

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051060.D
 Acq On : 7 Sep 2018 17:54
 Operator : MD\SY
 Sample : J46593-12MSD 5X
 Misc : 5.80u/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Quant Time: Sep 07 23:15:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	647510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	930655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	894409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	498965	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	357929	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
35) Dibromofluoromethane	7.59	113	342961	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
50) Toluene-d8	10.09	98	1332643	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.40	95	599235	65.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	445961	51.46	ug/l	99
3) Chloromethane	2.06	50	488782	45.73	ug/l	100
4) Vinyl Chloride	2.18	62	488948	48.29	ug/l	100
5) Bromomethane	2.52	94	218636	37.73	ug/l	100
6) Chloroethane	2.67	64	264735	45.25	ug/l	100
7) Trichlorofluoromethane	3.00	101	616981	47.59	ug/l	99
8) Diethyl Ether	3.41	74	240385	54.53	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	382334	47.20	ug/l	99
10) Methyl Iodide	3.94	142	342320	48.39	ug/l	98
11) Tert butyl alcohol	4.80	59	187969	378.68	ug/l	98
12) 1,1-Dichloroethene	3.72	96	366858	50.44	ug/l	97
13) Acrolein	3.61	56	68572	237.53	ug/l	97
14) Allyl chloride	4.32	41	574506	50.70	ug/l	98
15) Acrylonitrile	4.99	53	776274	307.72	ug/l	99
16) Acetone	3.82	43	518873	282.00	ug/l	100
17) Carbon Disulfide	4.04	76	1116767	45.81	ug/l	99
18) Methyl Acetate	4.33	43	445562	60.53	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1071190	58.56	ug/l	100
20) Methylene Chloride	4.55	84	421976	48.03	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	392006	49.84	ug/l	99
22) Diisopropyl ether	5.95	45	1183726	52.41	ug/l	97
23) Vinyl Acetate	5.90	43	4009236	275.66	ug/l	99
24) 1,1-Dichloroethane	5.85	63	706028	48.70	ug/l	100
25) 2-Butanone	6.84	43	866848	275.94	ug/l	100
26) 2,2-Dichloropropane	6.82	77	532684	45.72	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	440524	51.95	ug/l	97
28) Bromochloromethane	7.20	49	274388	44.54	ug/l	95
29) Tetrahydrofuran	7.21	42	582965	323.67	ug/l	97
30) Chloroform	7.37	83	699152	48.70	ug/l	99
31) Cyclohexane	7.65	56	642335	48.76	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	597504	48.45	ug/l	98
36) 1,1-Dichloropropene	7.79	75	550060	50.09	ug/l	99
37) Ethyl Acetate	6.93	43	372150	58.99	ug/l	99
38) Carbon Tetrachloride	7.77	117	528620	47.62	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	699823	58.90	ug/l	97
40) Benzene	8.04	78	1669535	50.41	ug/l	99
41) Methacrylonitrile	7.18	41	208400	61.04	ug/l	96
42) 1,2-Dichloroethane	8.13	62	491004	49.59	ug/l	98
43) Isopropyl Acetate	8.17	43	655912	60.47	ug/l	99
44) Trichloroethene	8.84	130	441048	50.50	ug/l	100
45) 1,2-Dichloropropane	9.12	63	432872	49.73	ug/l	100
46) Dibromomethane	9.21	93	263453	51.52	ug/l	97
47) Bromodichloromethane	9.40	83	534967	49.94	ug/l	97
48) Methyl methacrylate	9.20	41	332403	60.13	ug/l	98
49) 1,4-Dioxane	9.20	88	104300	1384.07	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1925638	297.50	ug/l	97
52) Toluene	10.16	92	1061626	54.12	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	571197	53.58	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	636825	52.16	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	453802	62.32	ug/l	99
56) Ethyl methacrylate	10.43	69	575009	60.20	ug/l	97
57) 1,3-Dichloropropane	10.71	76	655575	54.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2748	12.85	ug/l #	68
59) 2-Hexanone	10.75	43	1540613	357.53	ug/l	92
60) Dibromochloromethane	10.90	129	432195	53.01	ug/l	98
61) 1,2-Dibromoethane	11.01	107	400183	56.84	ug/l	98
64) Tetrachloroethene	10.63	164	406861	47.89	ug/l	99
65) Chlorobenzene	11.44	112	1186455	50.75	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	422308	49.37	ug/l	100
67) Ethyl Benzene	11.51	91	2031363	53.45	ug/l	100
68) m/p-Xylenes	11.62	106	1564857	108.47	ug/l	99
69) o-Xylene	11.95	106	766077	55.24	ug/l	99
70) Styrene	11.96	104	1215174	49.72	ug/l	100
71) Bromoform	12.13	173	318868	54.21	ug/l #	99
73) Isopropylbenzene	12.25	105	2980755	72.15	ug/l	99
74) N-amyl acetate	12.05	43	1951775	188.01	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.51	83	728018	74.72	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	629991	72.09	ug/l #	100
77) Bromobenzene	12.53	156	515311	45.89	ug/l	98
78) n-propylbenzene	12.59	91	4862392	105.35	ug/l	99
79) 2-Chlorotoluene	12.68	91	1343052	46.72	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1625379	48.76	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	134498	52.03	ug/l #	86
82) 4-Chlorotoluene	12.77	91	1322467	46.60	ug/l	95
83) tert-Butylbenzene	12.99	119	1549406	53.67	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1662653	49.58	ug/l	99
85) sec-Butylbenzene	13.17	105	2920893	77.21	ug/l	88
86) p-Isopropyltoluene	13.29	119	1637214	50.79	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	862955	45.29	ug/l #	87
88) 1,4-Dichlorobenzene	13.36	146	856823	45.69	ug/l #	84
89) n-Butylbenzene	13.62	91	1991872	77.26	ug/l	96
90) Hexachloroethane	13.88	117	434160	70.59	ug/l	65
91) 1,2-Dichlorobenzene	13.65	146	847439	46.10	ug/l #	78
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77999	52.57	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	490042	51.14	ug/l #	85
94) Hexachlorobutadiene	15.01	225	336139	61.95	ug/l	99
95) Naphthalene	15.13	128	1130431	55.98	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	476701	52.96	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

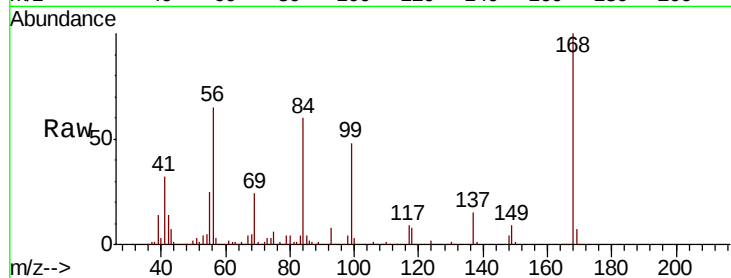
EP1-MW-C(15-20)MSD

Tot Ion:168 Resp: 647510

Ion Ratio Lower Upper

168 100

99 48.0 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

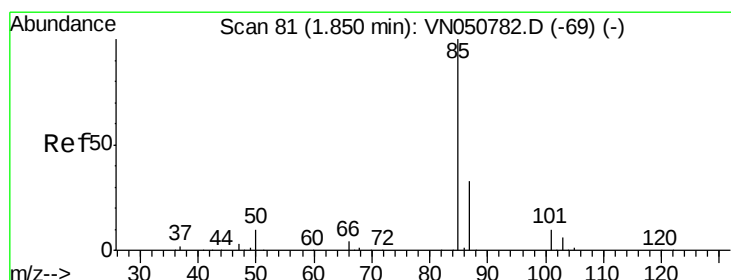
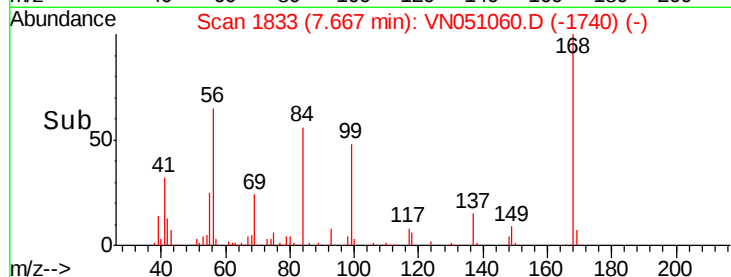
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.46 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN051060.D

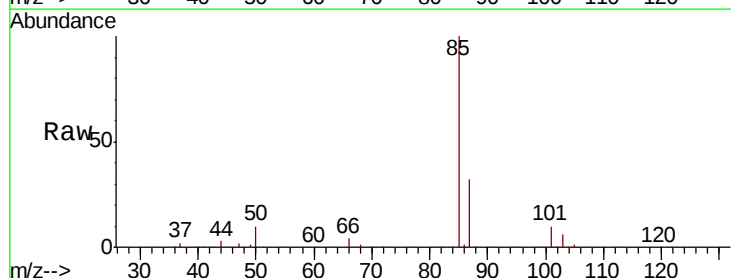
Acq: 7 Sep 2018 17:54

Tgt Ion: 85 Resp: 445961

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

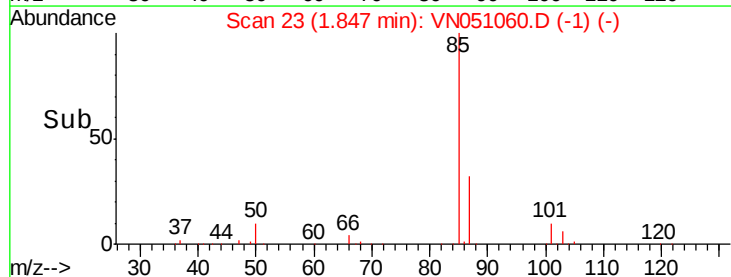
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Time-->

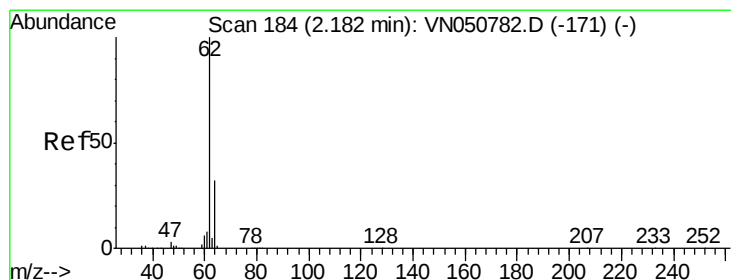
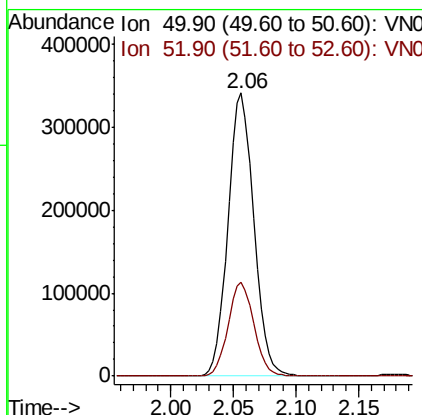
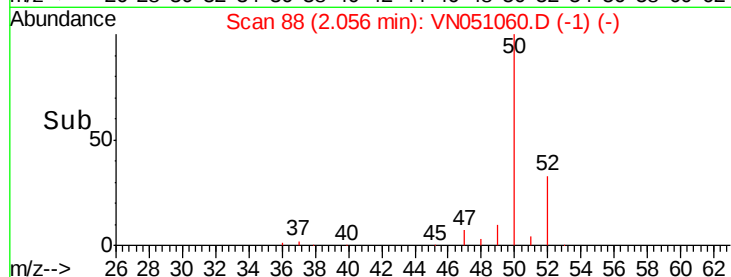
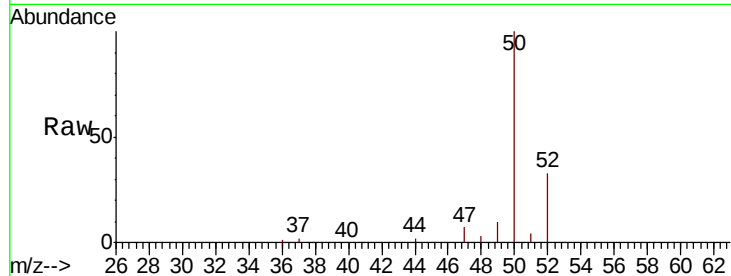




#3
 Chloromethane
 Concen: 45.73 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

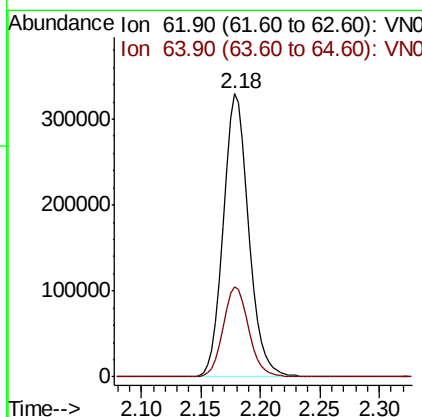
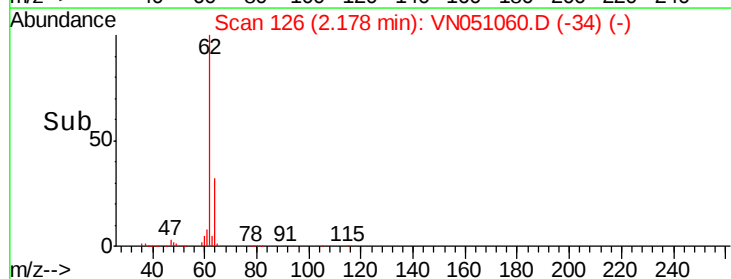
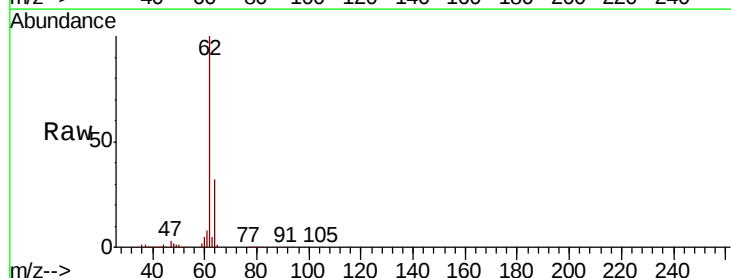
Instrument :
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 EP1-MW-C(15-20)MSD

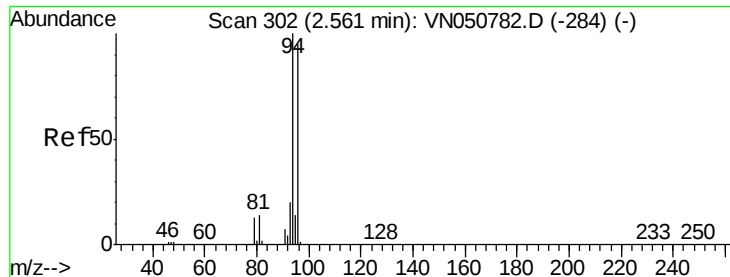
Tot Ion: 50 Resp: 488782
 Ion Ratio Lower Upper
 50 100
 52 33.1 26.3 39.5



#4
 Vinyl Chloride
 Concen: 48.29 ug/l
 RT: 2.18 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 62 Resp: 488948
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.4 38.2





#5

Bromomethane

Concen: 37.73 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.04 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

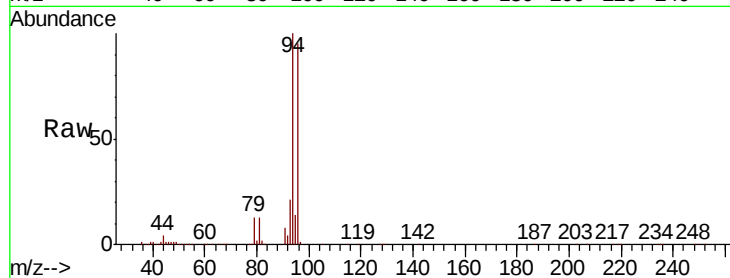
EP1-MW-C(15-20)MSD

Tot Ion: 94 Resp: 218636

Ion Ratio Lower Upper

94 100

96 95.5 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.52

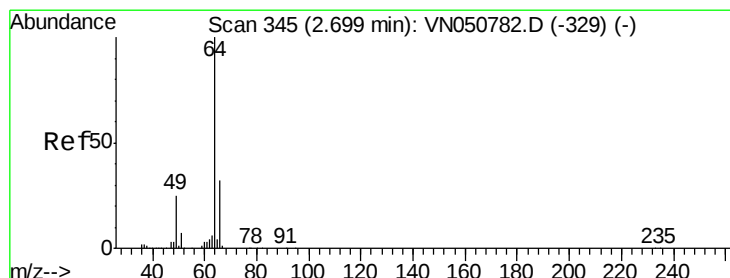
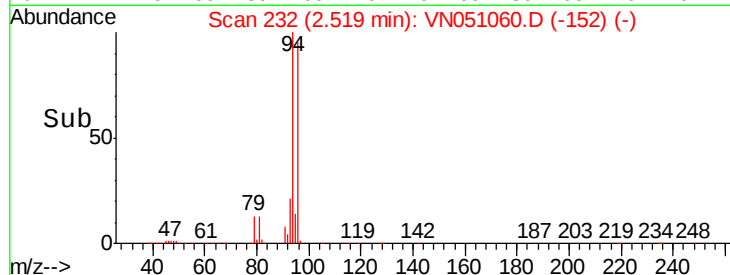
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 45.25 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.03 min

Lab File: VN051060.D

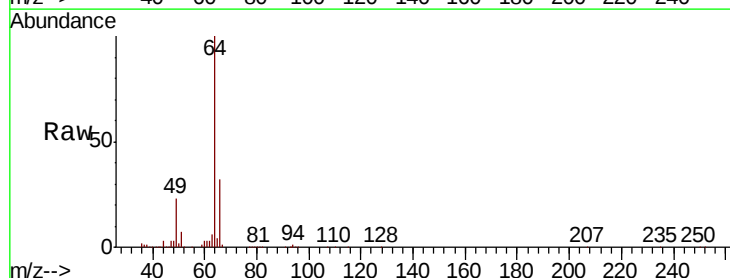
Acq: 7 Sep 2018 17:54

Tgt Ion: 64 Resp: 264735

Ion Ratio Lower Upper

64 100

66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.67

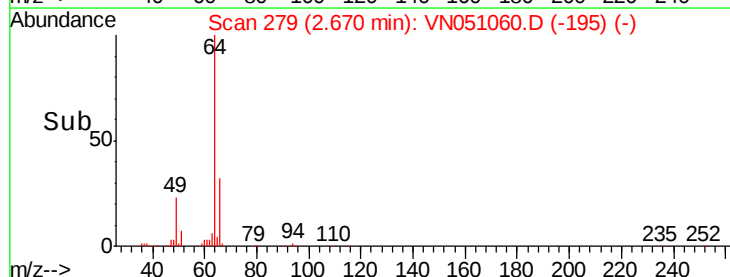
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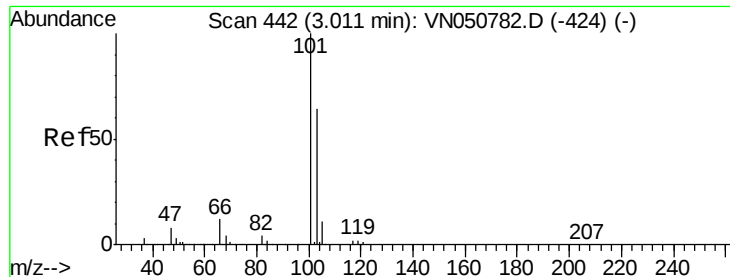
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 47.59 ug/l

RT: 3.00 min Scan# 380

Delta R.T. -0.02 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

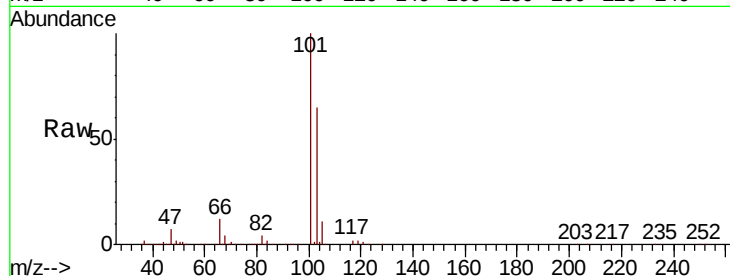
EP1-MW-C(15-20)MSD

Tot Ion:101 Resp: 616981

Ion Ratio Lower Upper

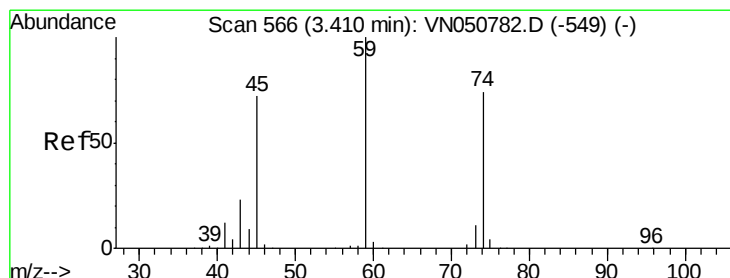
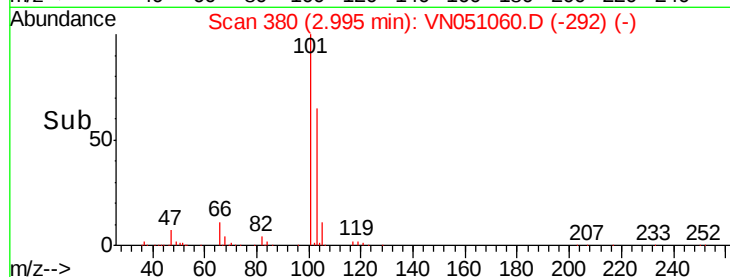
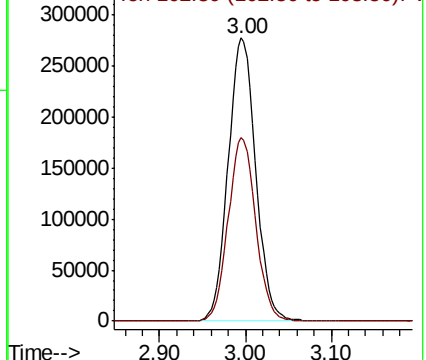
101 100

