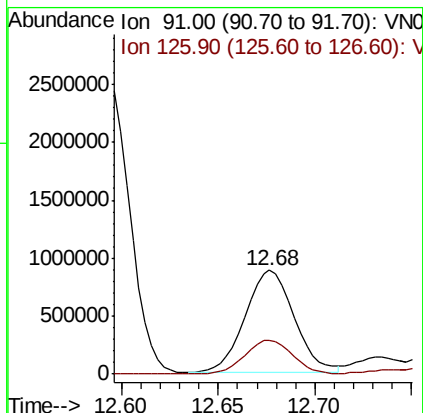
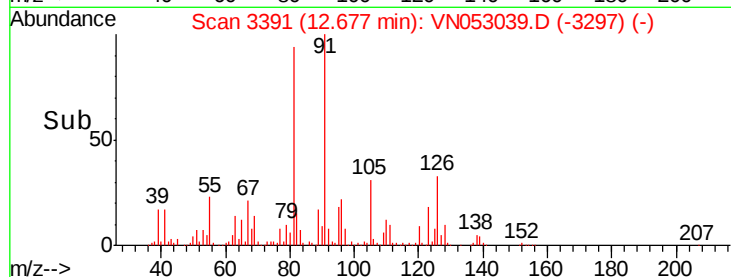
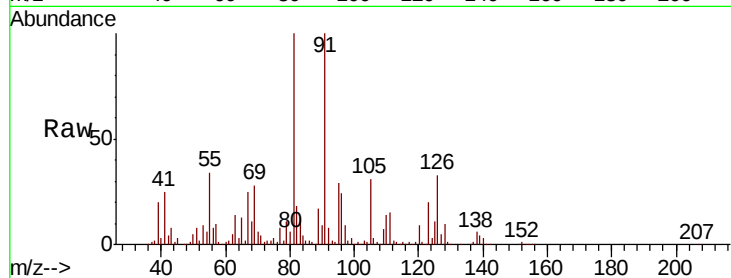
EP1-MW-K(12-13FT)1218MS

Tot Ion: 91 Resp: 1565591

Ion Ratio Lower Upper

91 100

126 32.2 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 41.623 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053039.D

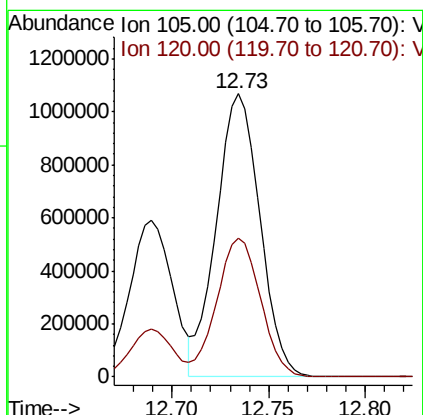
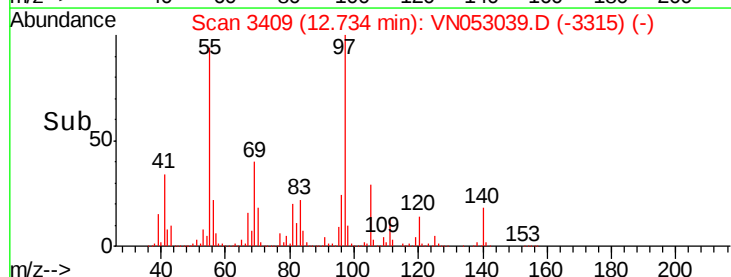
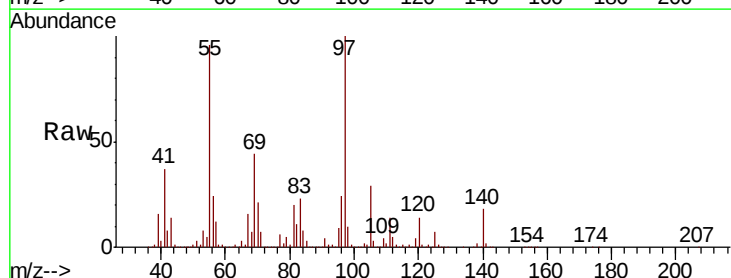
Acq: 20 Dec 2018 4:37

Tgt Ion: 105 Resp: 1668710

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 43.644 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