103 65.0 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 54.53 ug/l

RT: 3.41 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN051060.D

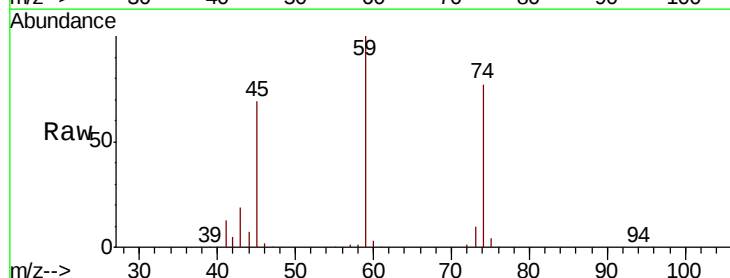
Acq: 7 Sep 2018 17:54

Tgt Ion: 74 Resp: 240385

Ion Ratio Lower Upper

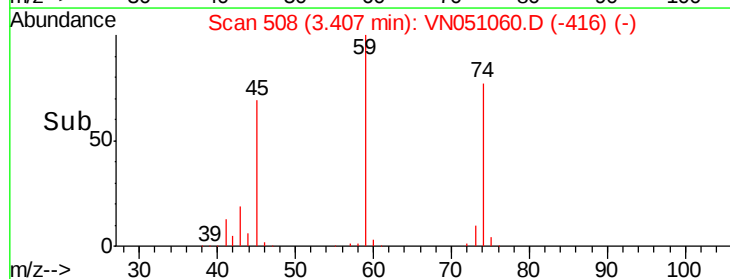
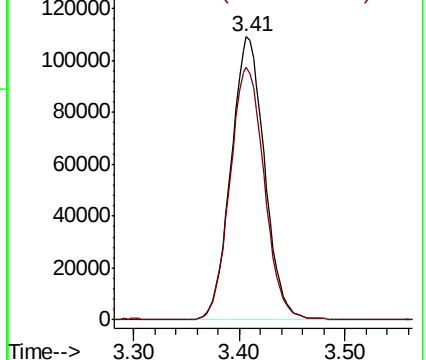
74 100

45 91.6 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.20 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

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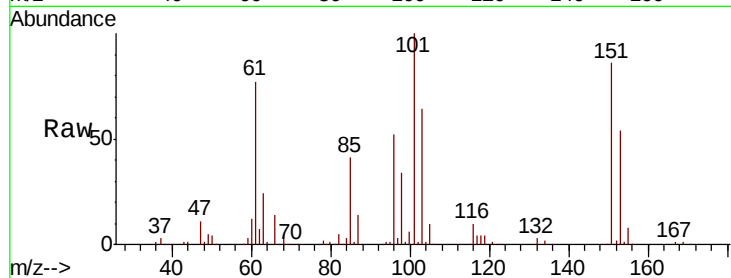
Tot Ion:101 Resp: 382334

Ion Ratio Lower Upper

101 100

85 41.4 33.7 50.5

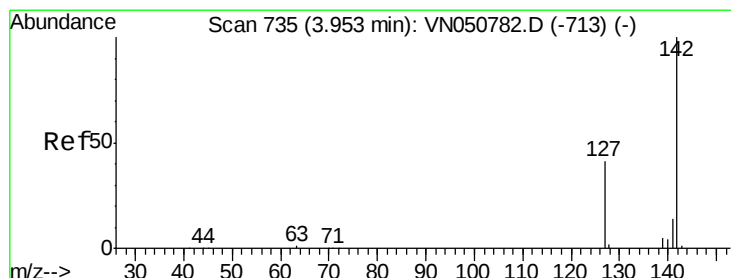
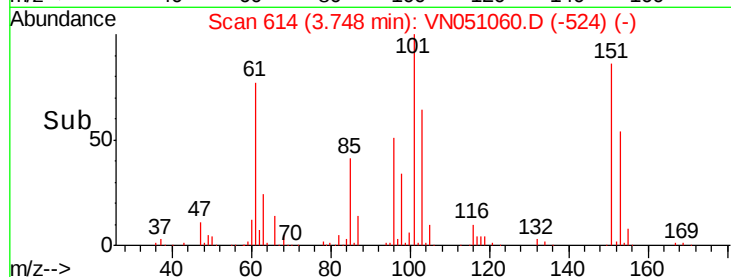
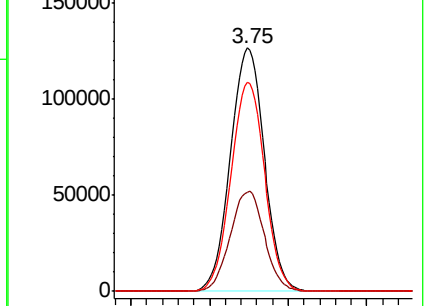
151 85.4 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.39 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

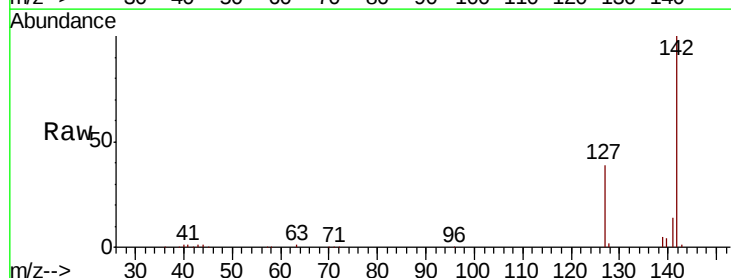
Tgt Ion:142 Resp: 342320

Ion Ratio Lower Upper

142 100

127 37.7 31.7 47.5

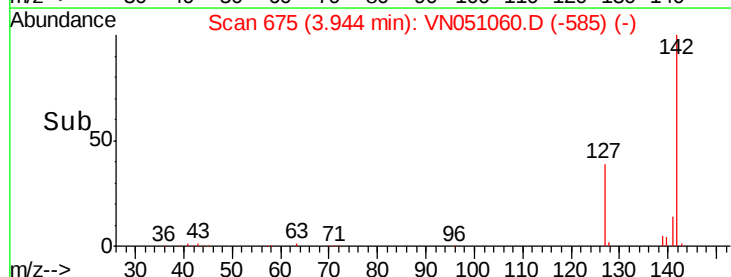
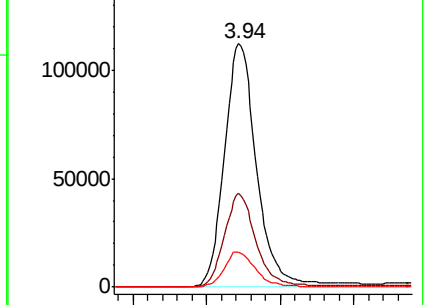
141 14.1 11.4 17.0

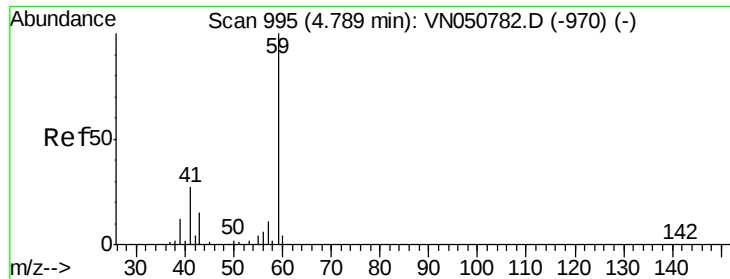


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

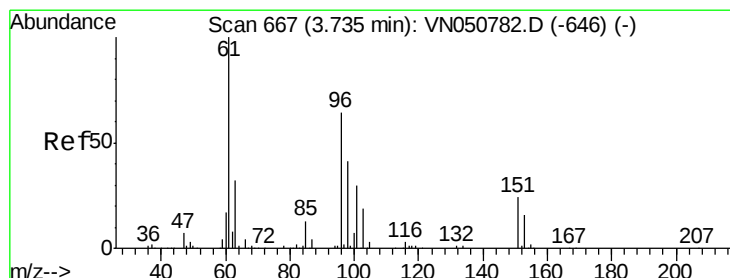
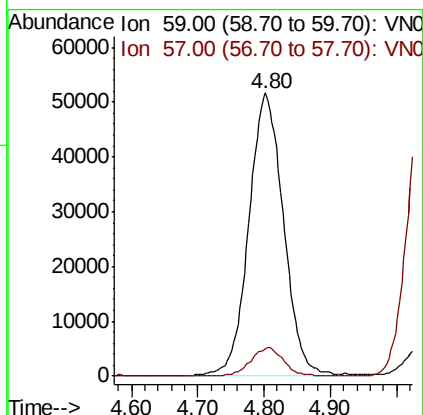
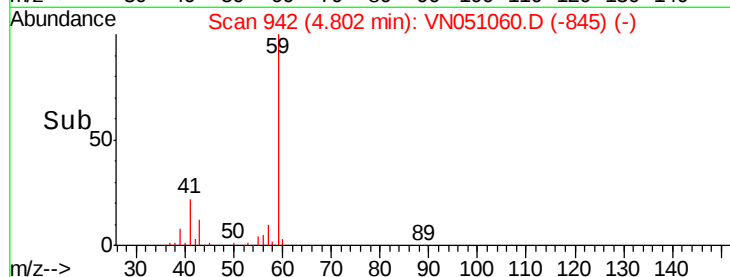
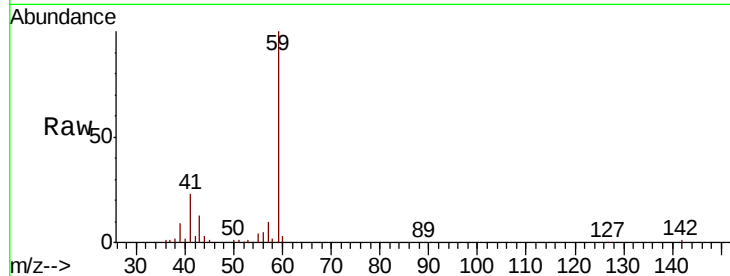




#11
Tert butyl alcohol
Concen: 378.68 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.01 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

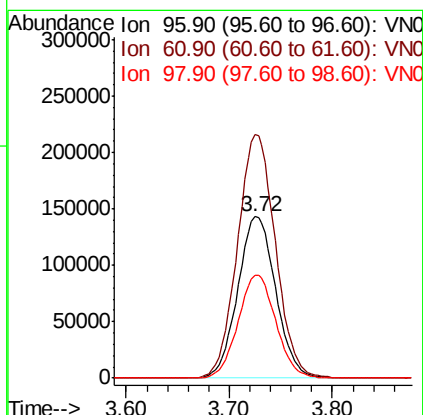
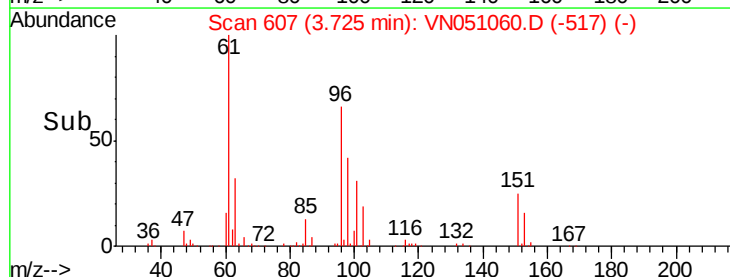
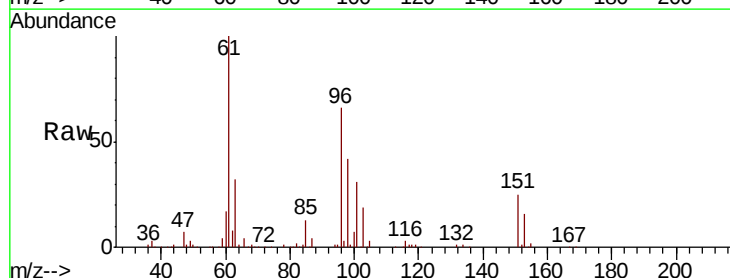
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion: 59 Resp: 187969
Ion Ratio Lower Upper
59 100
57 9.5 8.3 12.5



#12
1,1-Dichloroethene
Concen: 50.44 ug/l
RT: 3.72 min Scan# 607
Delta R.T. -0.01 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 96 Resp: 366858
Ion Ratio Lower Upper
96 100
61 150.6 124.9 187.3
98 63.7 51.1 76.7





#13

Acrolein

Concen: 237.53 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

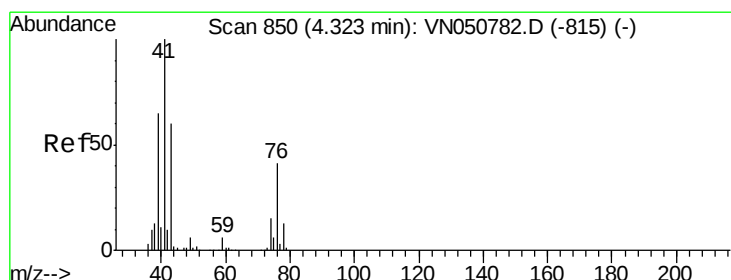
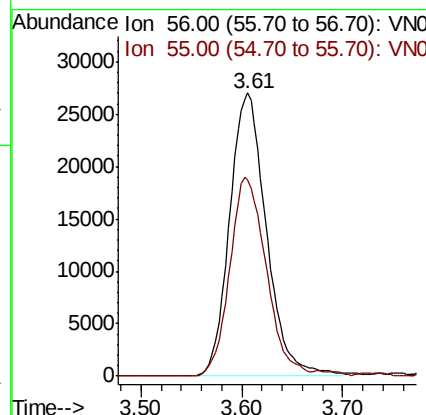
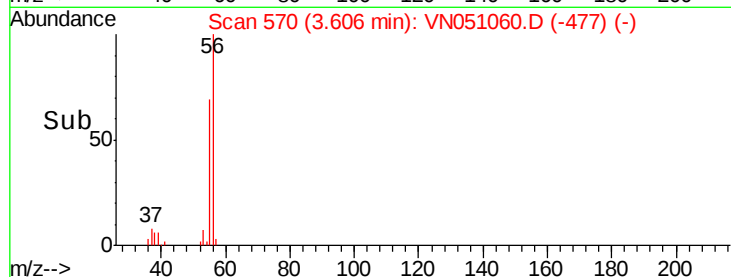
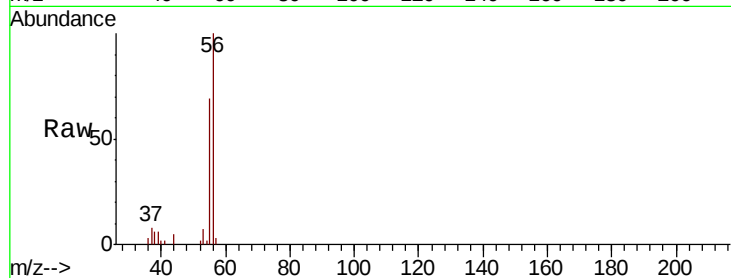
EP1-MW-C(15-20)MSD

Tot Ion: 56 Resp: 68572

Ion Ratio Lower Upper

56 100

55 69.5 57.7 86.5



#14

Allyl chloride

Concen: 50.70 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.01 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

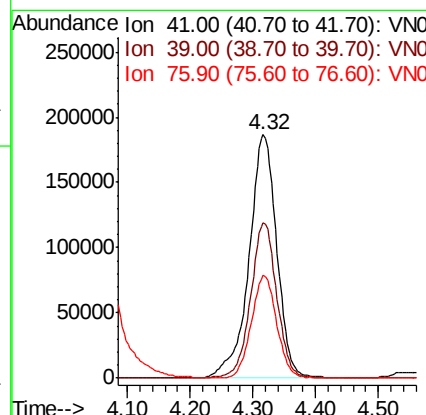
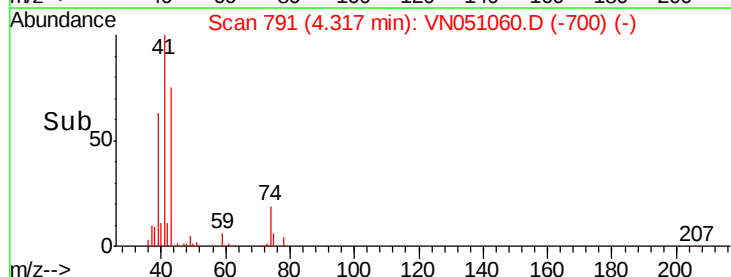
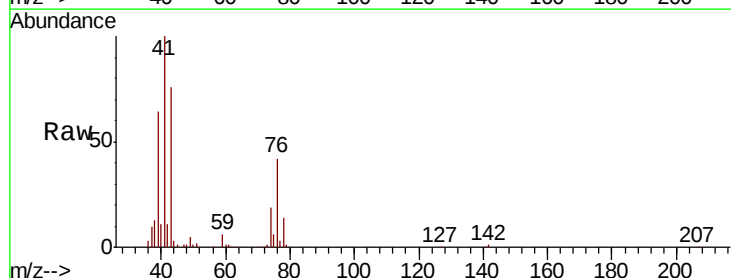
Tgt Ion: 41 Resp: 574506

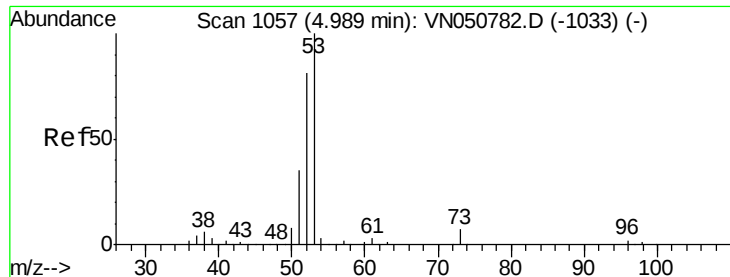
Ion Ratio Lower Upper

41 100

39 60.2 50.2 75.2

76 37.8 29.8 44.8





#15

Acrylonitrile

Concen: 307.72 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

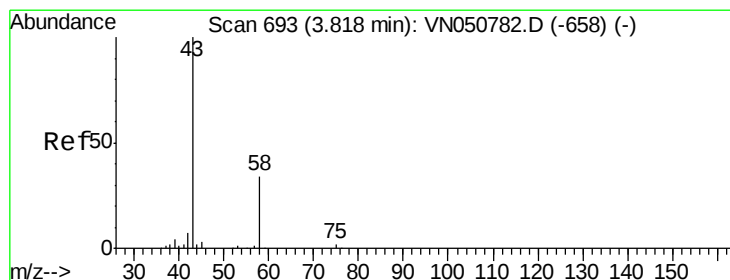
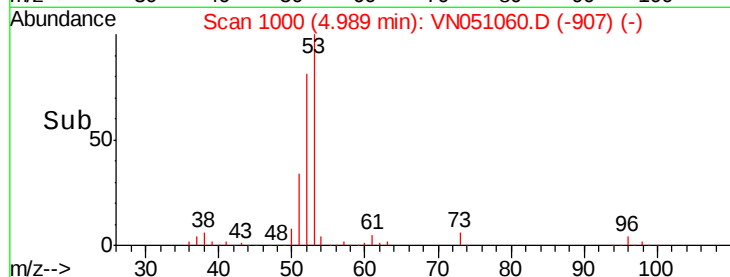
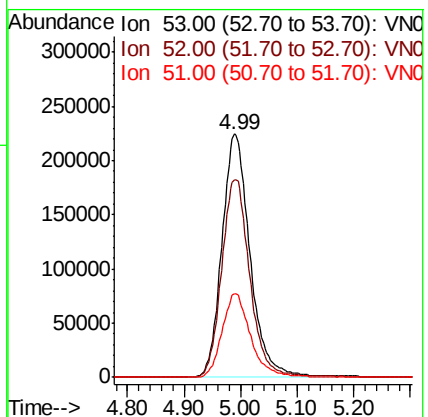
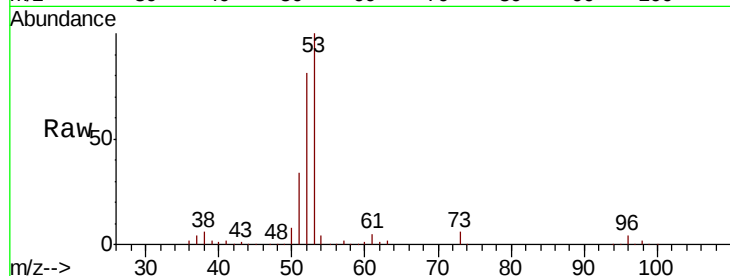
Tot Ion: 53 Resp: 776274

Ion Ratio Lower Upper

53 100

52 81.4 65.9 98.9

51 35.0 28.6 43.0



#16

Acetone

Concen: 282.00 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051060.D

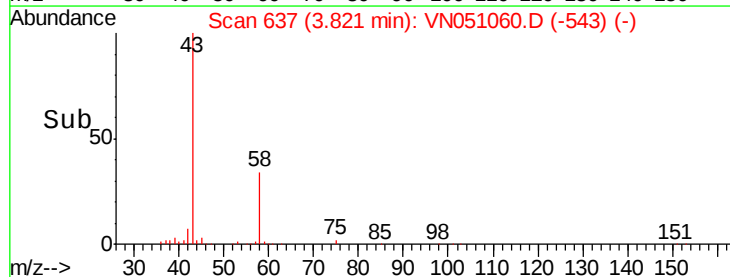
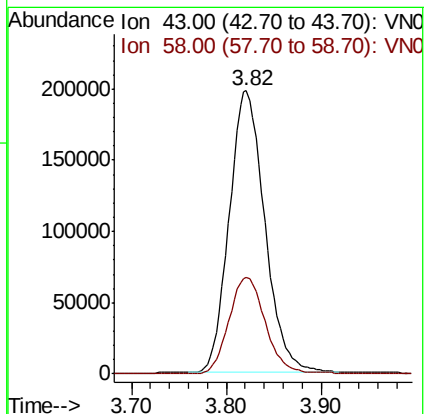
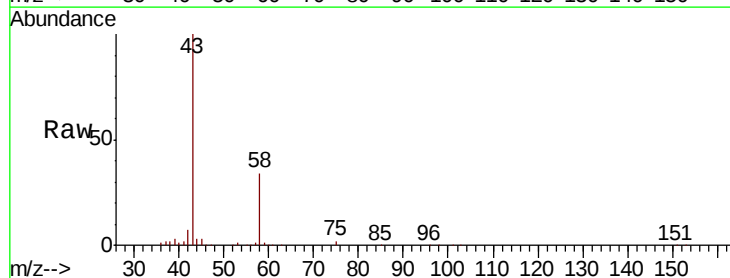
Acq: 7 Sep 2018 17:54