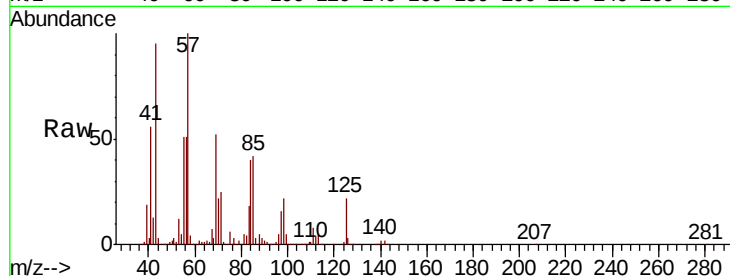
Tot Ion: 75 Resp: 143301

Ion Ratio Lower Upper

75 100

53 145.7 74.7 112.1#

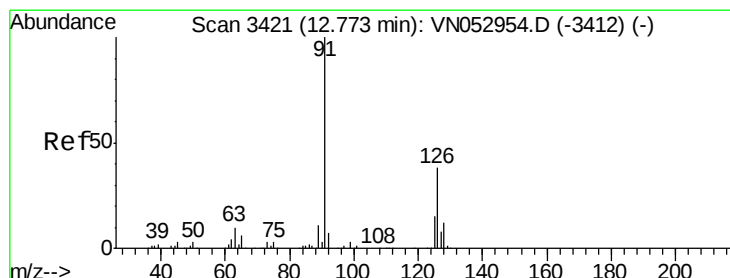
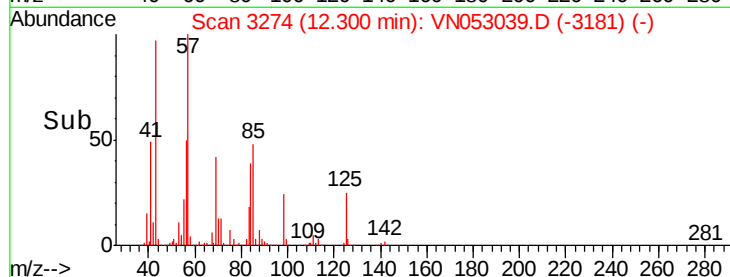
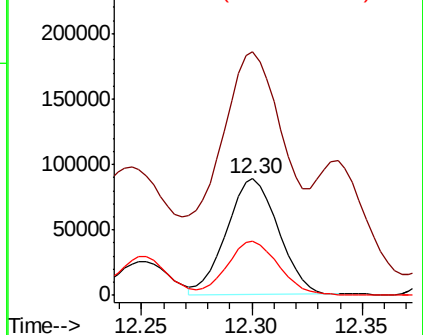
89 46.8 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN053039.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053039.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053039.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 42.276 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053039.D

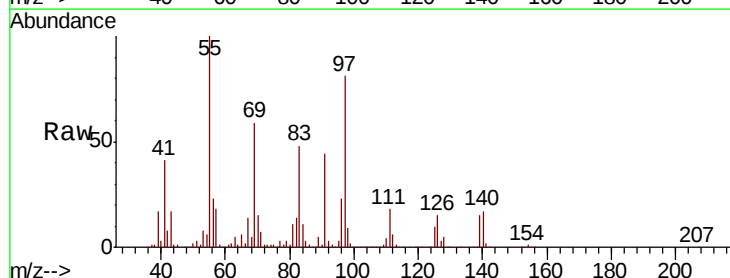
Acq: 20 Dec 2018 4:37

Tgt Ion: 91 Resp: 1436990

Ion Ratio Lower Upper

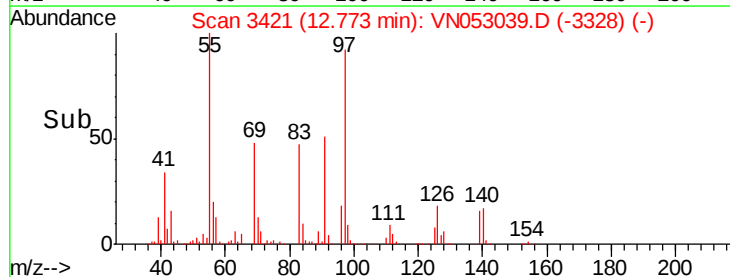
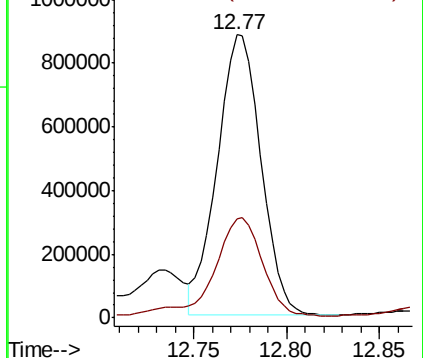
91 100

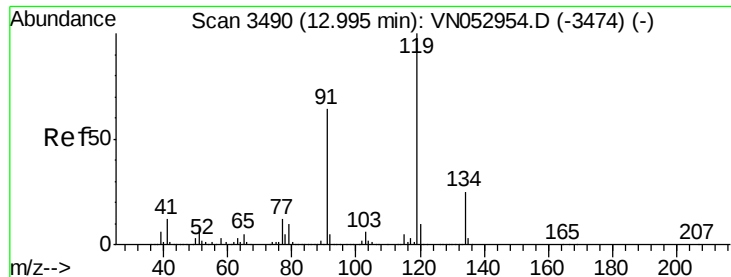
126 39.9 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN053039.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN053039.D (-3328) (-)