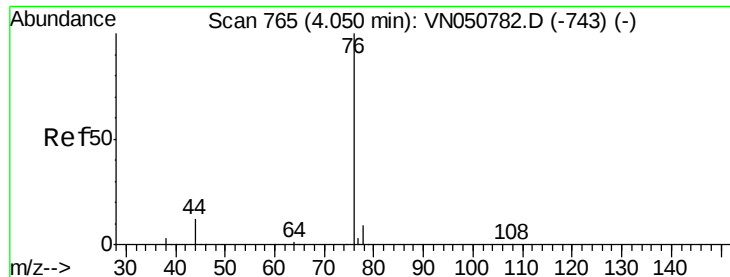
Tgt Ion: 43 Resp: 518873

Ion Ratio Lower Upper

43 100

58 34.1 27.2 40.8

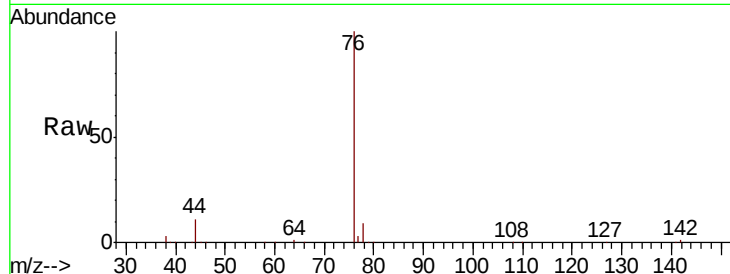




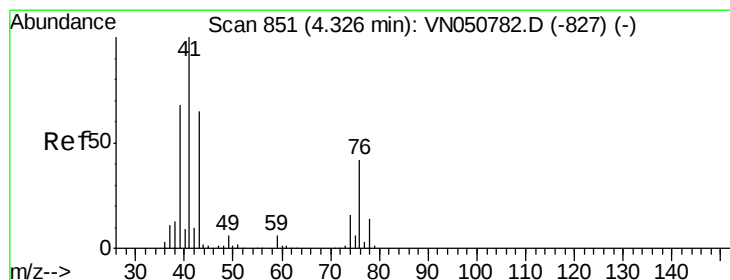
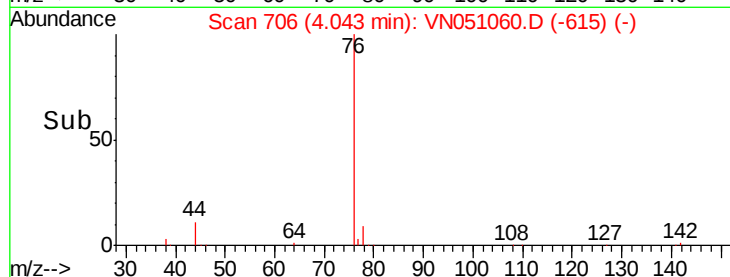
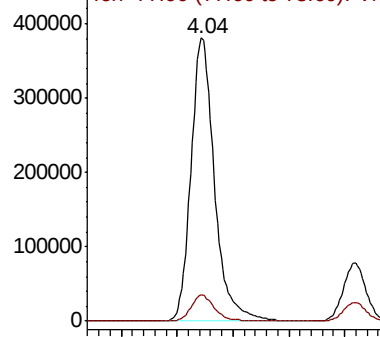
#17
Carbon Disulfide
Concen: 45.81 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.01 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion: 76 Resp: 1116767
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

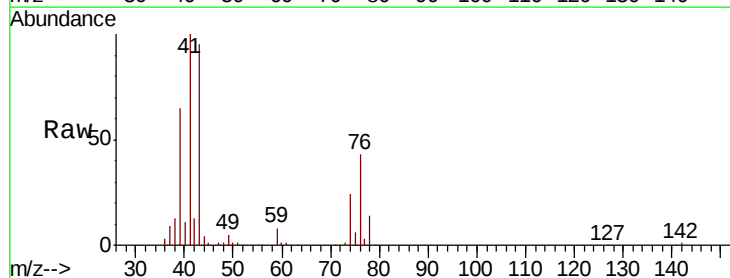


Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

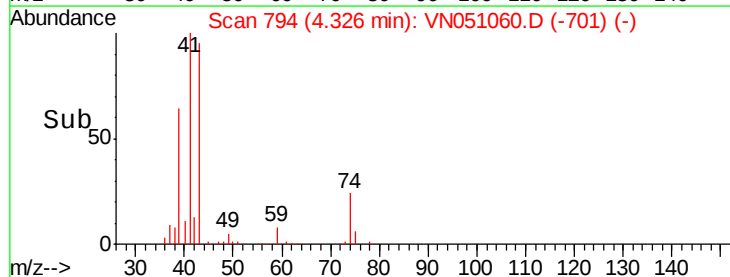
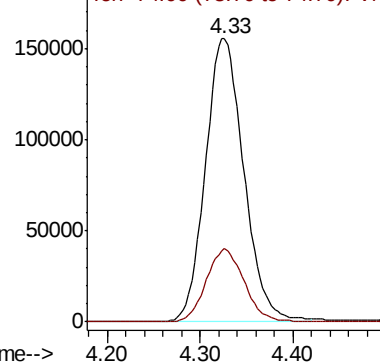


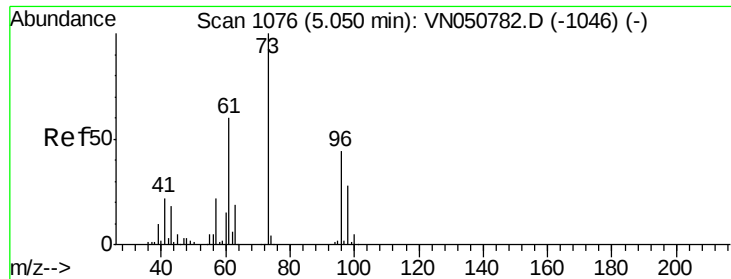
#18
Methyl Acetate
Concen: 60.53 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 43 Resp: 445562
Ion Ratio Lower Upper
43 100
74 25.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

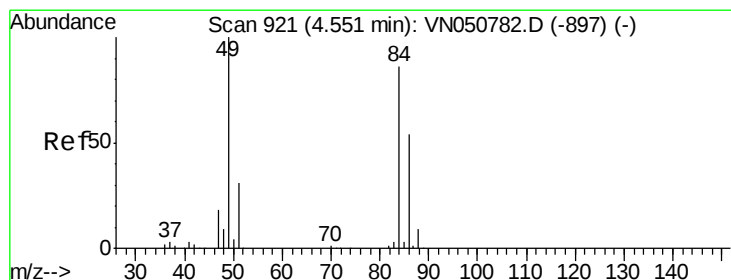
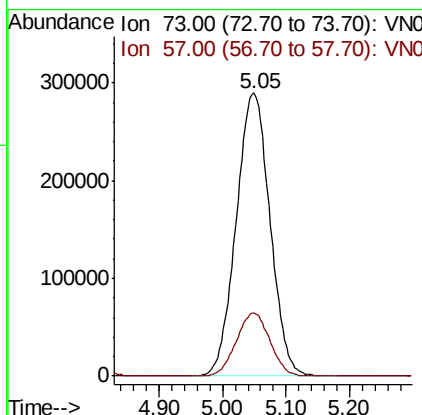
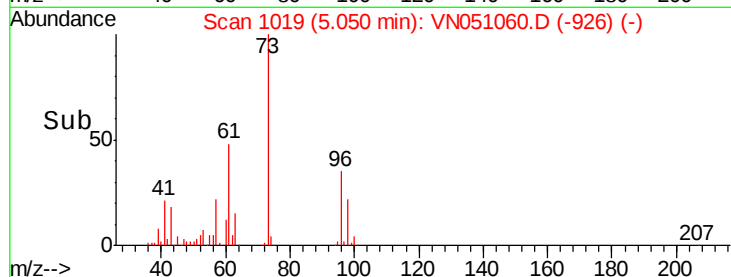
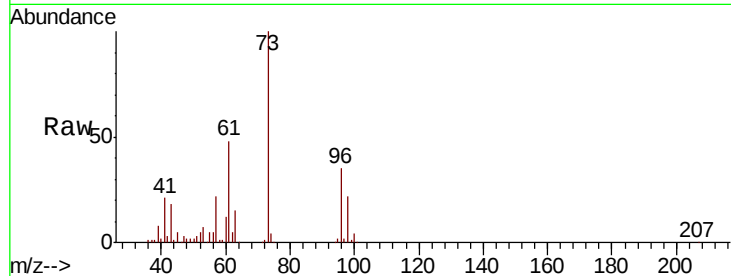




#19
Methyl tert-butyl Ether
Concen: 58.56 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

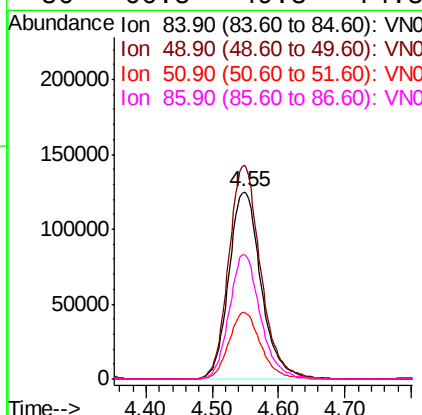
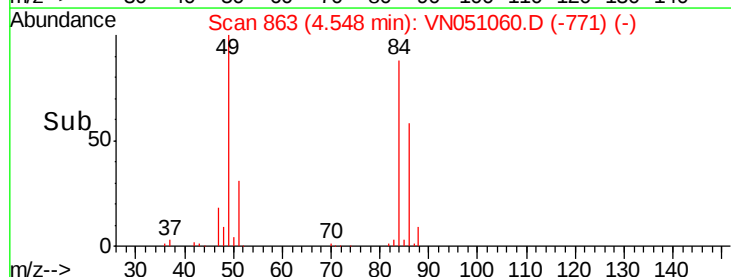
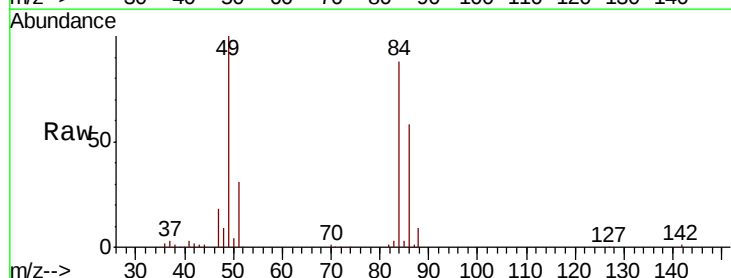
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

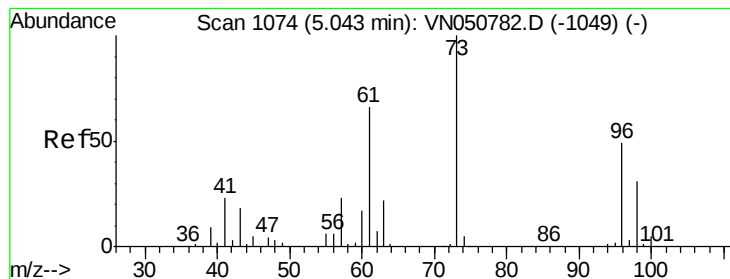
Tot Ion: 73 Resp: 1071190
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8



#20
Methylene Chloride
Concen: 48.03 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 84 Resp: 421976
Ion Ratio Lower Upper
84 100
49 114.3 93.2 139.8
51 35.5 29.0 43.6
86 66.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 49.84 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

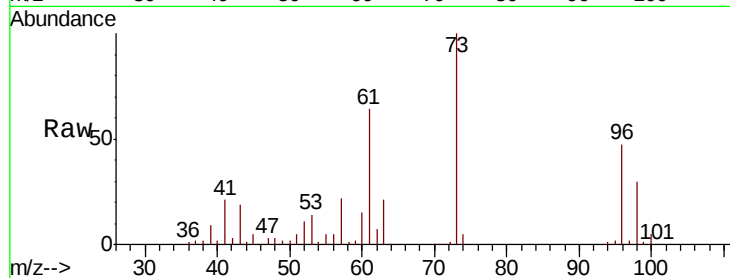
Tot Ion: 96 Resp: 392006

Ion Ratio Lower Upper

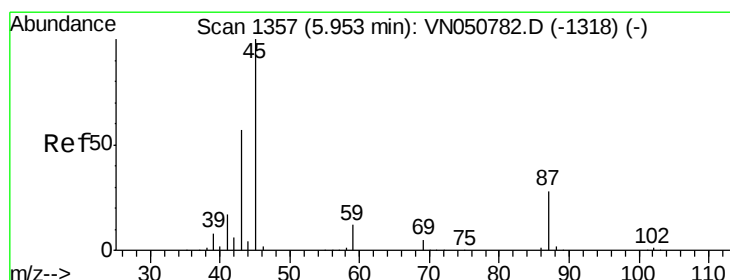
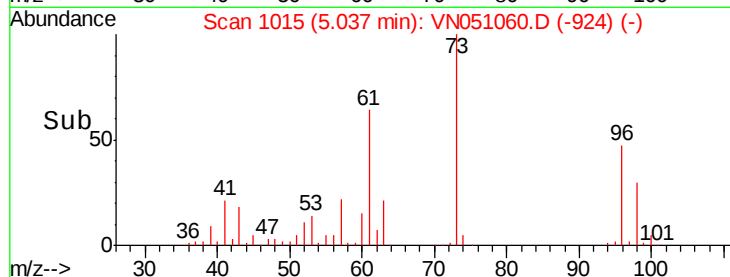
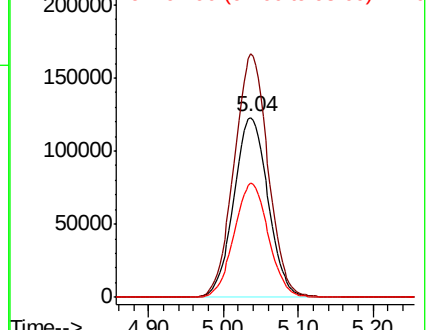
96 100

61 135.3 107.4 161.0

98 63.7 50.7 76.1



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



#22

Diisopropyl ether

Concen: 52.41 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Tgt Ion: 45 Resp: 1183726

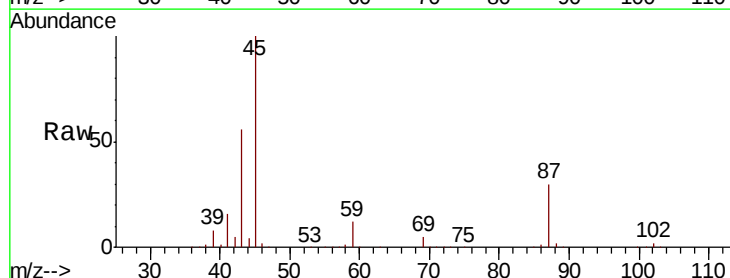
Ion Ratio Lower Upper

45 100

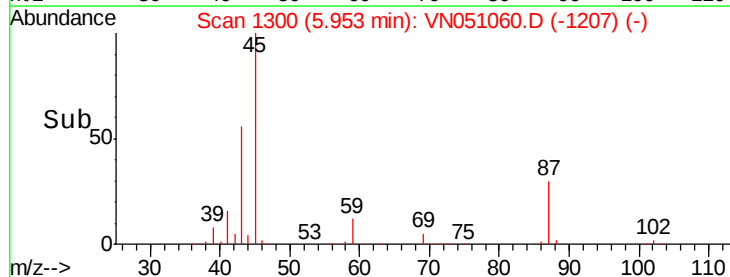
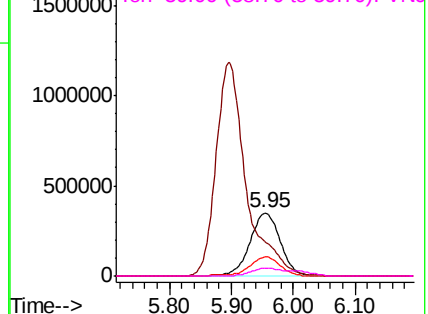
43 55.4 45.9 68.9

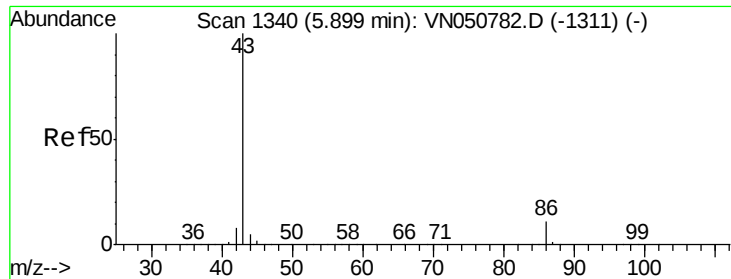
87 30.0 22.7 34.1

59 12.1 9.3 13.9



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

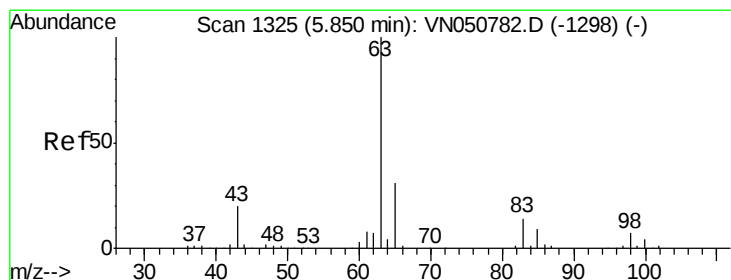
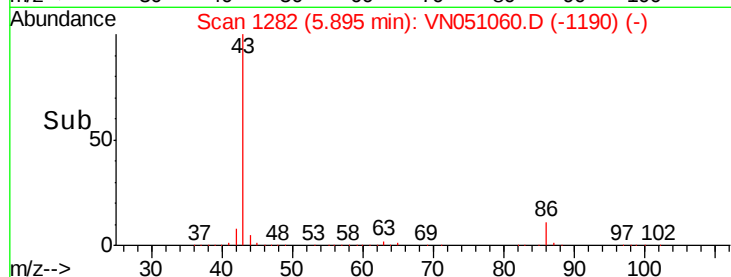
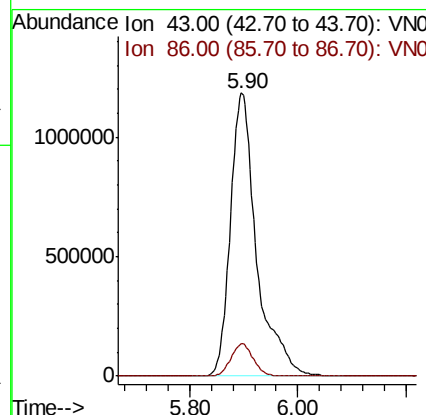
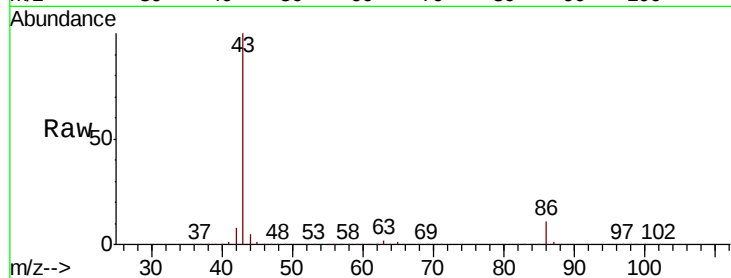




#23
 Vinyl Acetate
 Concen: 275.66 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

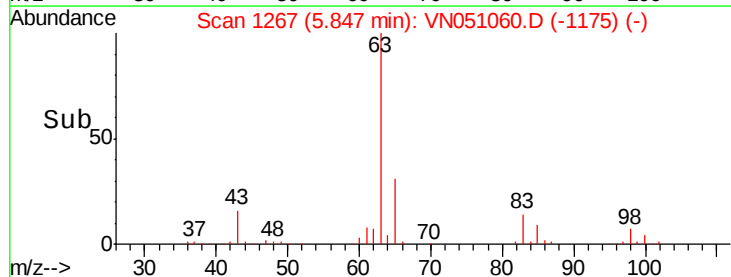
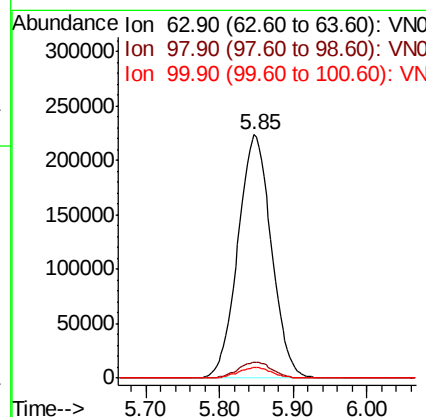
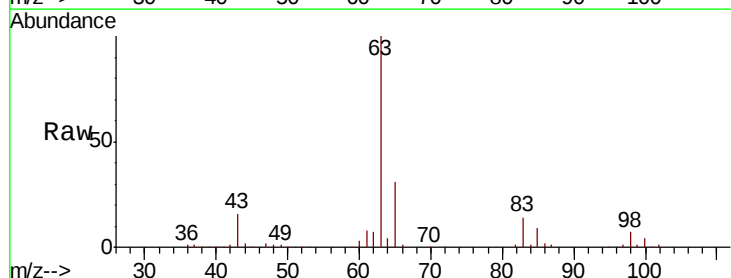
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

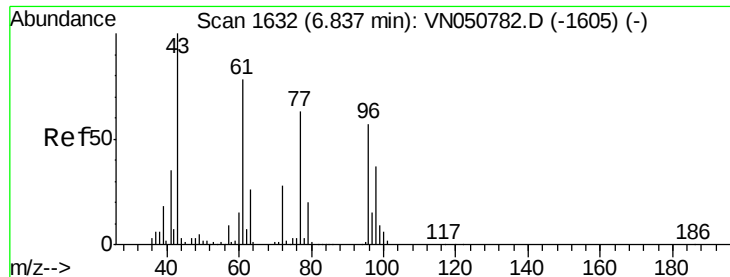
Tot Ion: 43 Resp: 4009236
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 48.70 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 63 Resp: 706028
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 275.94 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