#83

tert-Butylbenzene

Concen: 51.580 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

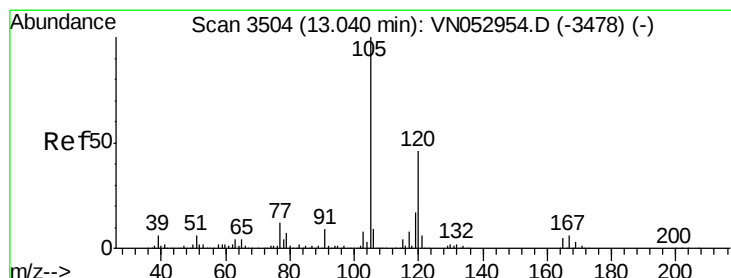
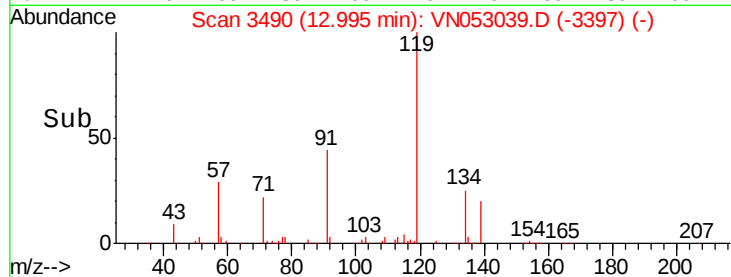
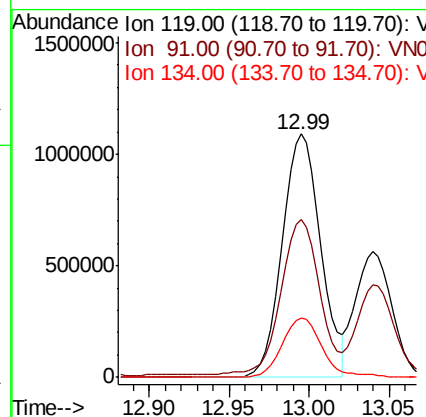
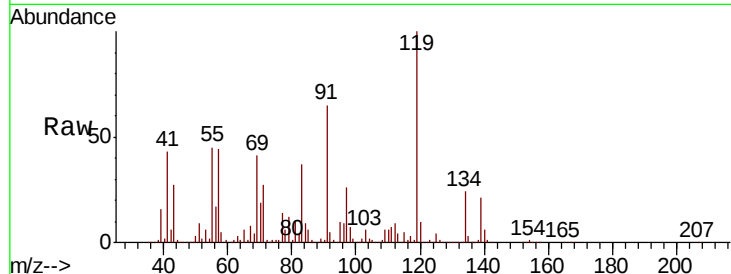
Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion:119 Resp: 1828889

Ion	Ratio	Lower	Upper
119	100		
91	64.5	31.9	95.5
134	25.4	12.8	38.4



#84

1,2,4-Trimethylbenzene

Concen: 162.433 ug/l

RT: 13.04 min Scan# 3504

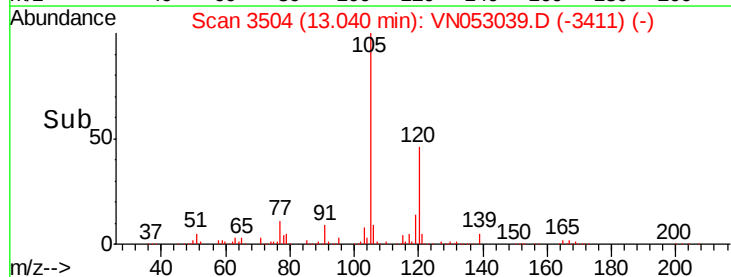
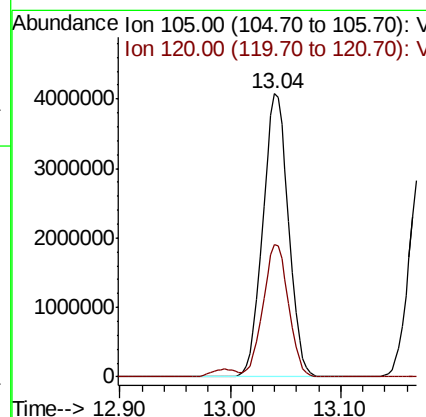
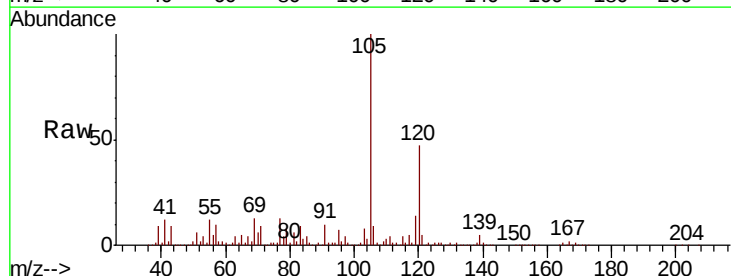
Delta R.T. -0.00 min

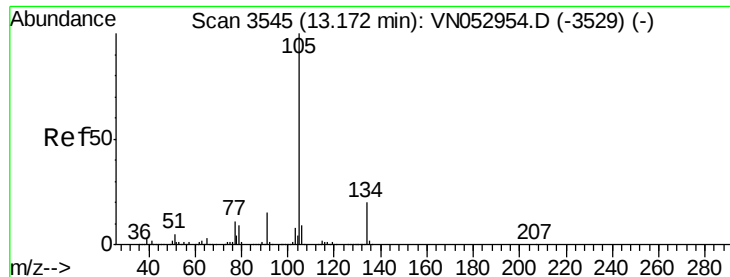
Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Tgt Ion:105 Resp: 6546568

Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.9	68.8





#85

sec-Butylbenzene

Concen: 104.943 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

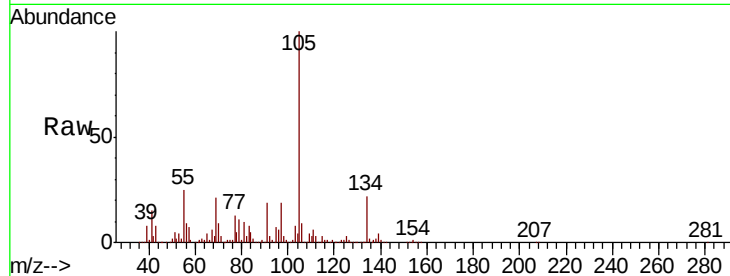
EP1-MW-K(12-13FT)1218MS

Tot Ion:105 Resp: 5032985

Ion Ratio Lower Upper

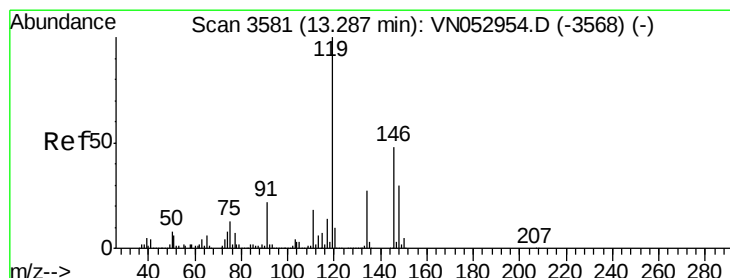
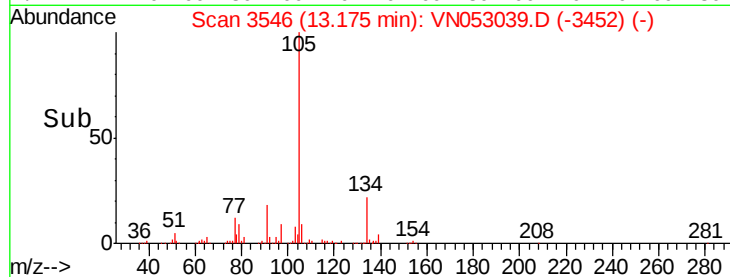
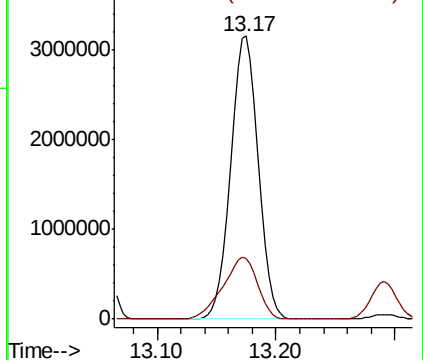
105 100

134 27.6 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.242 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

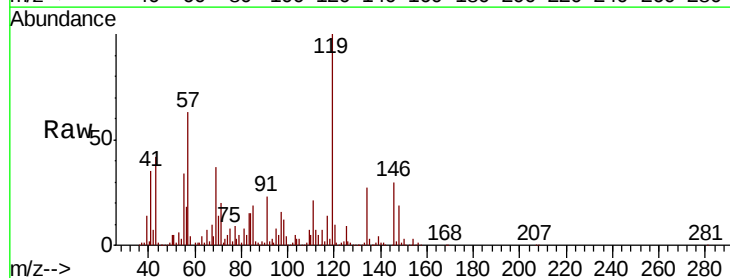
Tgt Ion:119 Resp: 2372148

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

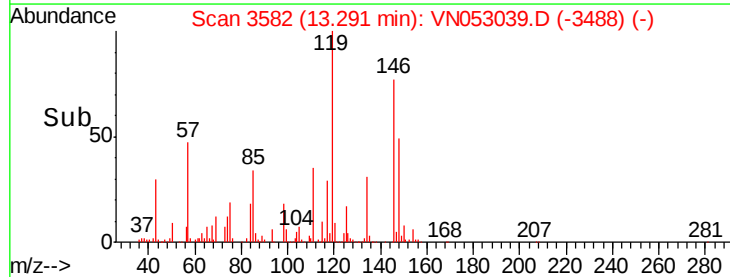
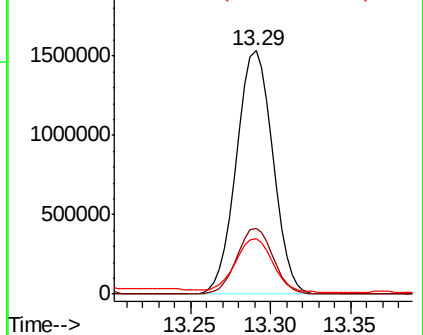
91 22.9 11.1 33.3

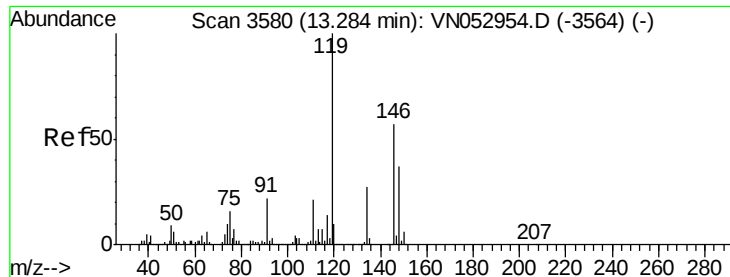


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 39.240 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