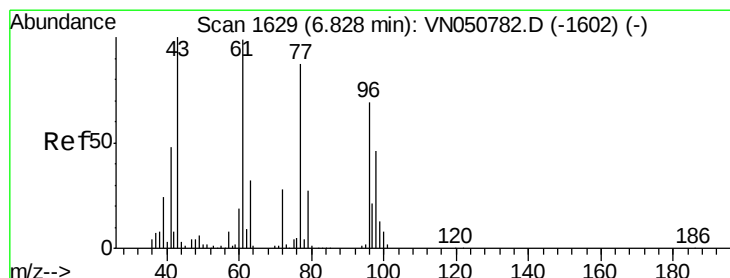
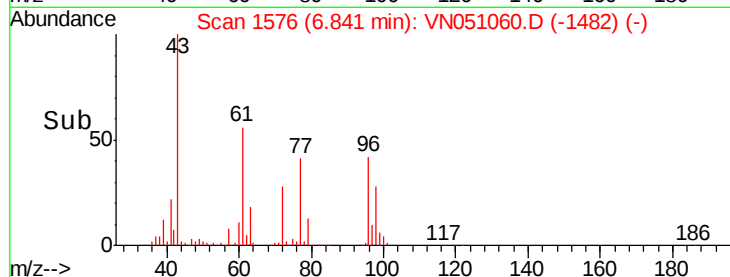
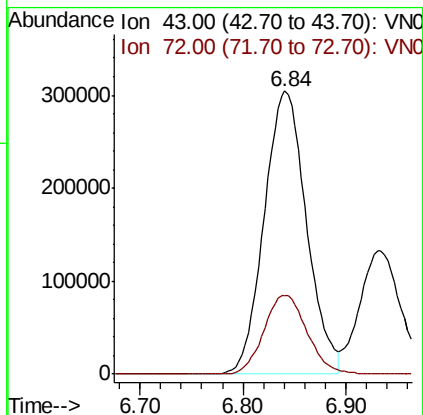
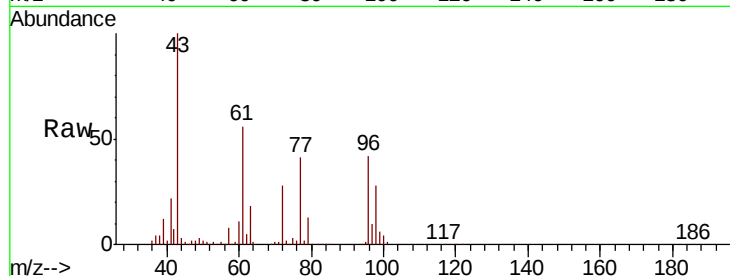
EP1-MW-C(15-20)MSD

Tot Ion: 43 Resp: 866848

Ion Ratio Lower Upper

43 100

72 28.0 22.3 33.5



#26

2,2-Dichloropropane

Concen: 45.72 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051060.D

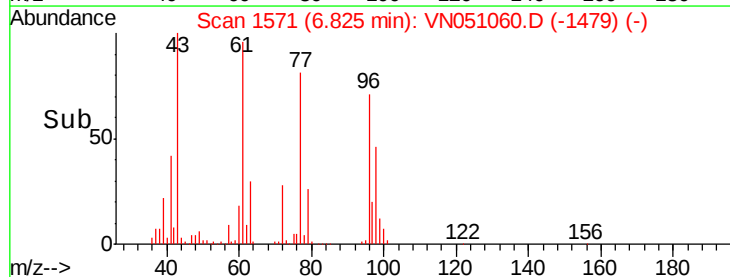
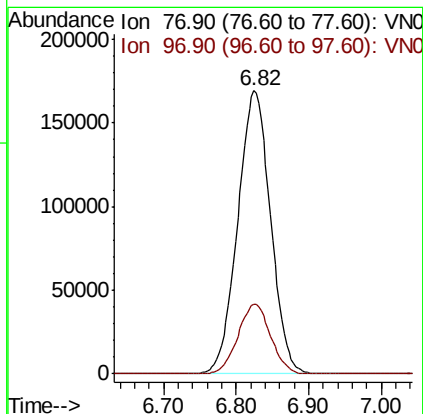
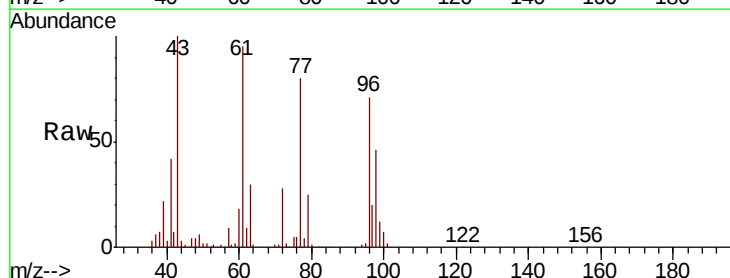
Acq: 7 Sep 2018 17:54

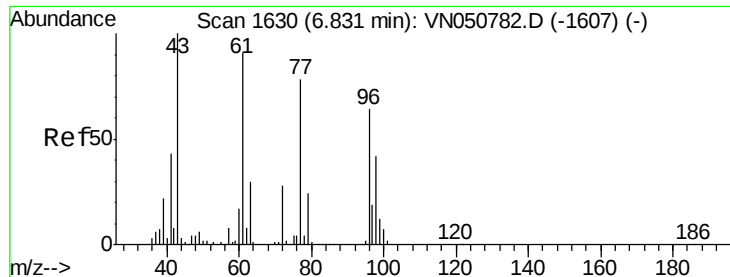
Tgt Ion: 77 Resp: 532684

Ion Ratio Lower Upper

77 100

97 24.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 51.95 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

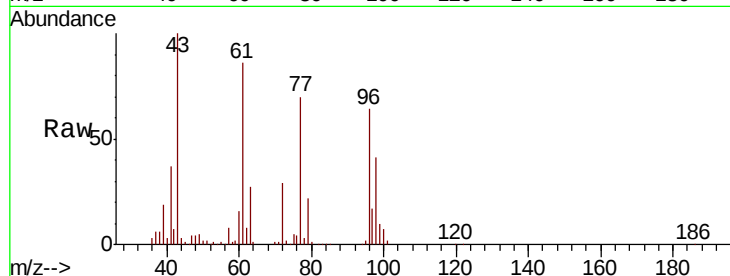
Tot Ion: 96 Resp: 440524

Ion Ratio Lower Upper

96 100

61 136.5 0.0 283.4

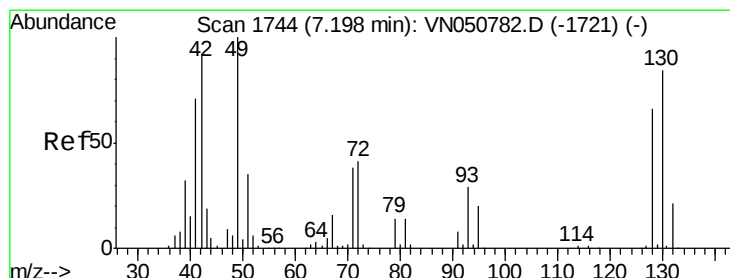
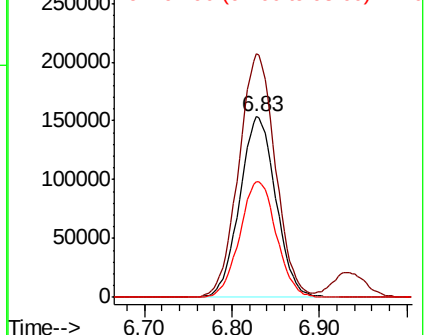
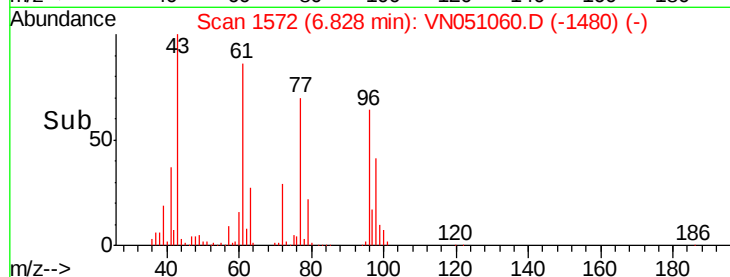
98 64.9 0.0 129.8



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



#28

Bromochloromethane

Concen: 44.54 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

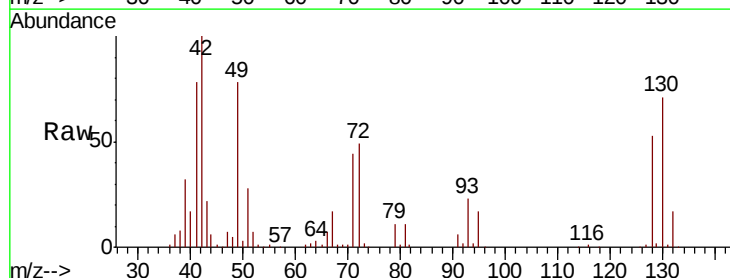
Tgt Ion: 49 Resp: 274388

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

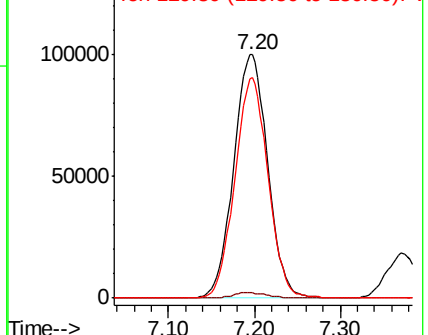
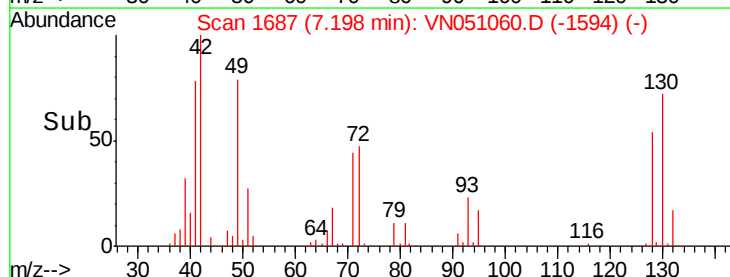
130 88.4 67.1 100.7

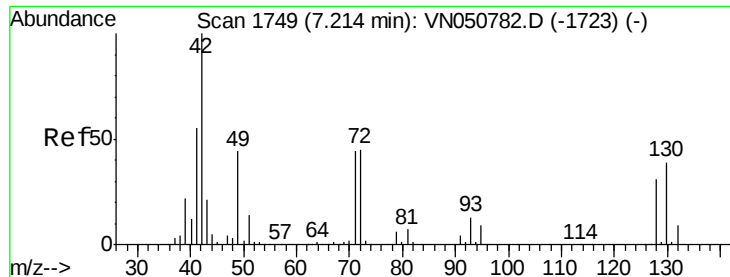


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

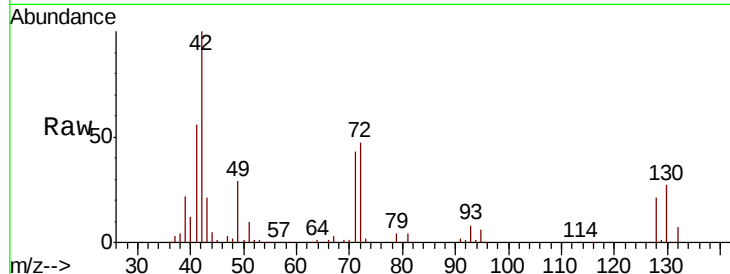




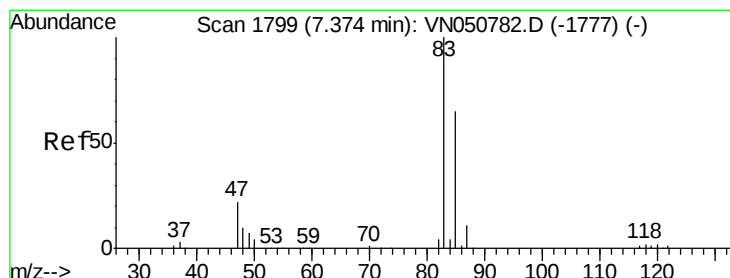
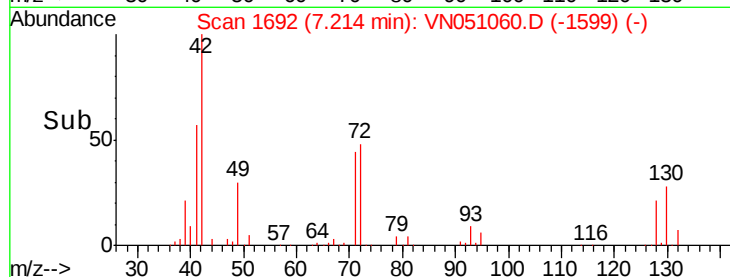
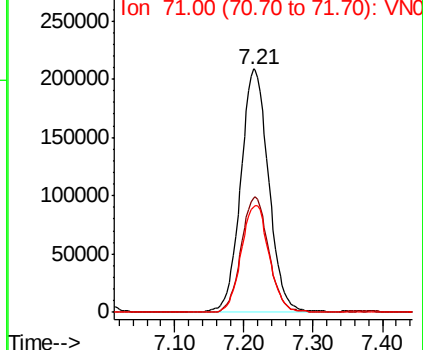
#29
Tetrahydrofuran
Concen: 323.67 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion: 42 Resp: 582965
Ion Ratio Lower Upper
42 100
72 46.8 35.5 53.3
71 43.9 33.7 50.5

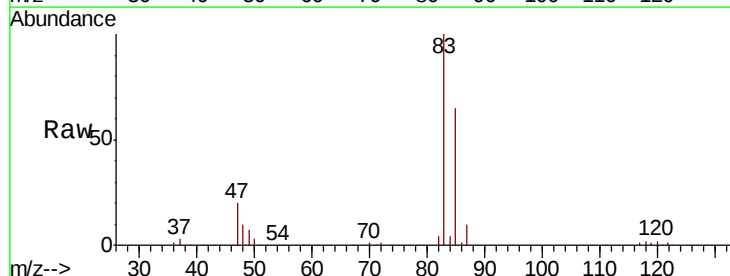


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

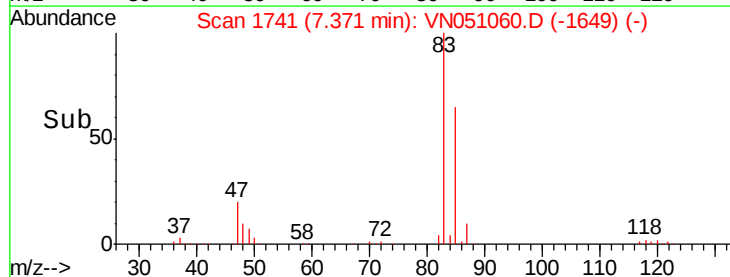
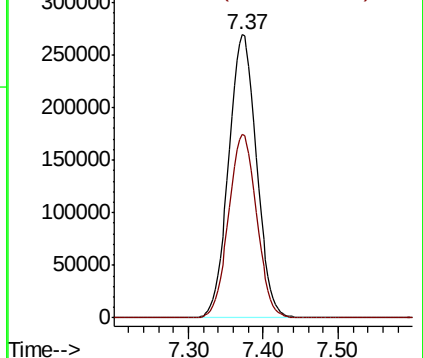


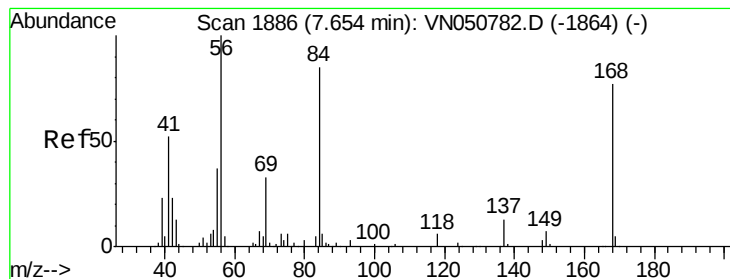
#30
Chloroform
Concen: 48.70 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 83 Resp: 699152
Ion Ratio Lower Upper
83 100
85 64.9 52.2 78.4



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





#31

Cyclohexane

Concen: 48.76 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

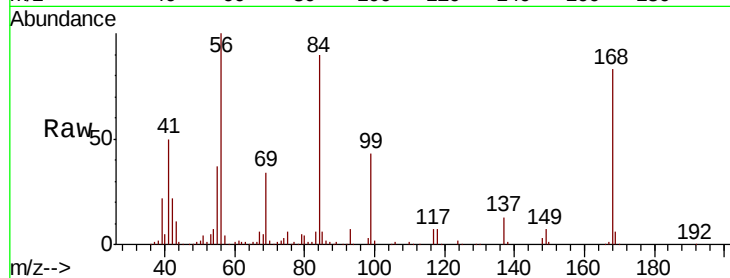
Tot Ion: 56 Resp: 642335

Ion Ratio Lower Upper

56 100

69 33.6 26.2 39.4

84 89.1 68.3 102.5

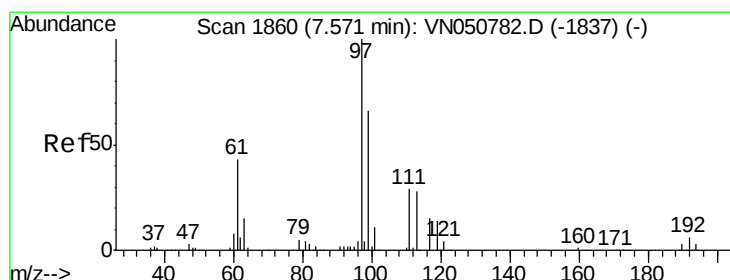
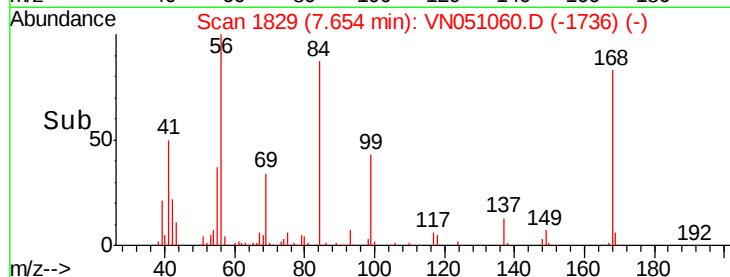
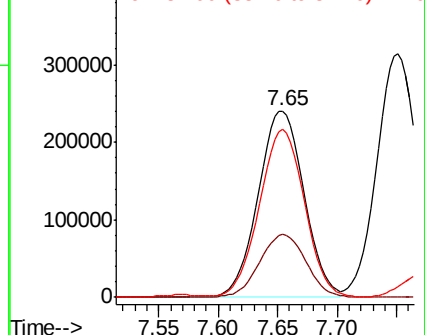


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.45 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

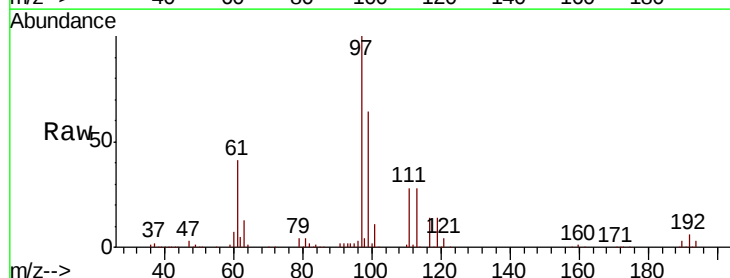
Tgt Ion: 97 Resp: 597504

Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 41.5 34.9 52.3

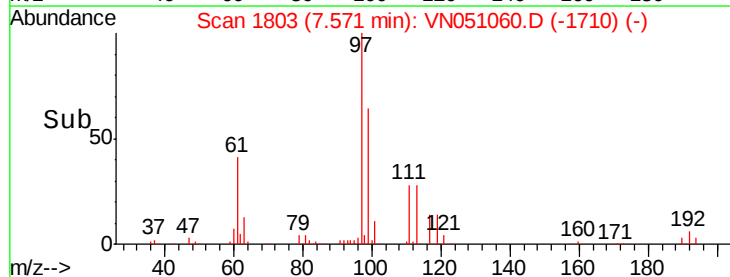
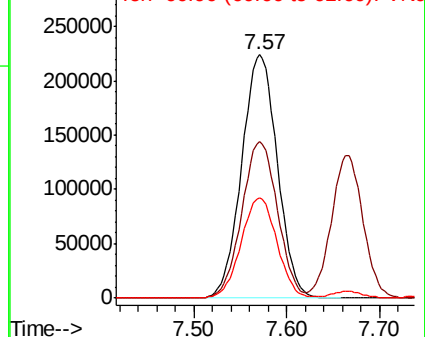


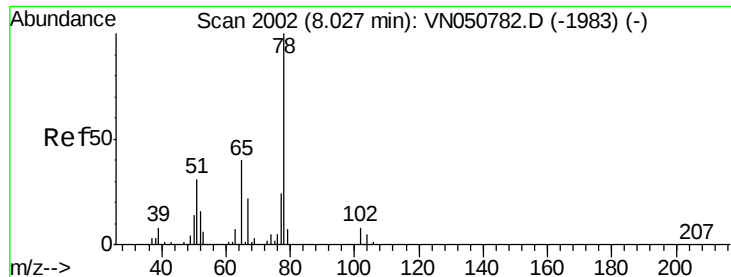
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

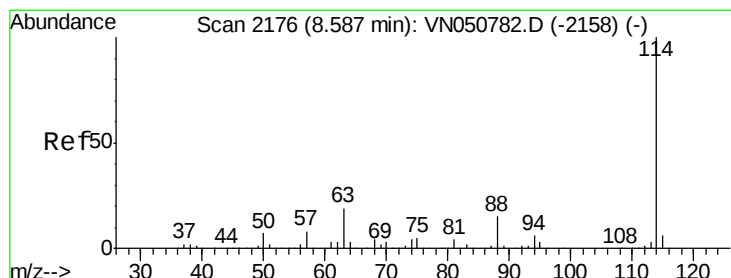
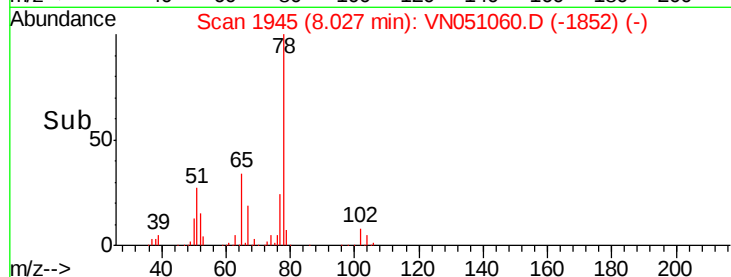
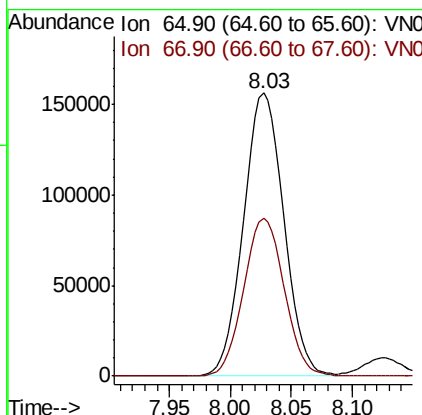
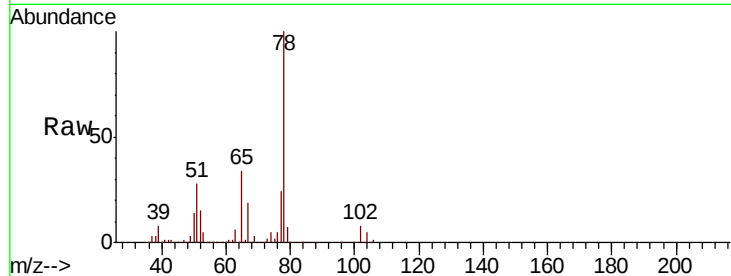