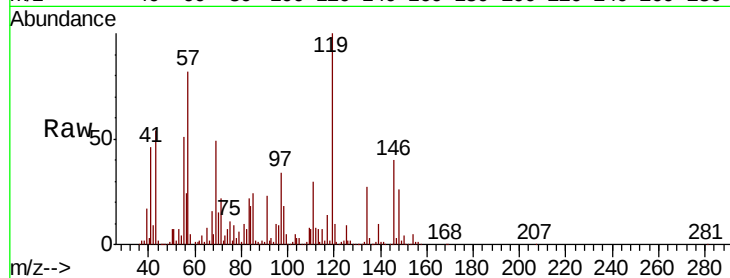
Tot Ion:146 Resp: 887978

Ion Ratio Lower Upper

146 100

111 89.8 19.1 57.1#

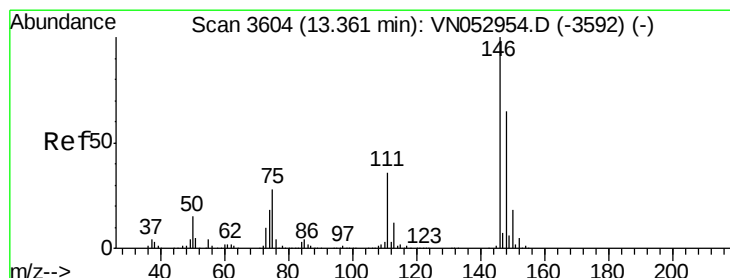
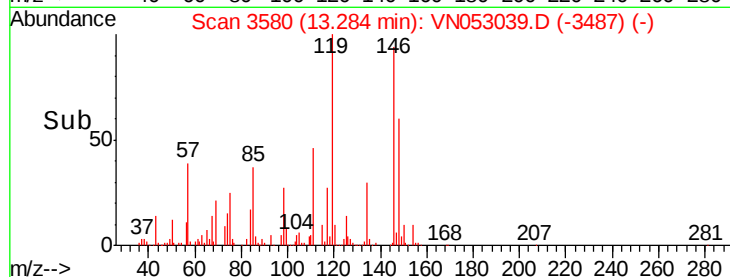
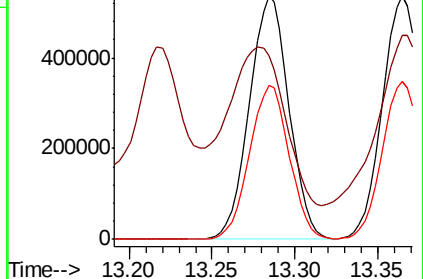
148 63.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 38.529 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

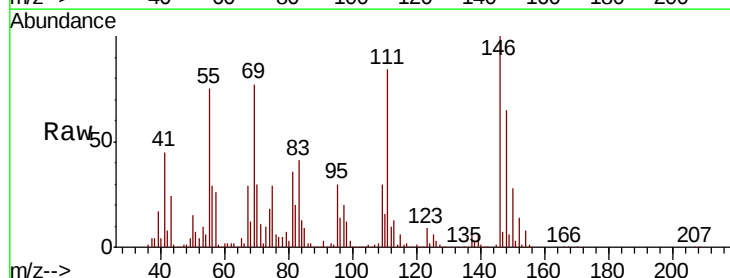
Tgt Ion:146 Resp: 882941

Ion Ratio Lower Upper

146 100

111 81.8 18.6 55.8#

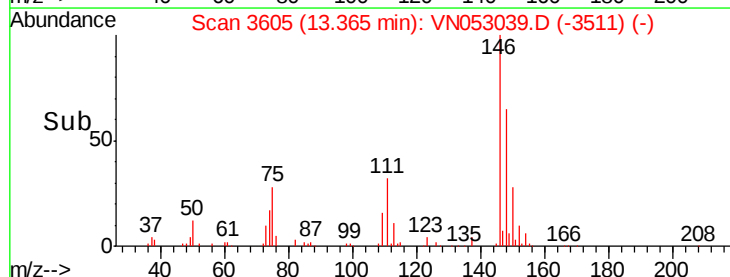
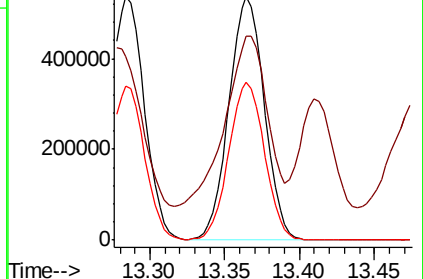
148 65.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 95.557 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

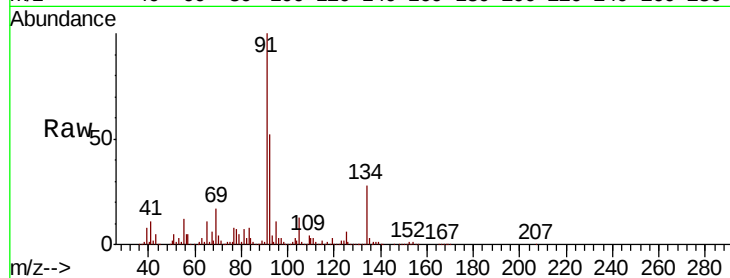
Tot Ion: 91 Resp: 3406826

Ion Ratio Lower Upper

91 100

92 49.5 26.3 78.9

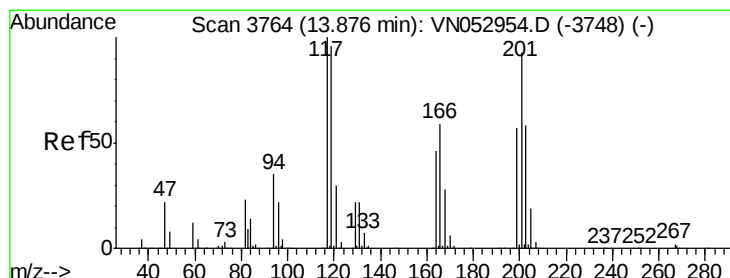
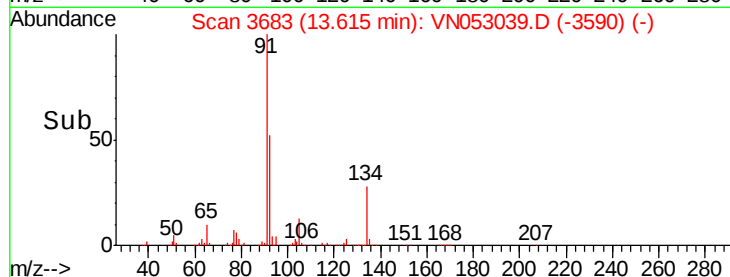
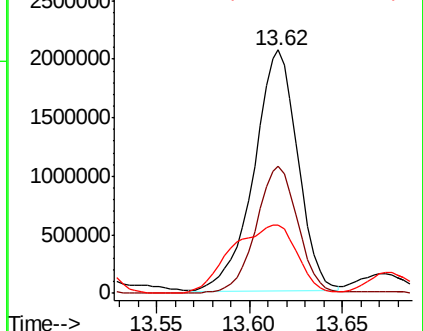
134 42.1 13.3 39.8#