#33
 1,2-Dichloroethane-d4
 Concen: 45.92 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

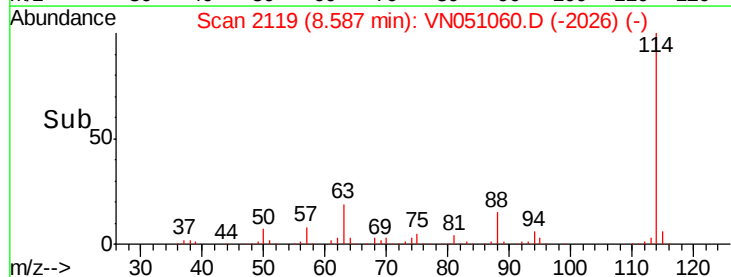
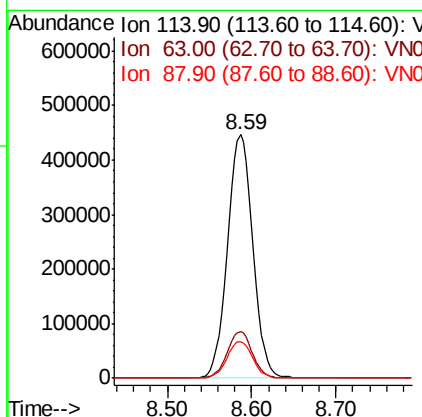
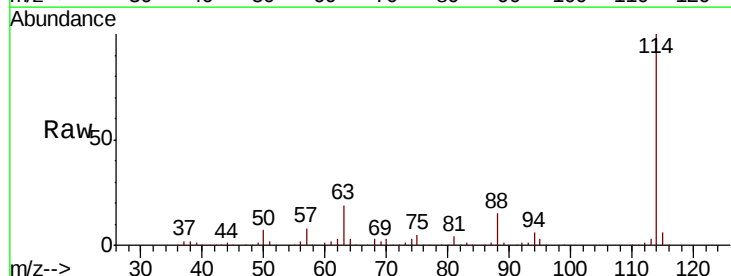
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

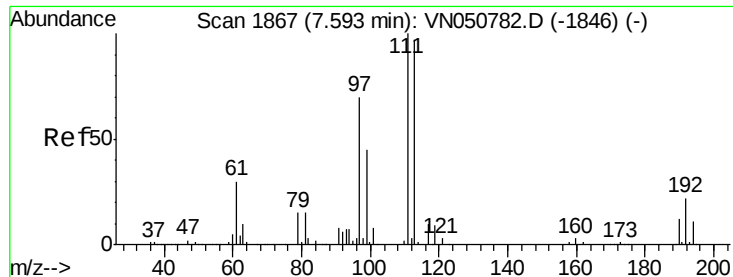
Tot Ion: 65 Resp: 357929
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 114 Resp: 930655
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.0 0.0 30.6

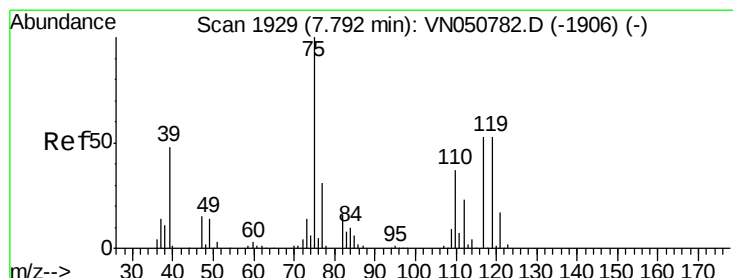
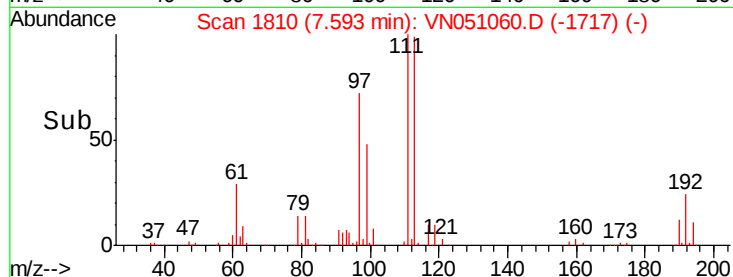
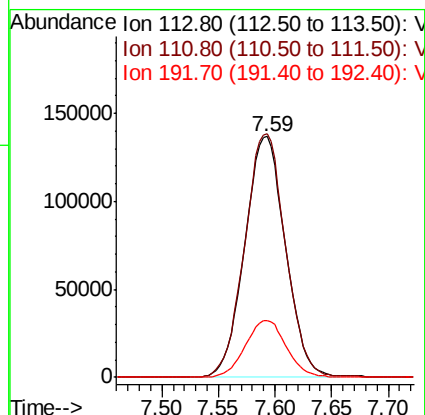
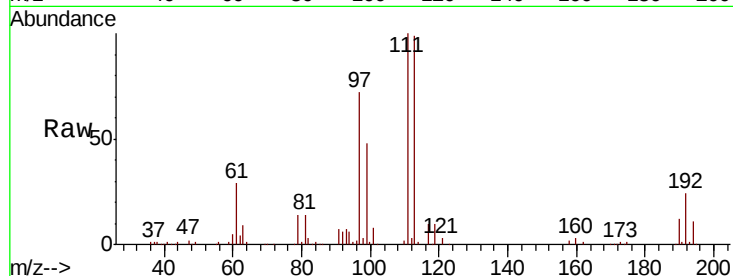




#35
 Dibromofluoromethane
 Concen: 46.32 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

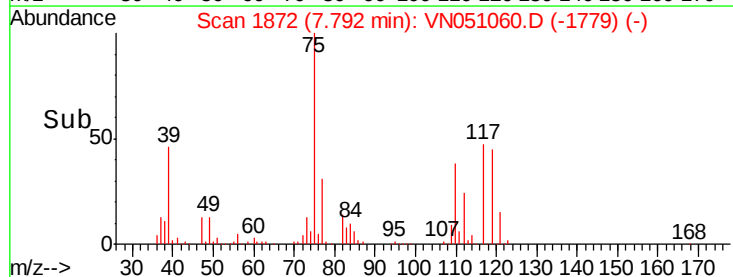
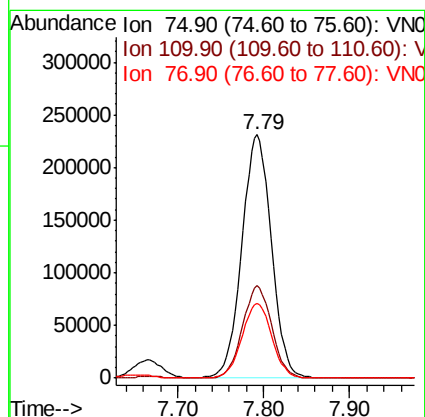
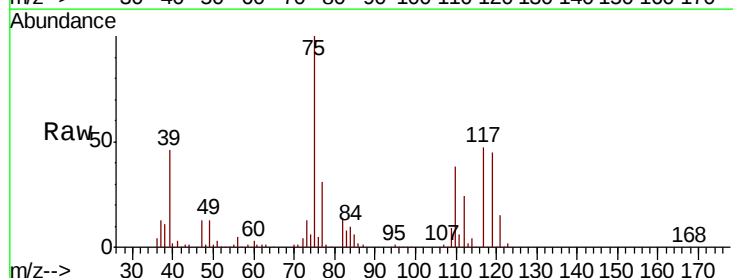
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

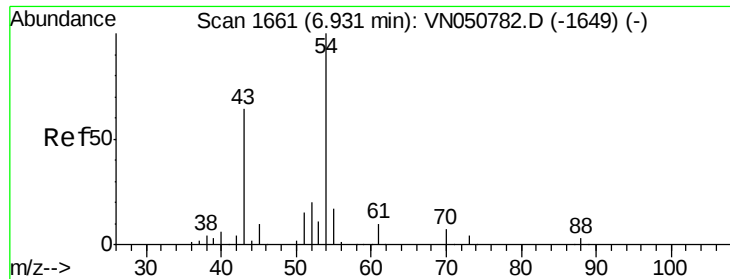
Tot Ion:113 Resp: 342961
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 123.8
 192 23.7 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 50.09 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 75 Resp: 550060
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.1 54.4
 77 31.3 24.8 37.2

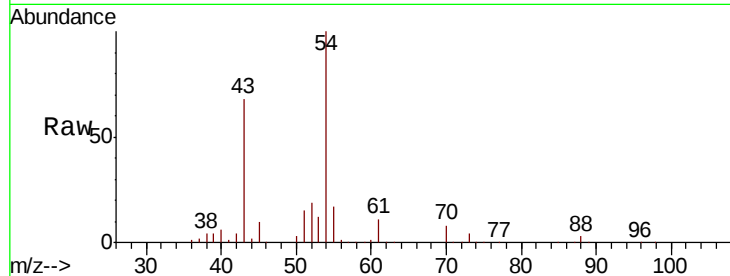




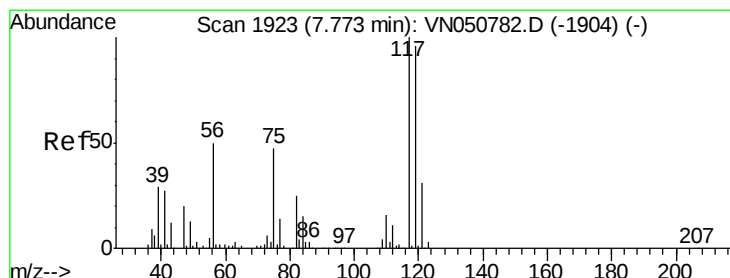
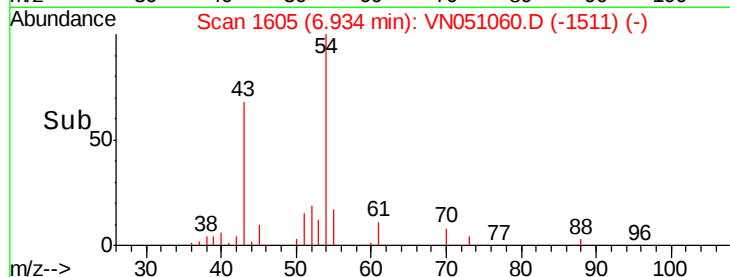
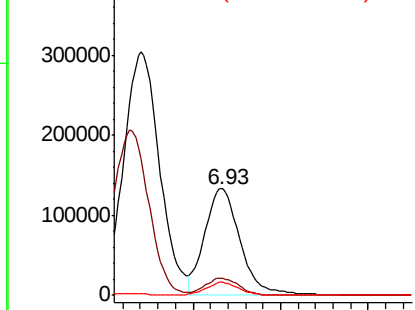
#37
Ethyl Acetate
Concen: 58.99 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion: 43 Resp: 372150
Ion Ratio Lower Upper
43 100
61 15.3 12.0 18.0
70 11.6 8.6 13.0

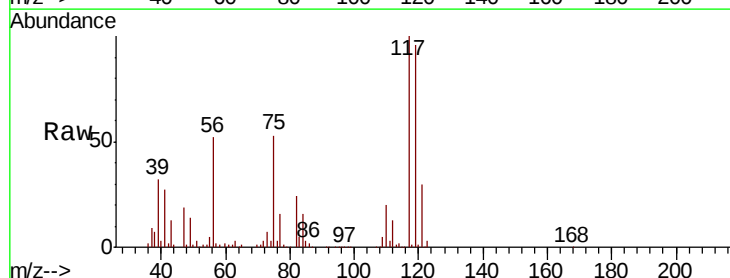


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

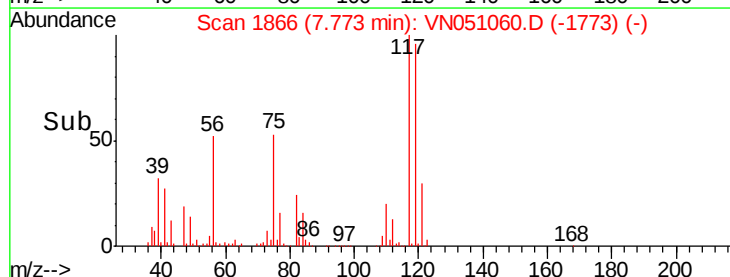
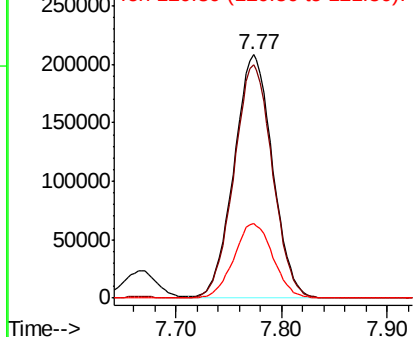


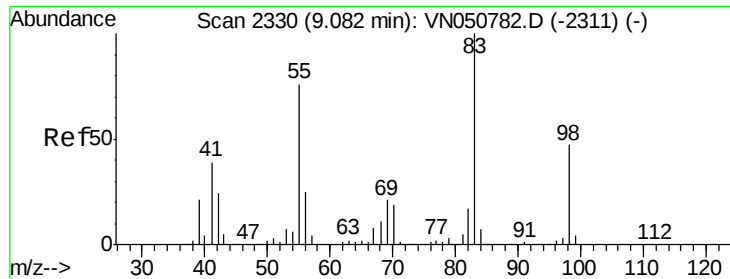
#38
Carbon Tetrachloride
Concen: 47.62 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 117 Resp: 528620
Ion Ratio Lower Upper
117 100
119 95.7 76.3 114.5
121 30.4 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

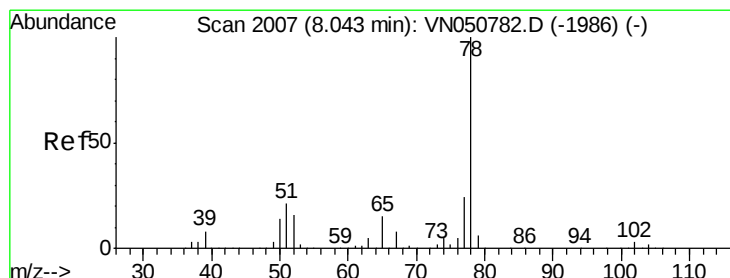
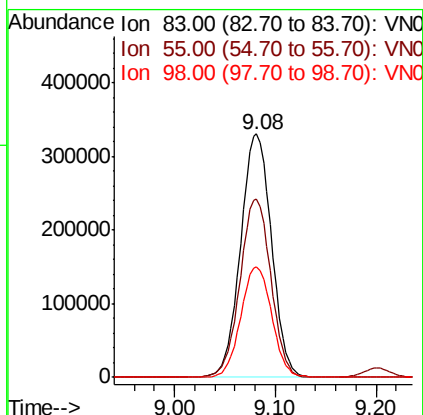
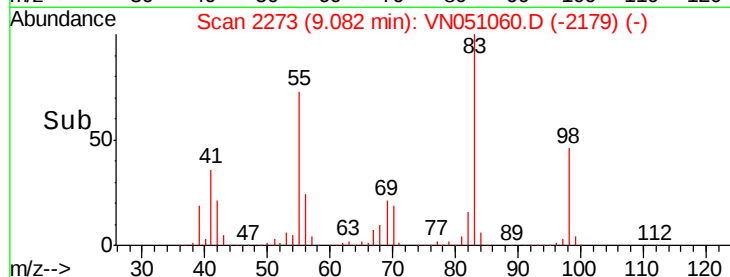
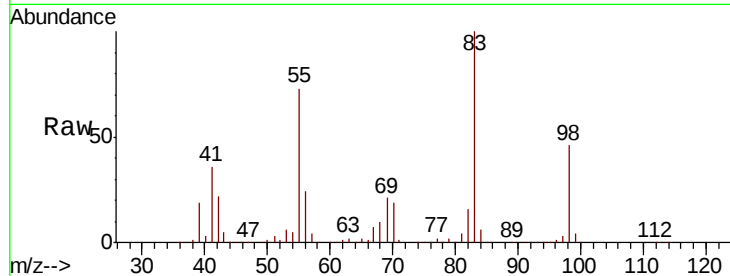




#39
Methvlcvclohexane
Concen: 58.90 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

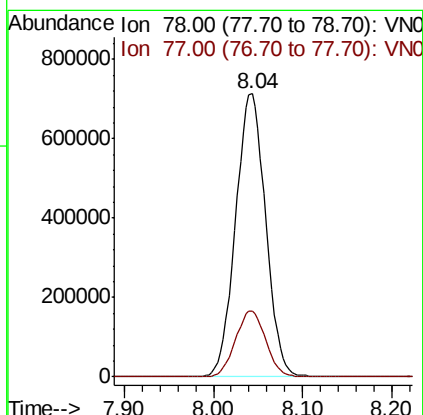
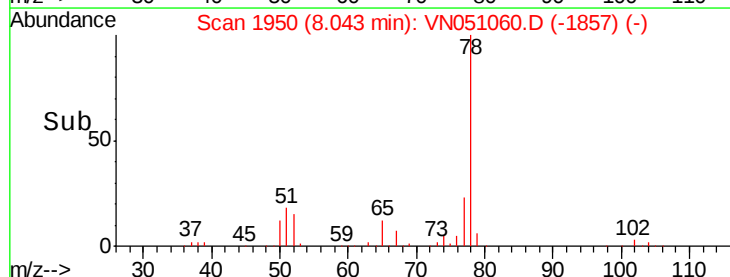
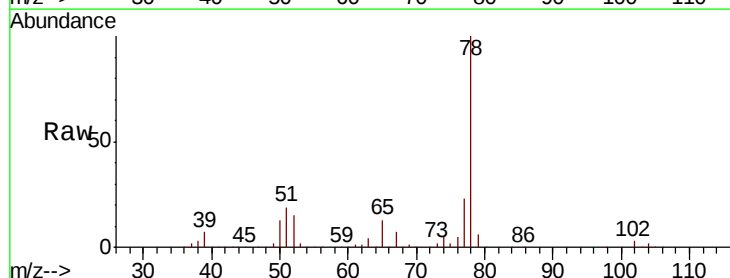
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion: 83 Resp: 699823
Ion Ratio Lower Upper
83 100
55 73.0 61.0 91.4
98 45.6 37.5 56.3



#40
Benzene
Concen: 50.41 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 78 Resp: 1669535
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

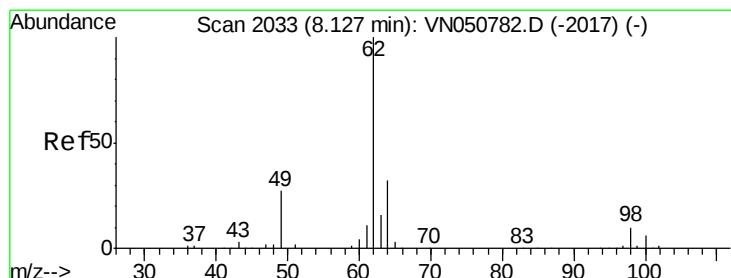
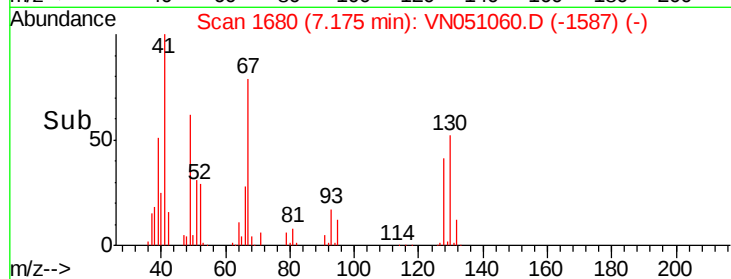
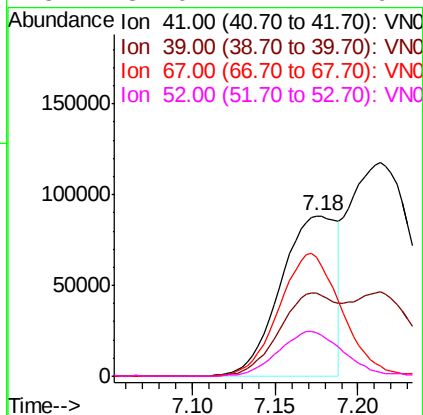
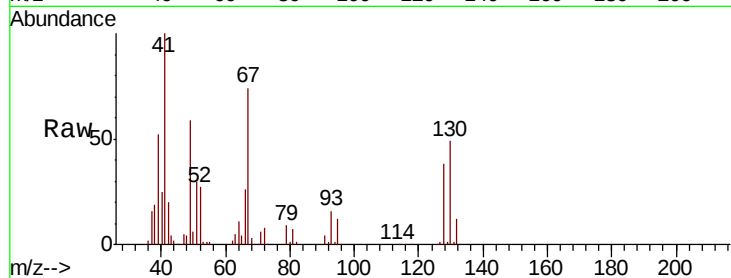




#41
Methacrylonitrile
Concen: 61.04 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

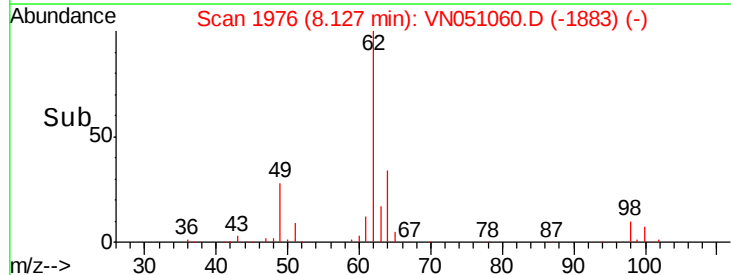
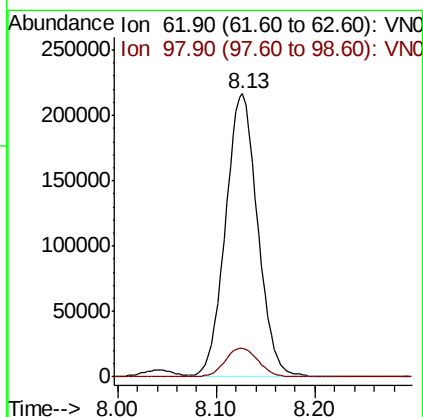
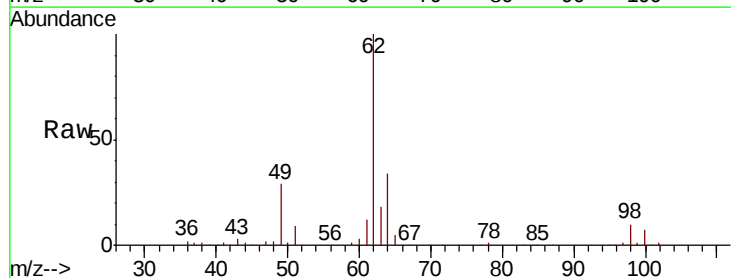
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