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 96.933 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN053039.D

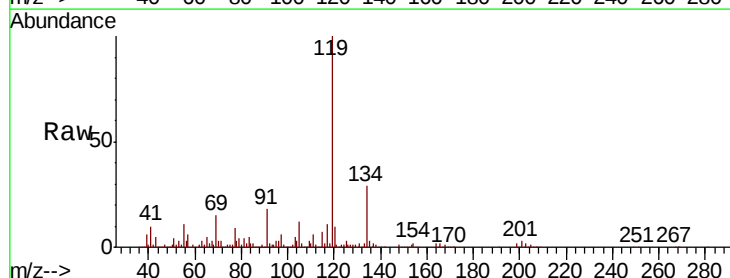
Acq: 20 Dec 2018 4:37

Tgt Ion: 117 Resp: 616442

Ion Ratio Lower Upper

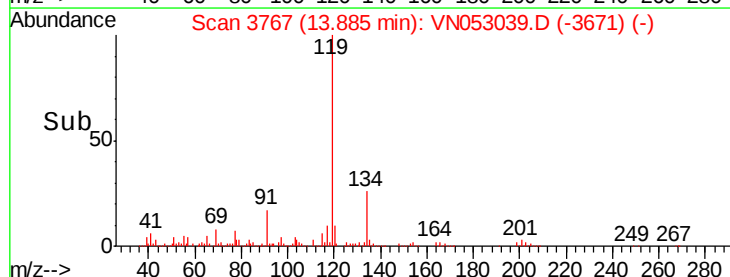
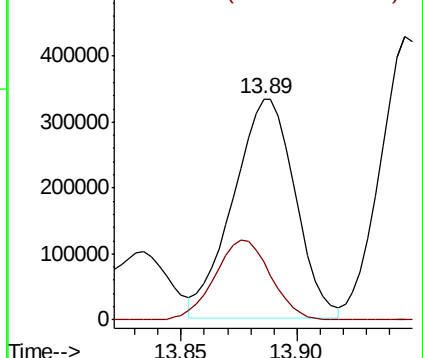
117 100

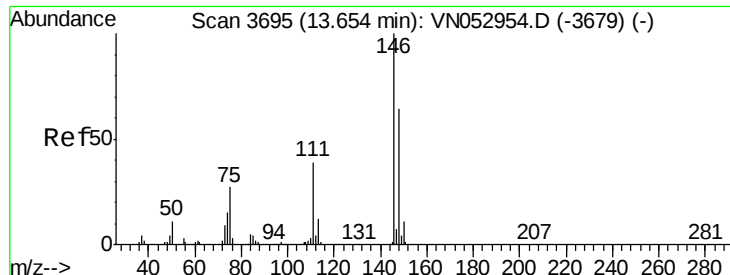
201 33.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)

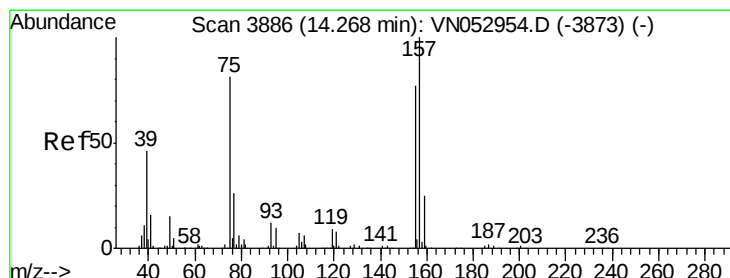
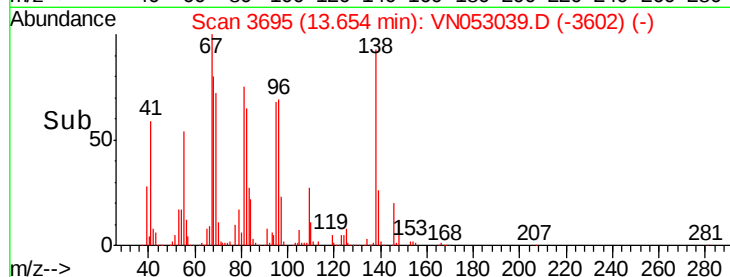
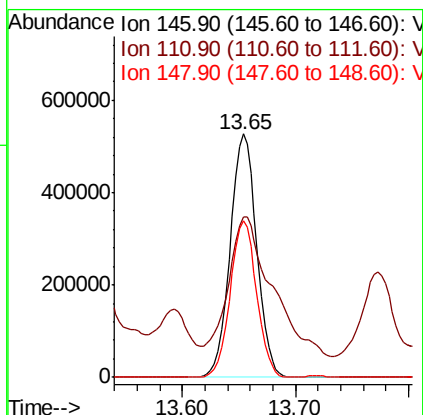
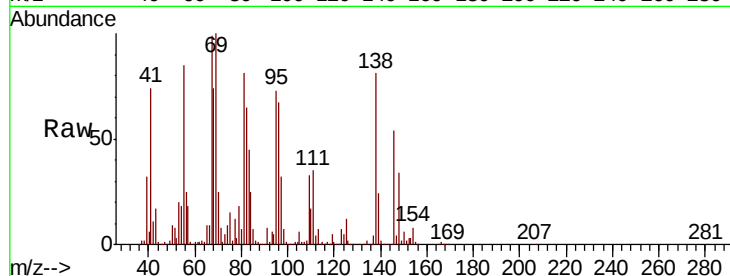