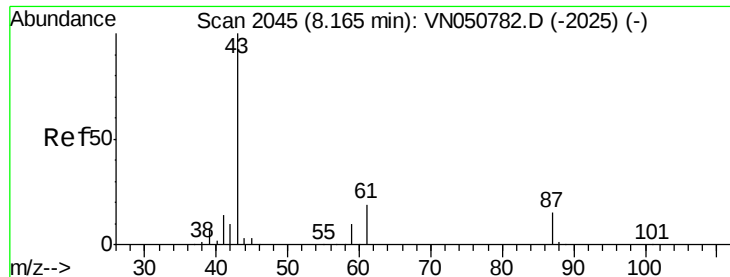
Tot Ion:	41	Resp:	208400
Ion	Ratio	Lower	Upper
41	100		
39	51.4	45.4	68.0
67	86.4	70.6	106.0
52	32.0	27.1	40.7



#42
1,2-Dichloroethane
Concen: 49.59 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion:	62	Resp:	491004
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.6



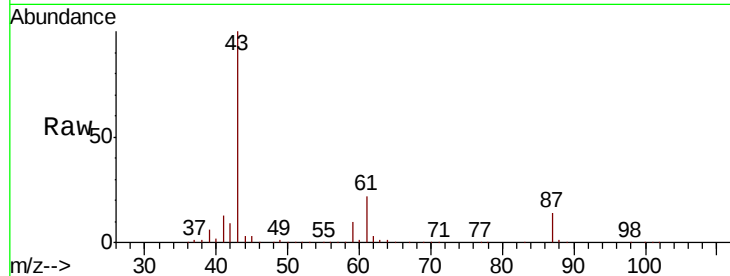


#43

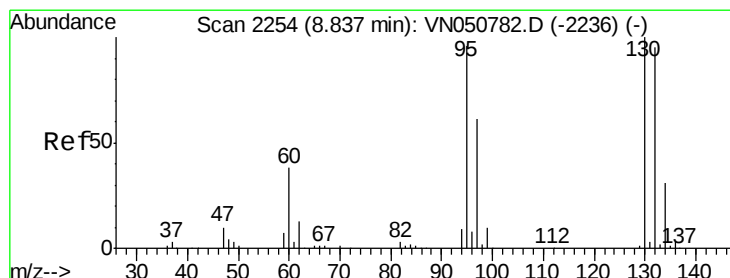
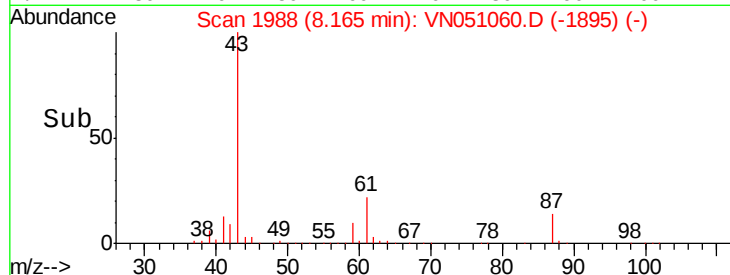
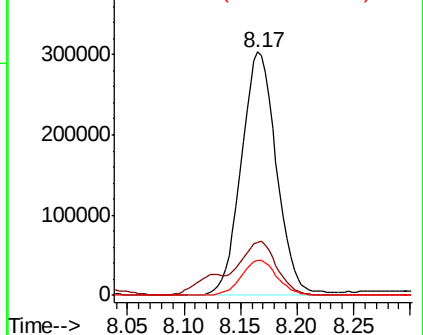
Isopropyl Acetate
 Concen: 60.47 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion: 43 Resp: 655912
 Ion Ratio Lower Upper
 43 100
 61 22.2 17.5 26.3
 87 14.7 11.3 16.9



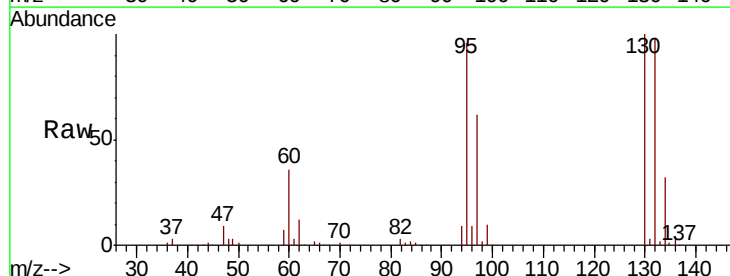
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



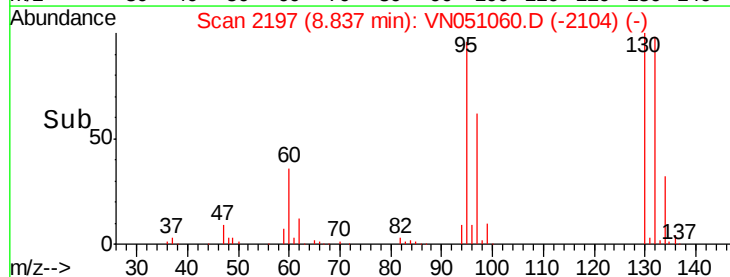
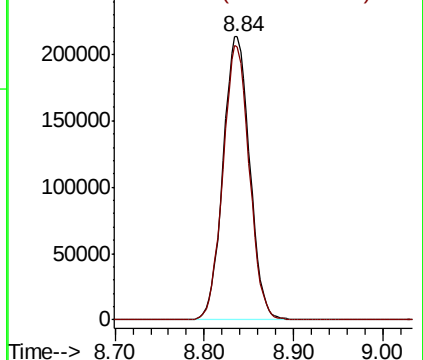
#44

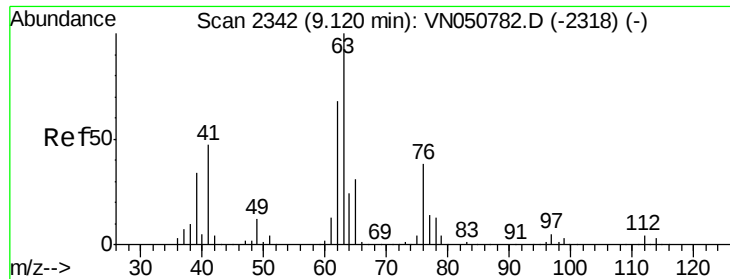
Trichloroethene
 Concen: 50.50 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 130 Resp: 441048
 Ion Ratio Lower Upper
 130 100
 95 96.3 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0

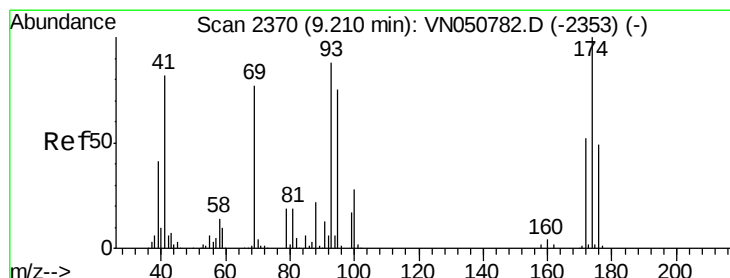
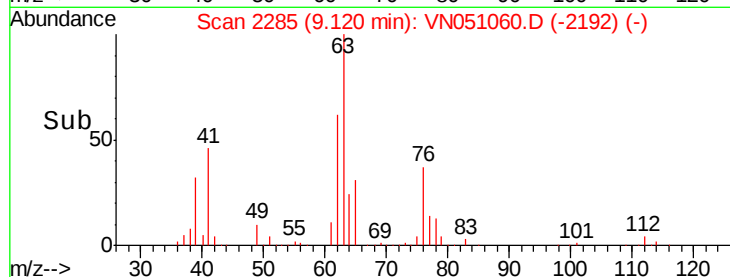
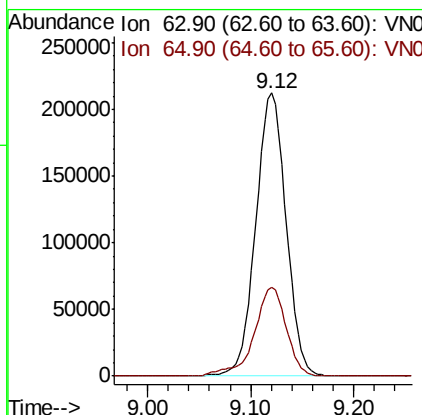
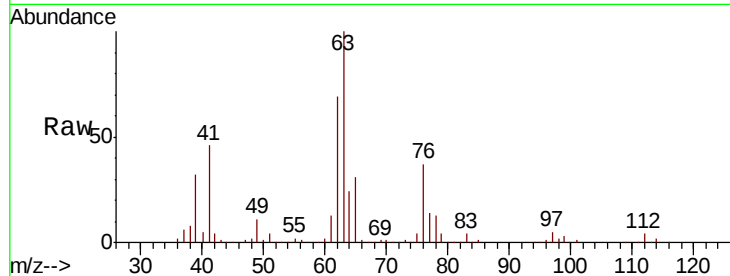




#45
 1,2-Dichloropropane
 Concen: 49.73 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

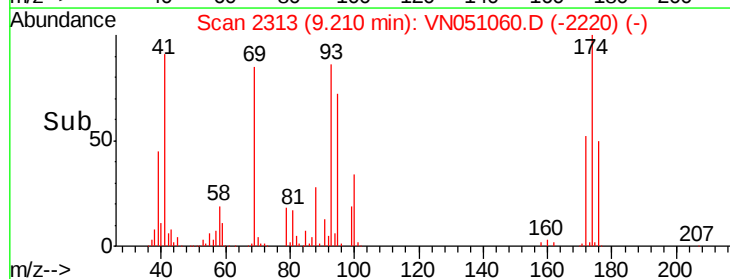
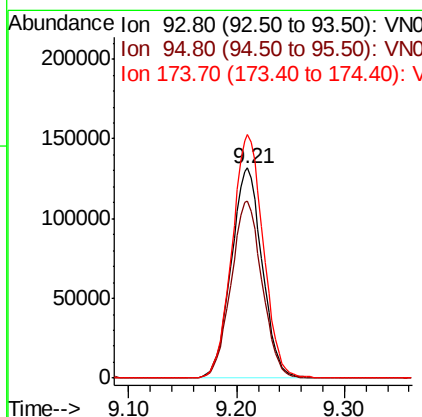
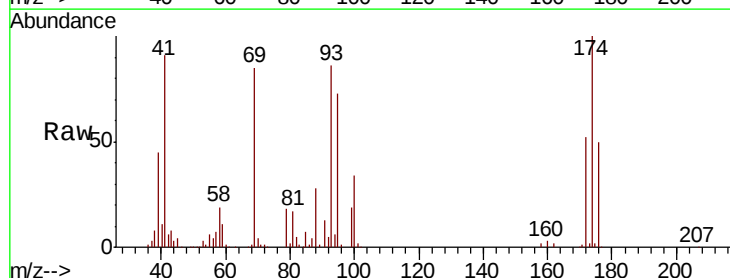
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

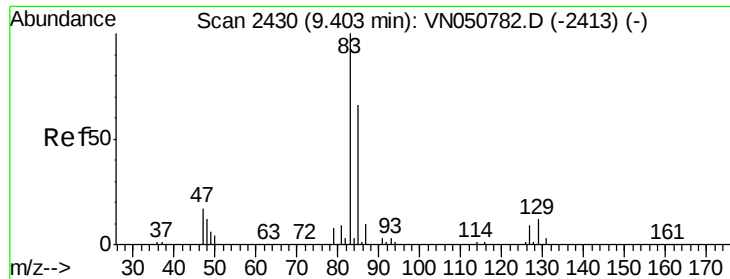
Tot Ion: 63 Resp: 432872
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6



#46
 Dibromomethane
 Concen: 51.52 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 93 Resp: 263453
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.7 100.1
 174 116.9 89.8 134.6

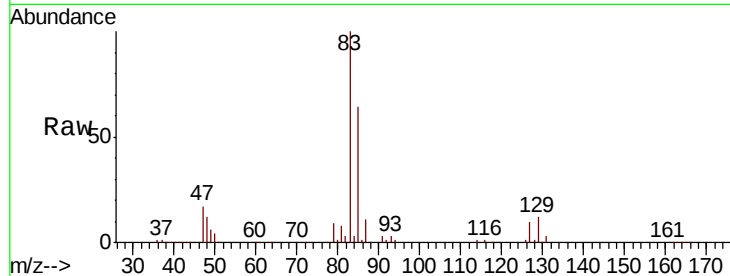




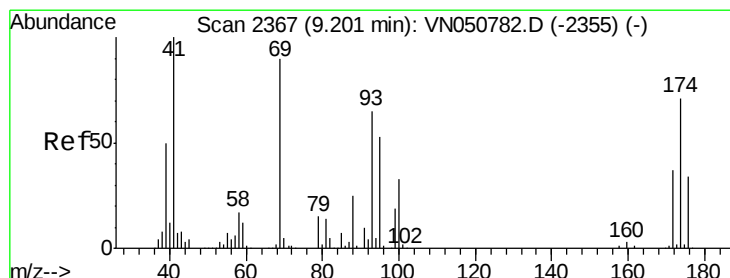
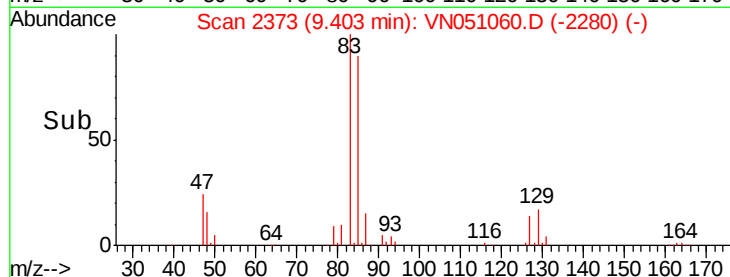
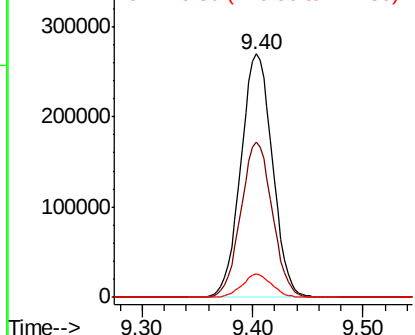
#47
Bromodichloromethane
Concen: 49.94 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion: 83 Resp: 534967
Ion Ratio Lower Upper
83 100
85 63.5 52.6 78.8
127 9.5 7.2 10.8

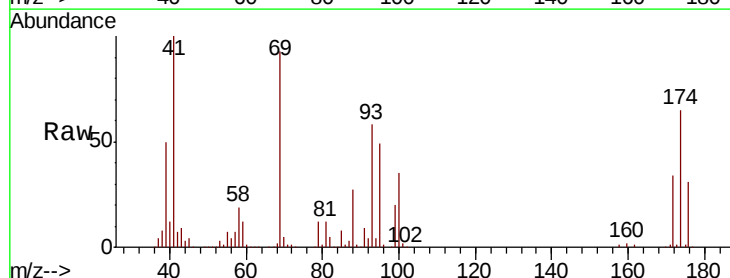


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

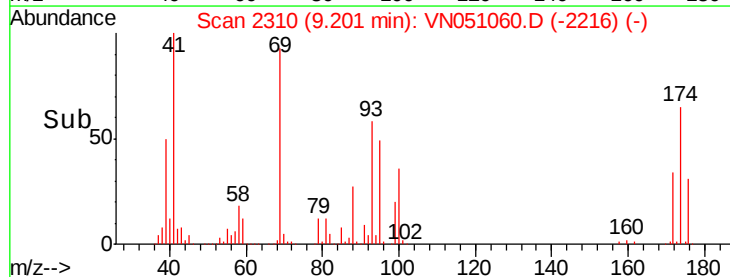
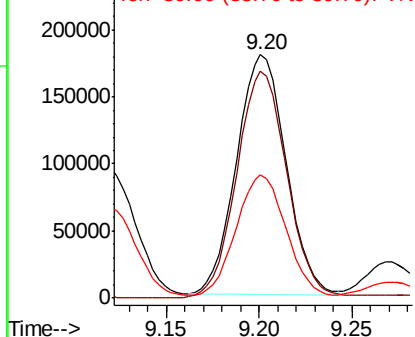


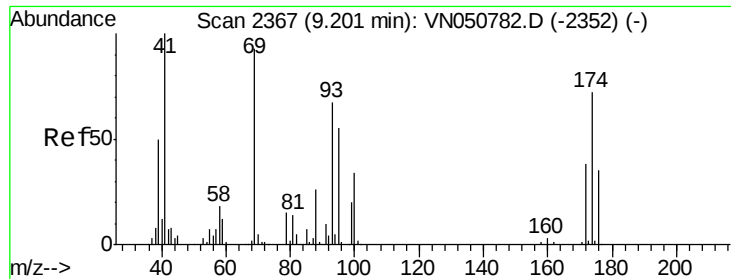
#48
Methyl methacrylate
Concen: 60.13 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 41 Resp: 332403
Ion Ratio Lower Upper
41 100
69 95.8 74.7 112.1
39 52.0 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

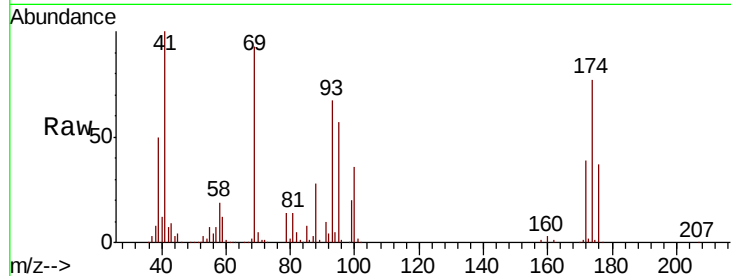




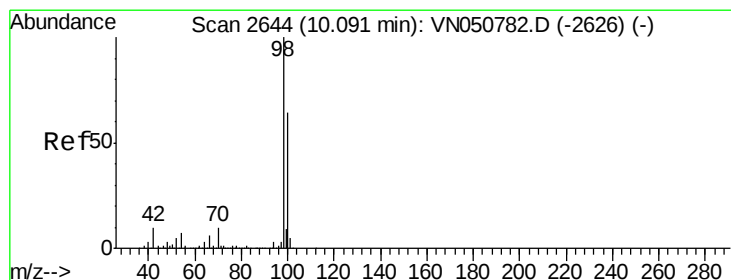
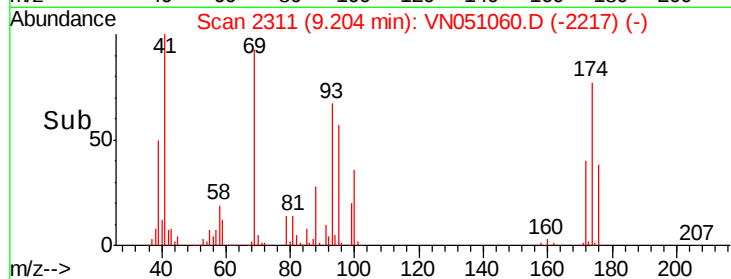
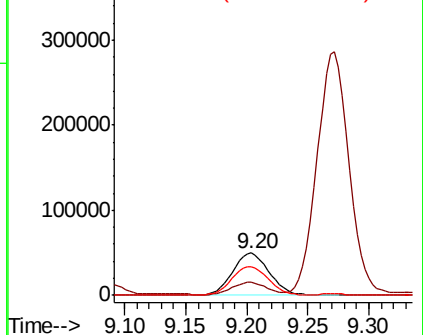
#49
1,4-Dioxane
Concen: 1384.07 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion: 88 Resp: 104300
Ion Ratio Lower Upper
88 100
43 27.0 25.9 38.9
58 68.2 55.0 82.4

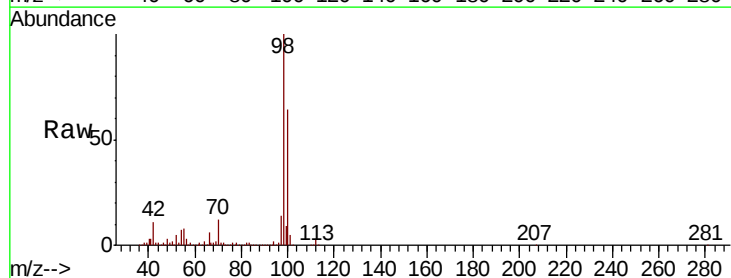


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

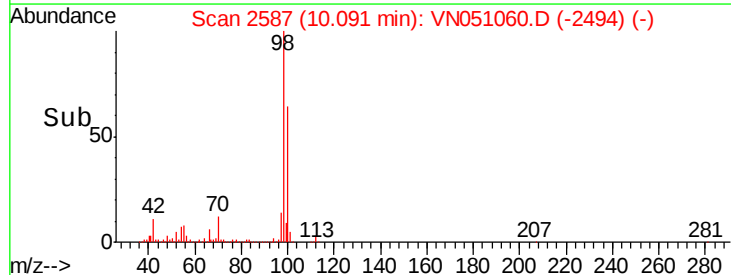
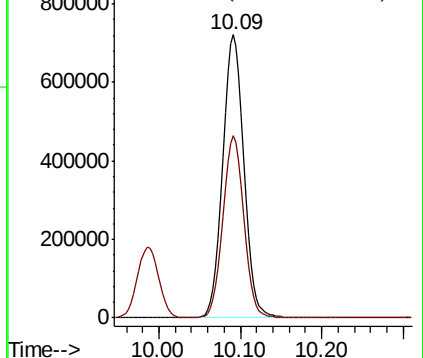


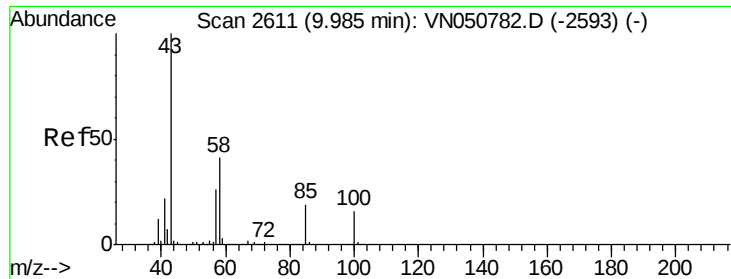
#50
Toluene-d8
Concen: 48.14 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 98 Resp: 1332643
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



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

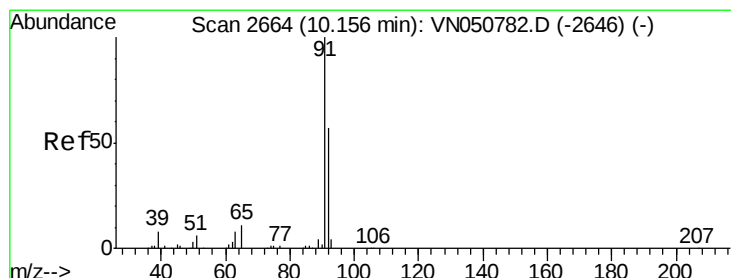
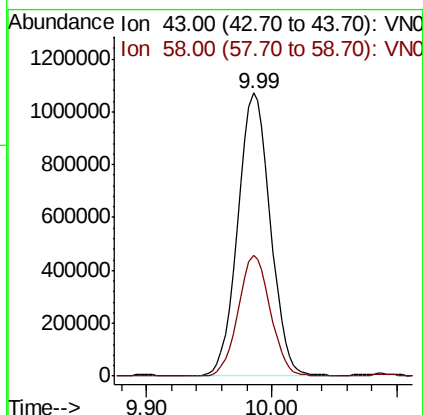
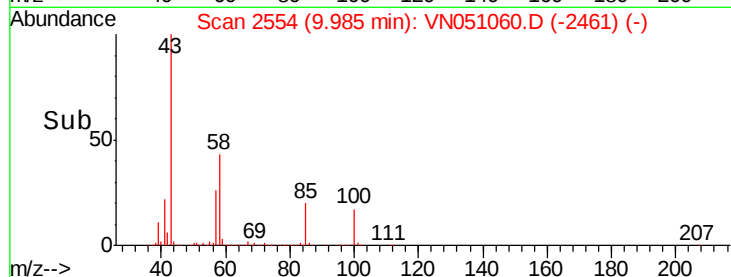
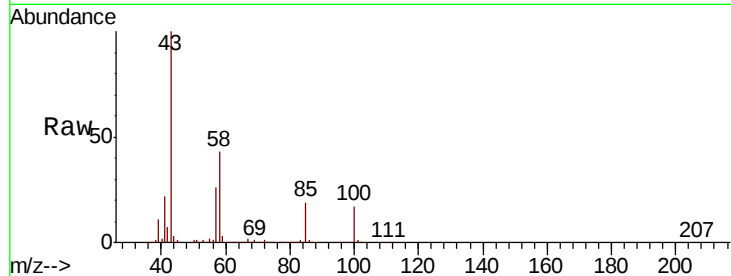




#51
4-Methyl-2-Pentanone
Concen: 297.50 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

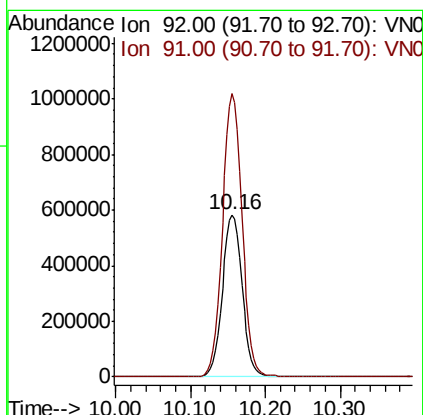
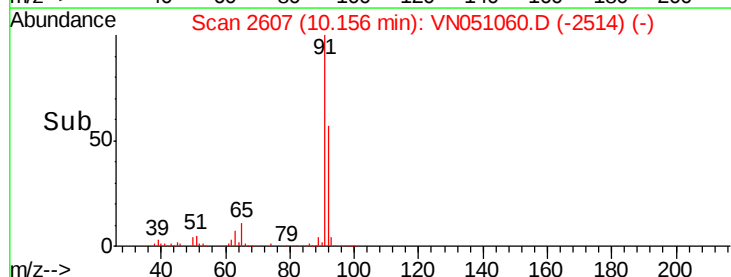
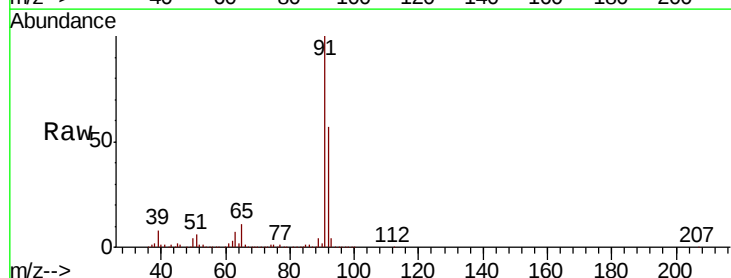
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

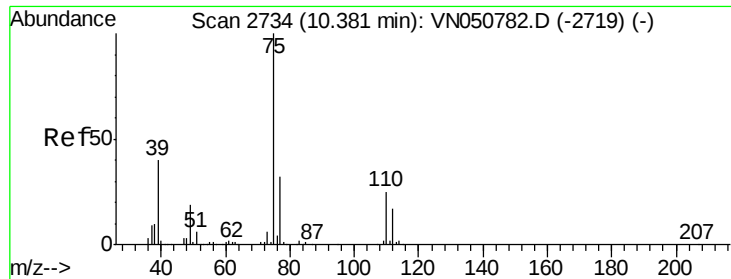
Tot Ion: 43 Resp: 1925638
Ion Ratio Lower Upper
43 100
58 42.3 32.4 48.6



#52
Toluene
Concen: 54.12 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 92 Resp: 1061626
Ion Ratio Lower Upper
92 100
91 173.0 140.6 211.0

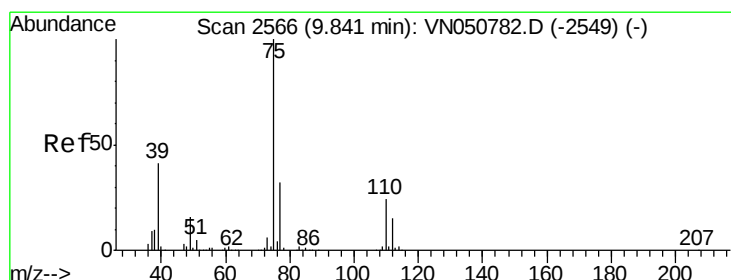
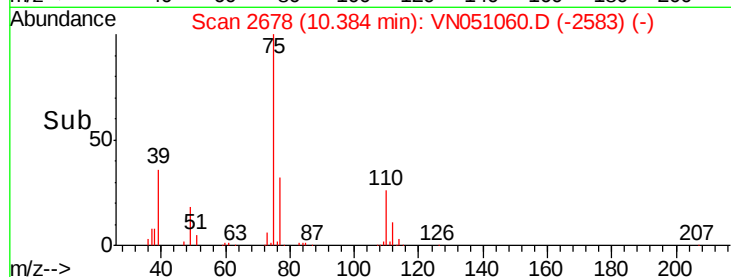
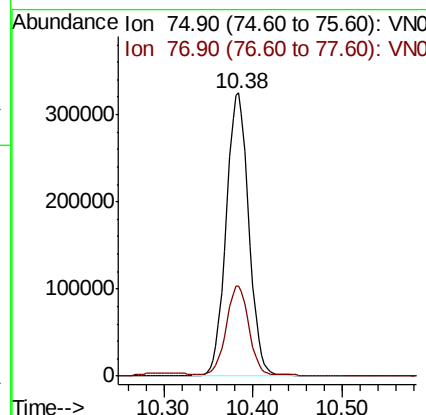
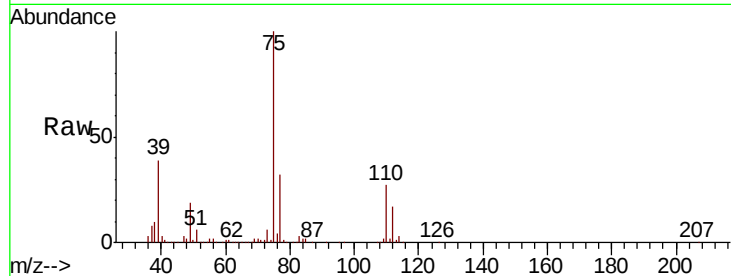




#53
t-1,3-Dichloropropene
Concen: 53.58 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

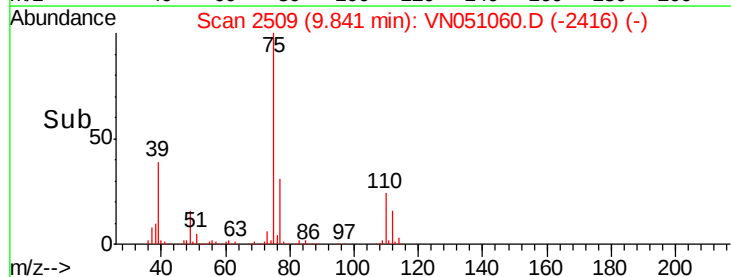
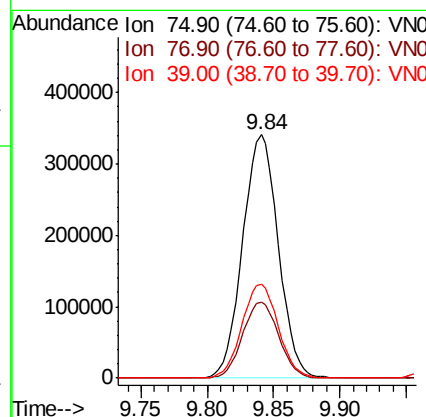
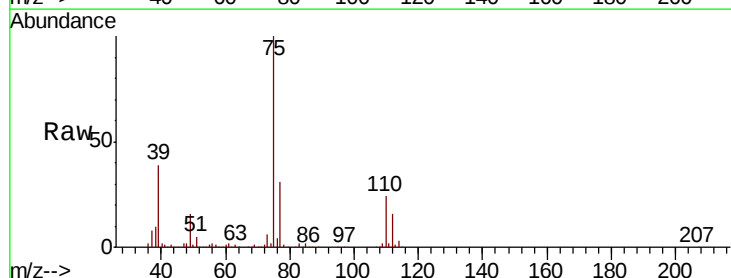
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

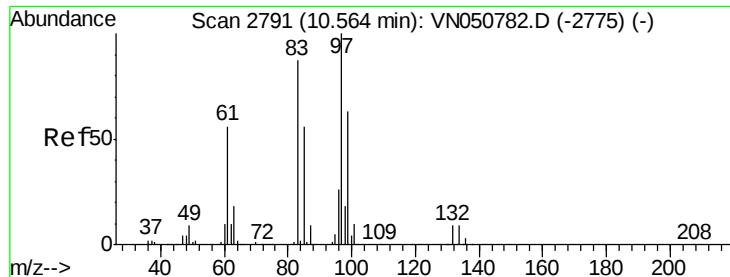
Tot Ion: 75 Resp: 571197
Ion Ratio Lower Upper
75 100
77 31.8 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 52.16 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 75 Resp: 636825
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2
39 38.6 33.0 49.4

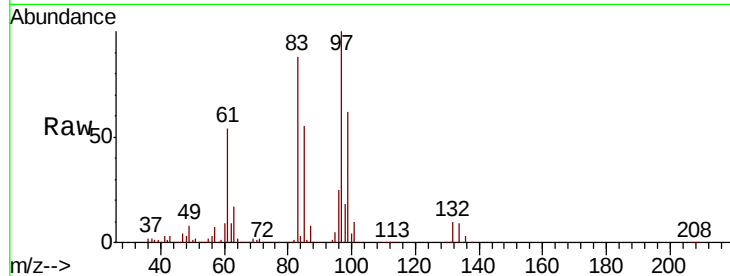




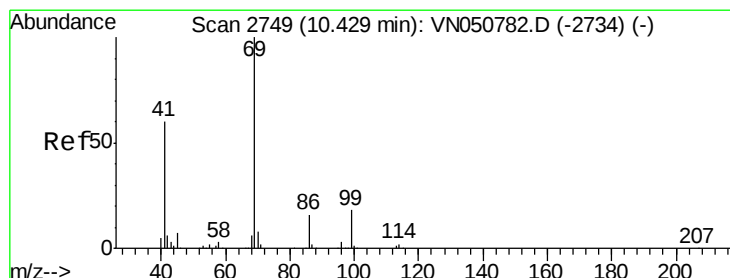
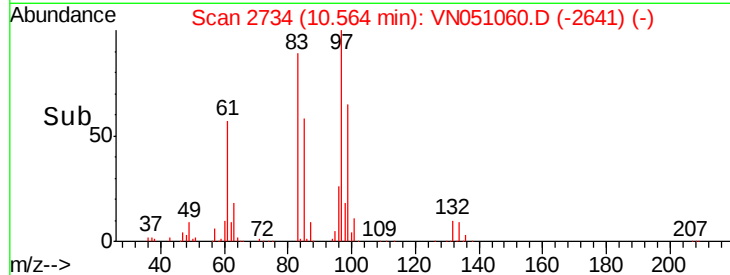
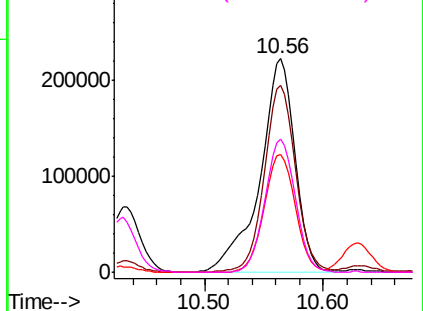
#55
 1,1,2-Trichloroethane
 Concen: 62.32 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion: 97 Resp: 453802
 Ion Ratio Lower Upper
 97 100
 83 87.5 69.7 104.5
 85 55.3 44.5 66.7
 99 61.9 50.7 76.1

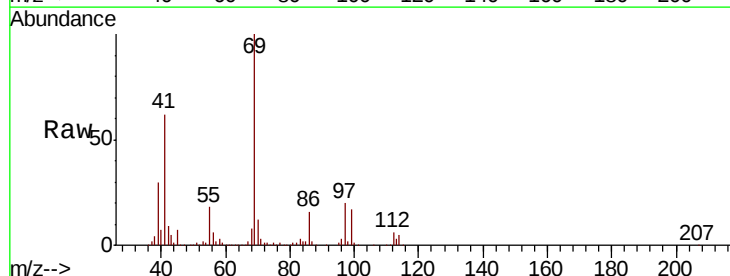


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

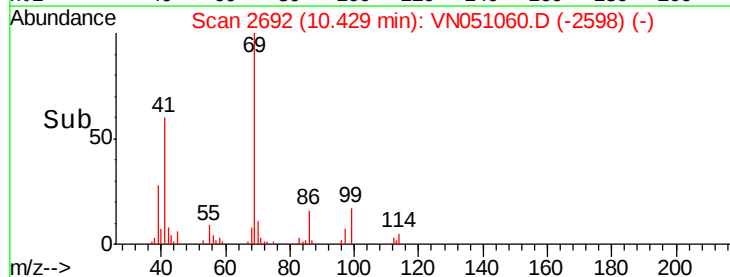
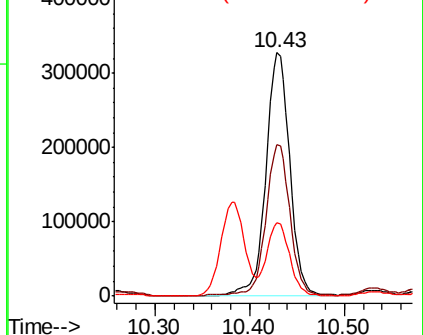


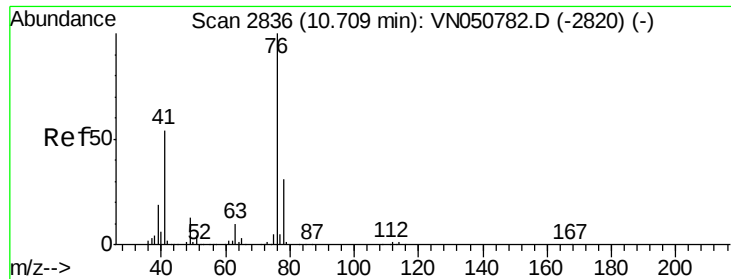
#56
 Ethyl methacrylate
 Concen: 60.20 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 69 Resp: 575009
 Ion Ratio Lower Upper
 69 100
 41 63.1 48.3 72.5
 39 28.8 24.0 36.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

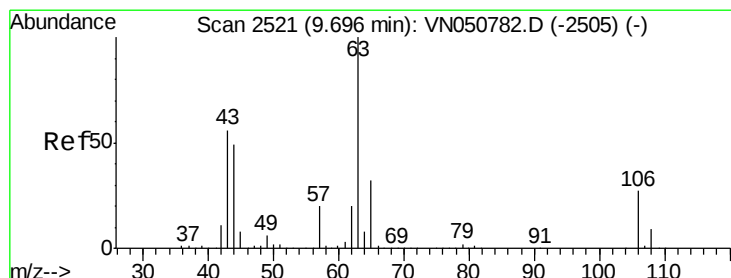
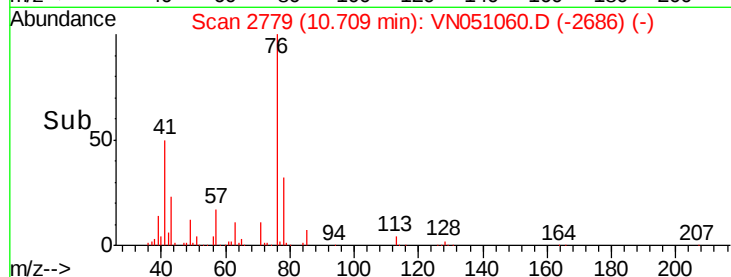
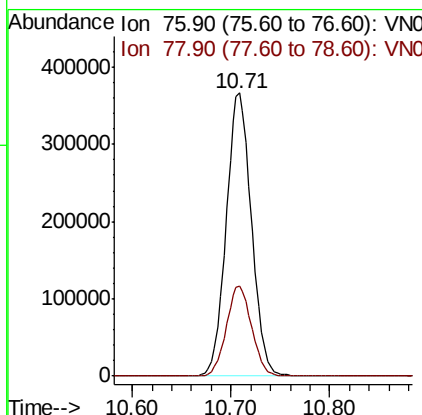
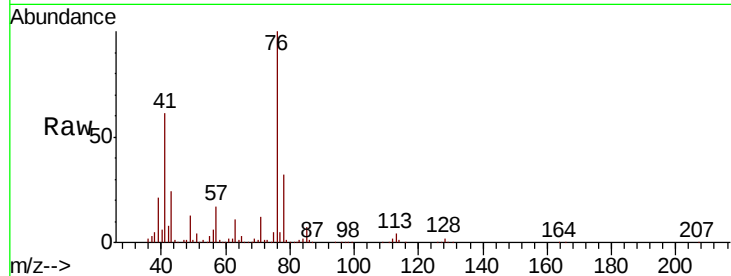




#57
 1,3-Dichloropropane
 Concen: 54.55 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

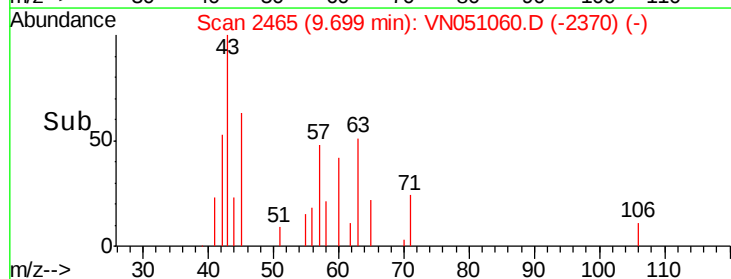
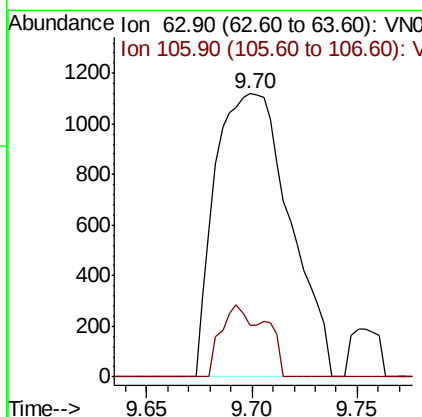
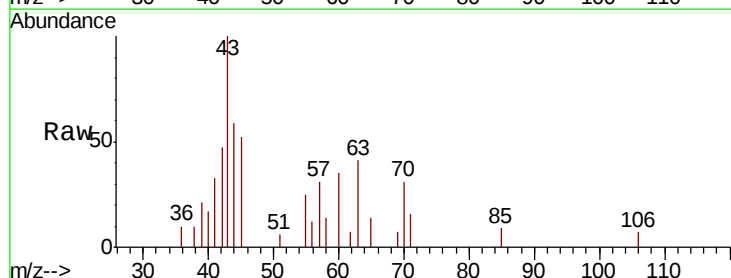
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

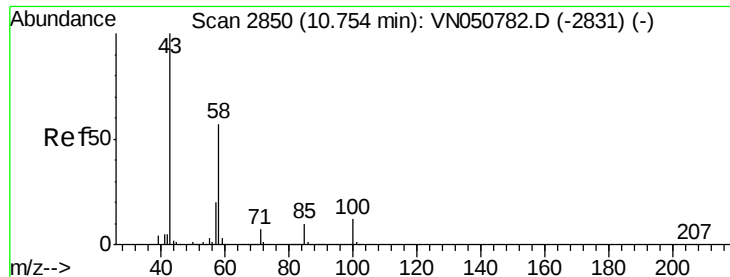
Tot Ion: 76 Resp: 655575
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.85 ug/l
 RT: 9.70 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 63 Resp: 2748
 Ion Ratio Lower Upper
 63 100
 106 10.8 21.9 32.9#