#91
 1,2-Dichlorobenzene
 Concen: 40.124 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

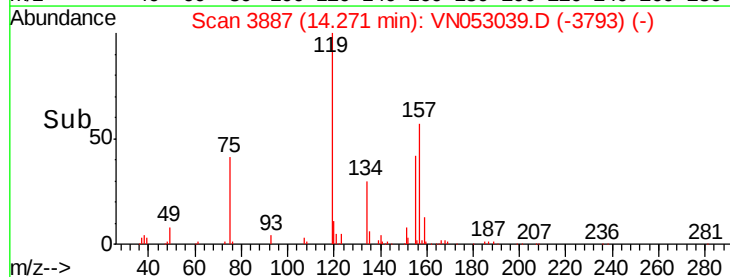
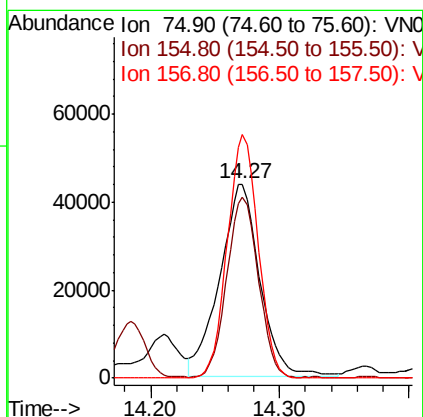
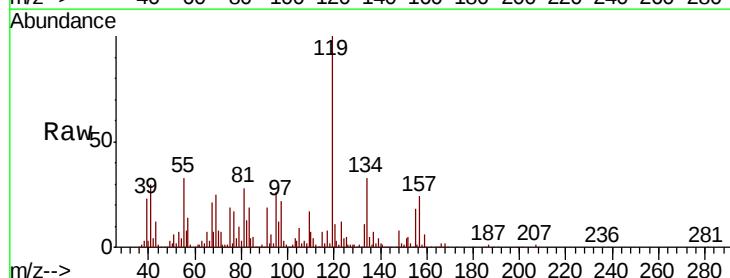
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion:146 Resp: 854541
 Ion Ratio Lower Upper
 146 100
 111 97.0 19.7 59.0#
 148 64.2 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.913 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion: 75 Resp: 93290
 Ion Ratio Lower Upper
 75 100
 155 74.2 48.2 144.6
 157 98.1 61.2 183.5

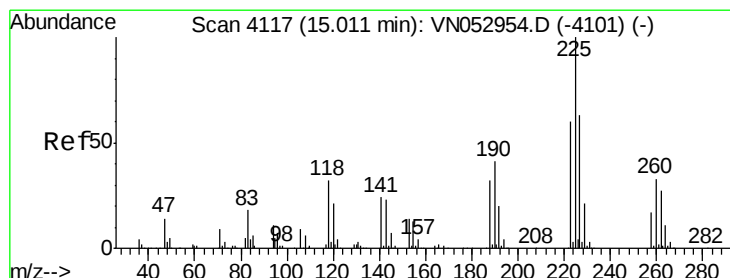
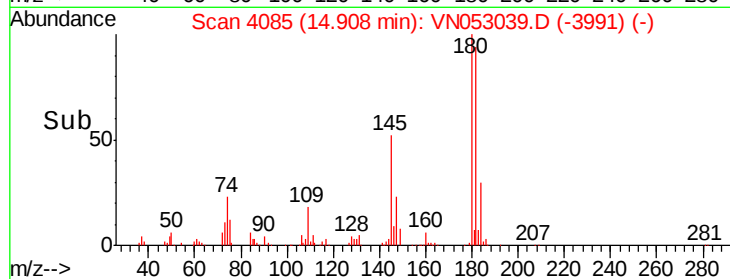
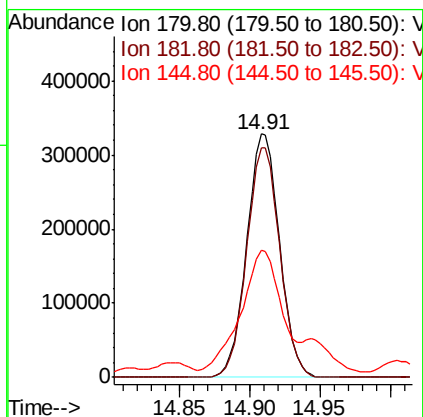
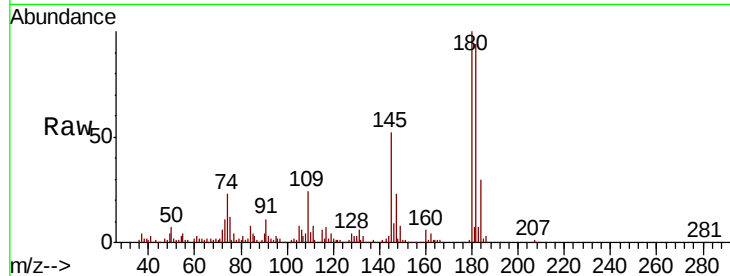




#93
 1,2,4-Trichlorobenzene
 Concen: 47.375 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

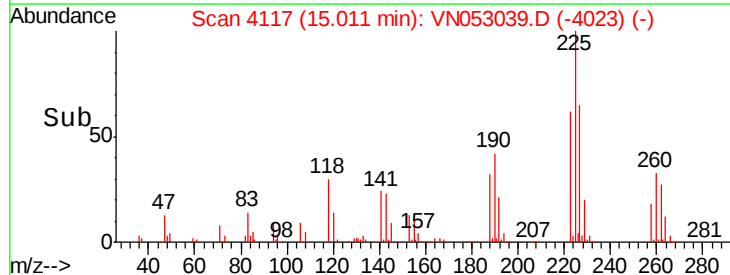
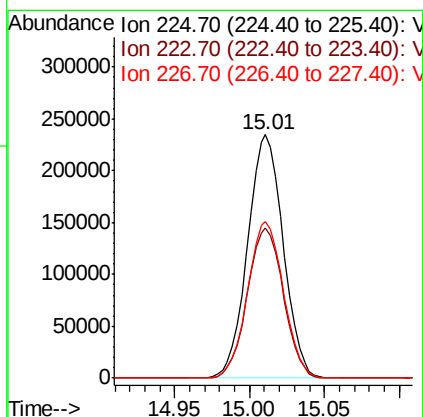
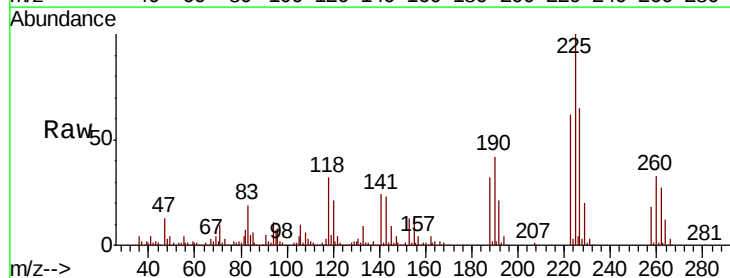
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

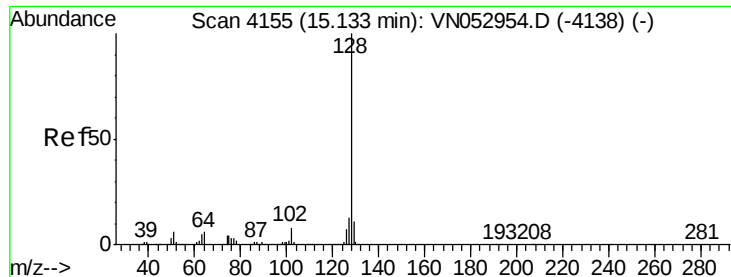
Tot Ion:180 Resp: 534203
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.8 143.3
 145 58.7 14.2 42.6#



#94
 Hexachlorobutadiene
 Concen: 67.350 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion:225 Resp: 387656
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.5 94.5
 227 64.9 31.9 95.7

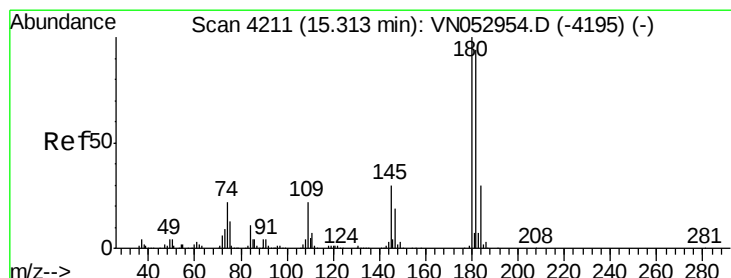
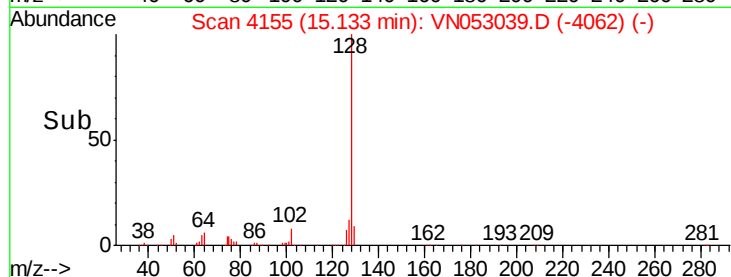
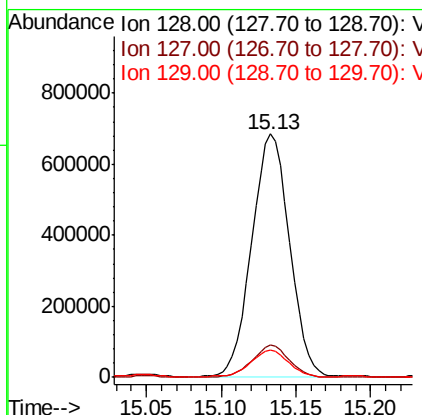
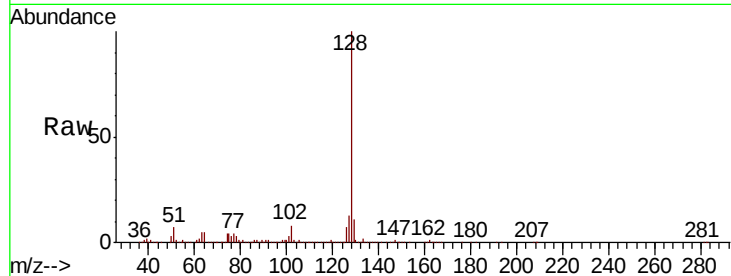




#95
Naphthalene
Concen: 48.535 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion:128 Resp: 1198806
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.150 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:180 Resp: 489058
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.7
145 40.3 15.0 45.0