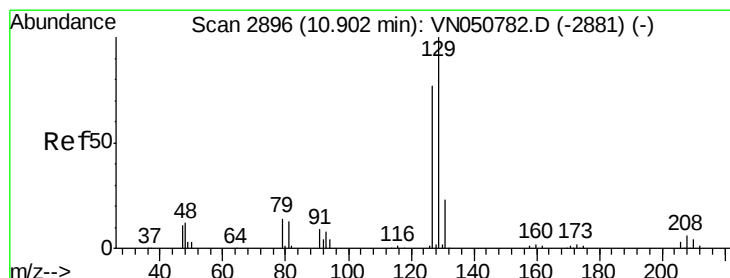
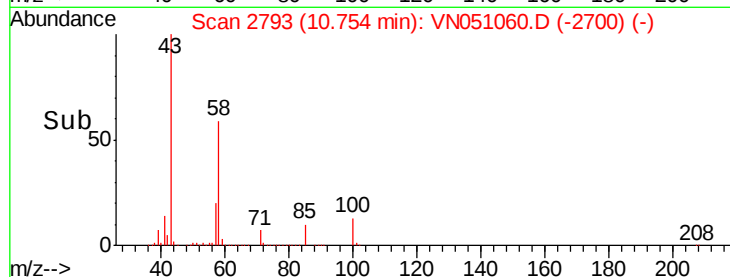
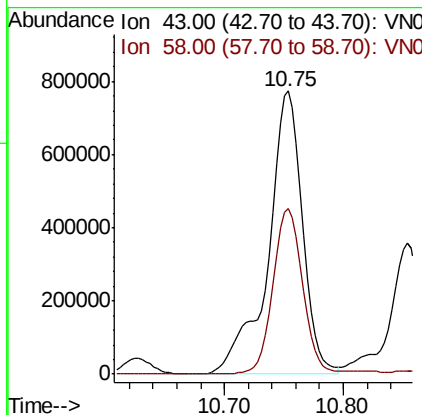
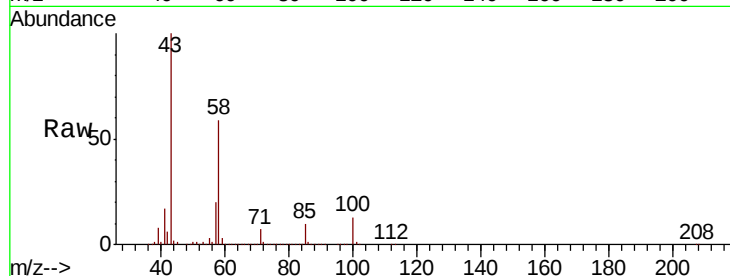




#59
2-Hexanone
Concen: 357.53 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

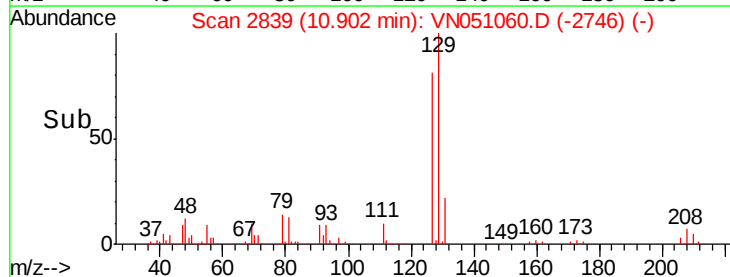
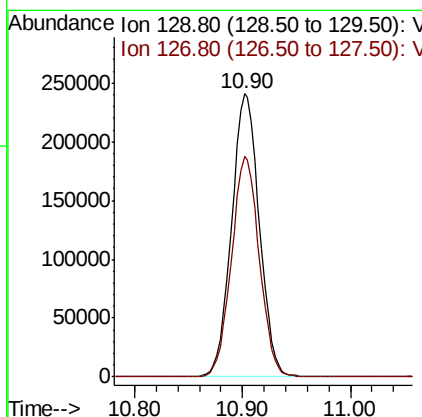
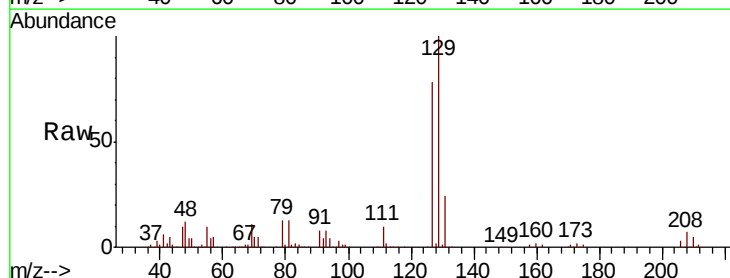
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

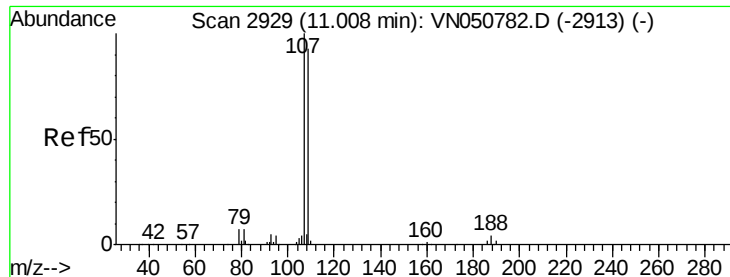
Tot Ion: 43 Resp: 1540613
Ion Ratio Lower Upper
43 100
58 50.9 28.3 85.0



#60
Dibromochloromethane
Concen: 53.01 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 129 Resp: 432195
Ion Ratio Lower Upper
129 100
127 77.9 38.3 114.9

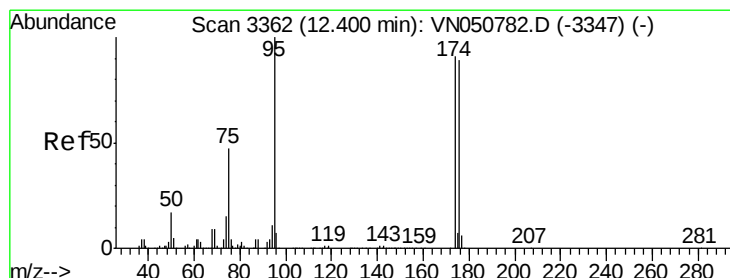
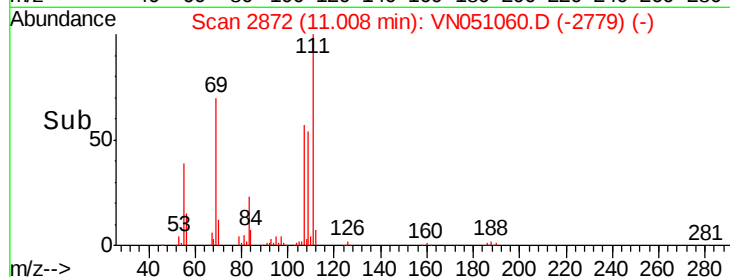
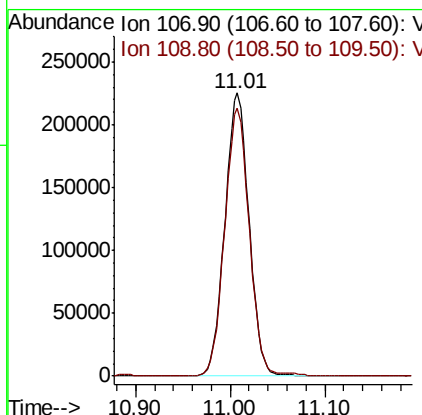
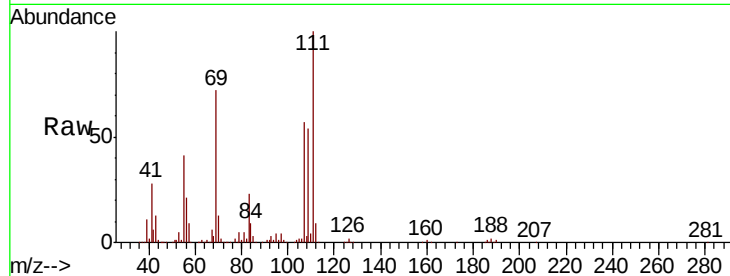




#61
 1,2-Dibromoethane
 Concen: 56.84 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

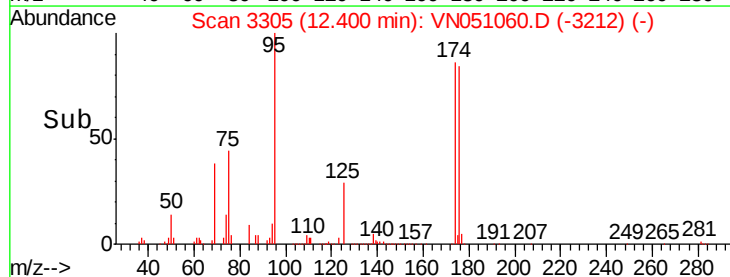
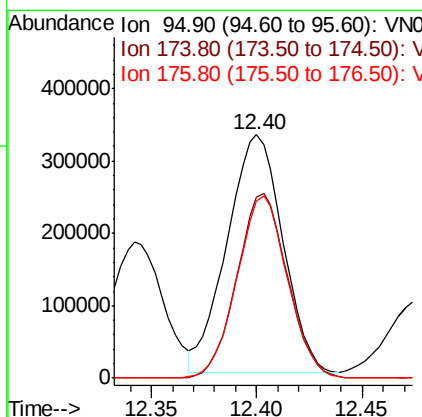
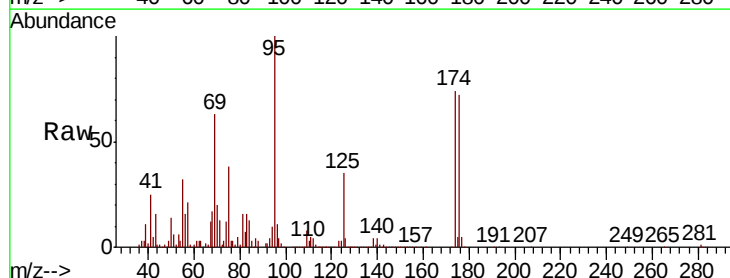
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

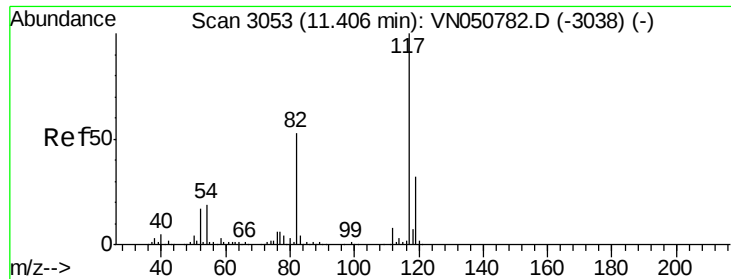
Tot Ion:107 Resp: 400183
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 65.14 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 95 Resp: 599235
 Ion Ratio Lower Upper
 95 100
 174 71.0 0.0 183.0
 176 69.7 0.0 178.8

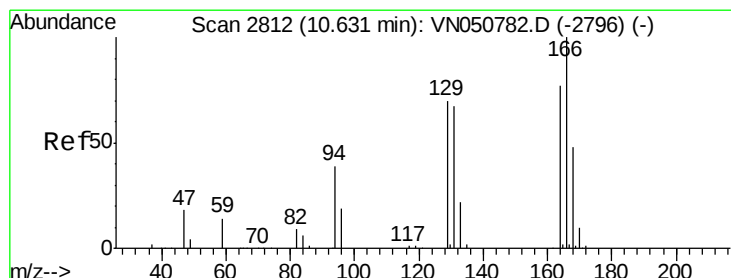
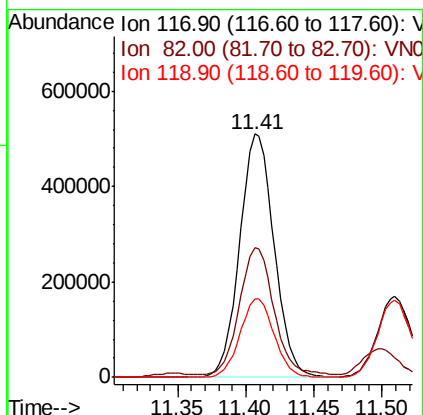
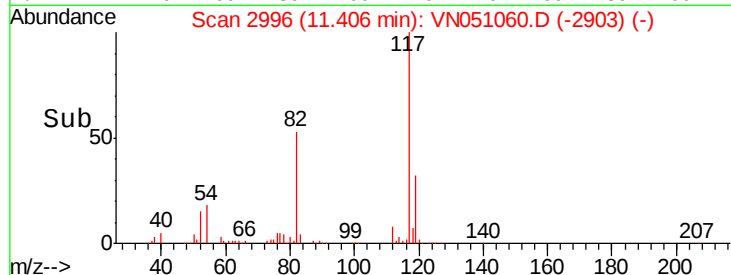
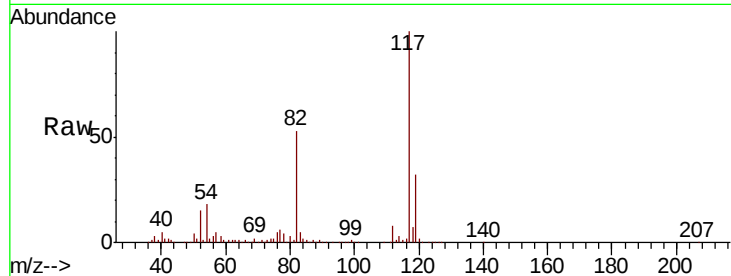




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

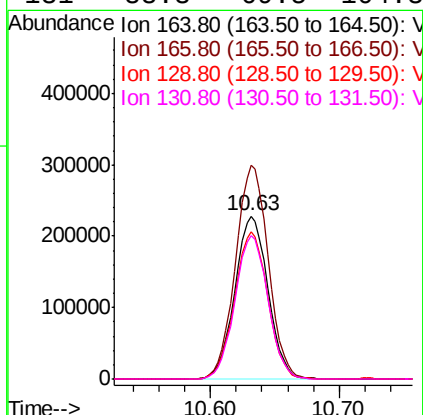
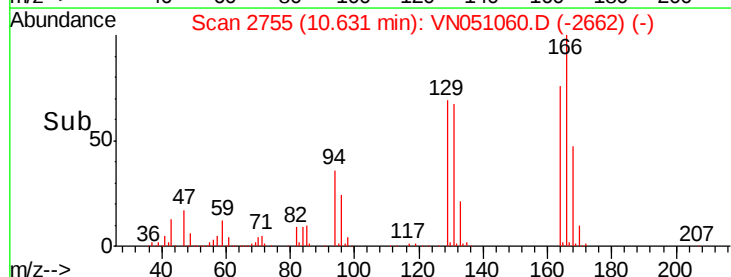
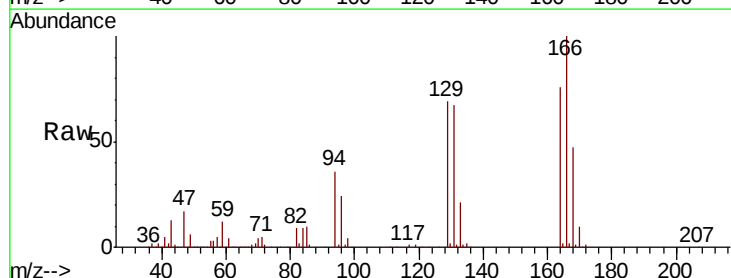
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

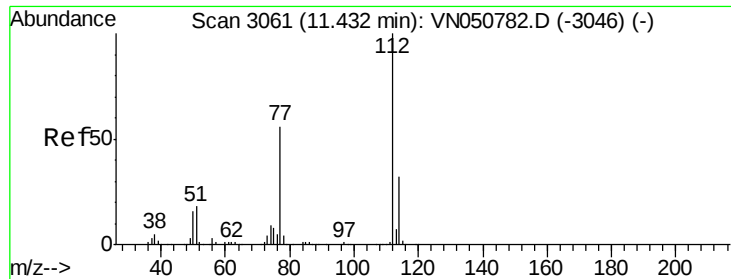
Tot Ion:117 Resp: 894409
Ion Ratio Lower Upper
117 100
82 51.8 42.6 64.0
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 47.89 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion:164 Resp: 406861
Ion Ratio Lower Upper
164 100
166 131.2 103.5 155.3
129 90.3 72.7 109.1
131 88.3 69.5 104.3

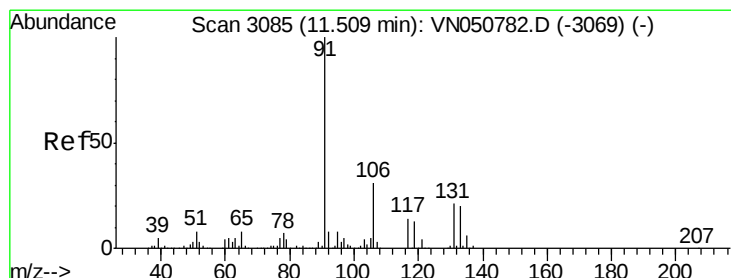
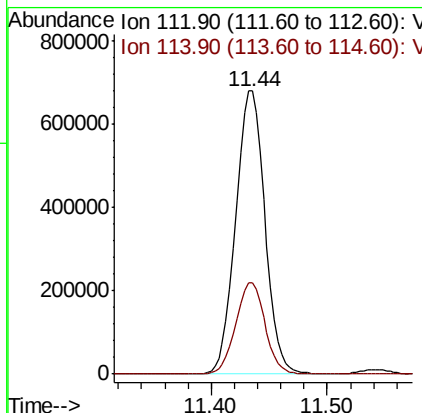
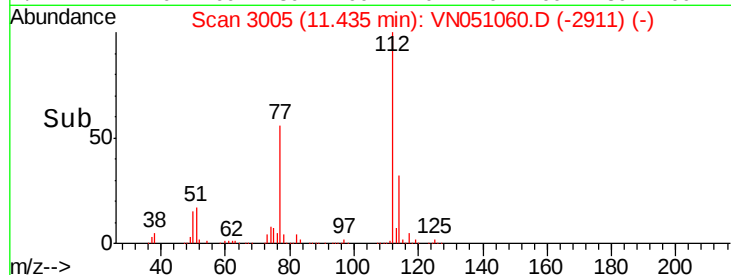
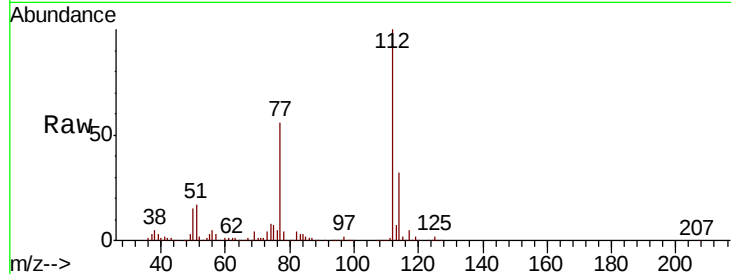




#65
Chlorobenzene
Concen: 50.75 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

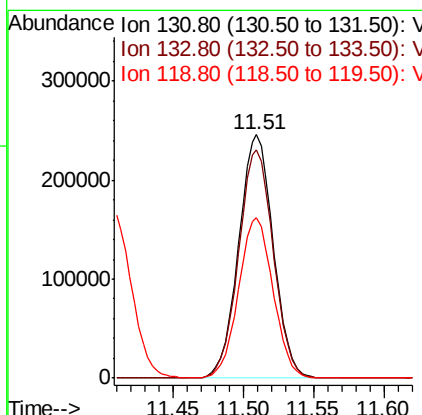
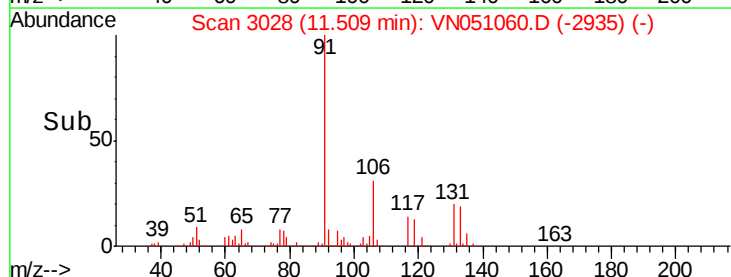
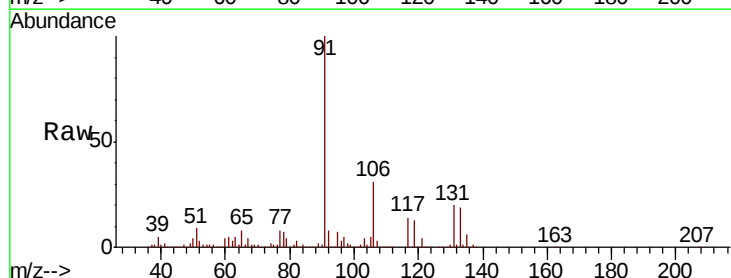
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

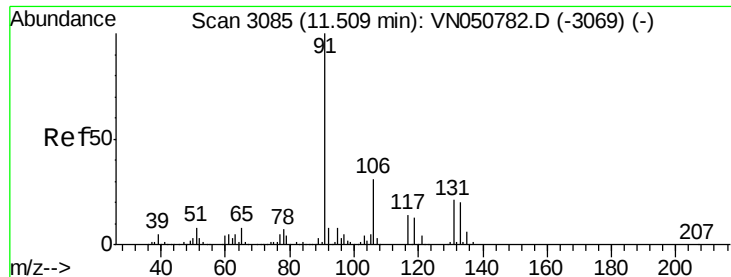
Tot Ion:112 Resp: 1186455
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.37 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion:131 Resp: 422308
Ion Ratio Lower Upper
131 100
133 94.3 47.4 142.3
119 65.8 32.8 98.4





#67

Ethyl Benzene

Concen: 53.45 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

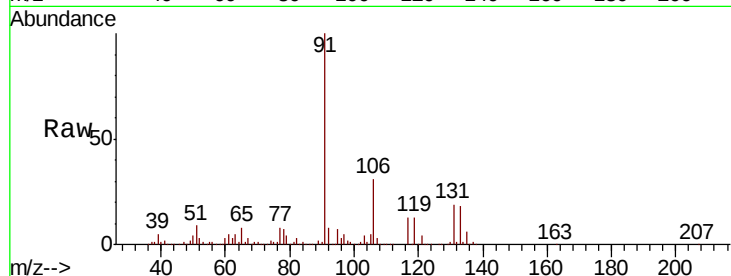
EP1-MW-C(15-20)MSD

Tot Ion: 91 Resp: 2031363

Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3069) (-)

Ion 106.00 (105.70 to 106.70): VN050782.D (-3069) (-)

1500000

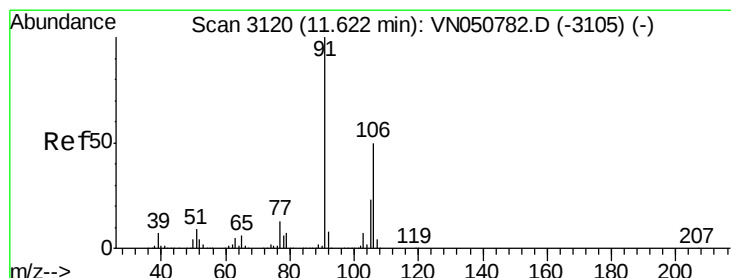
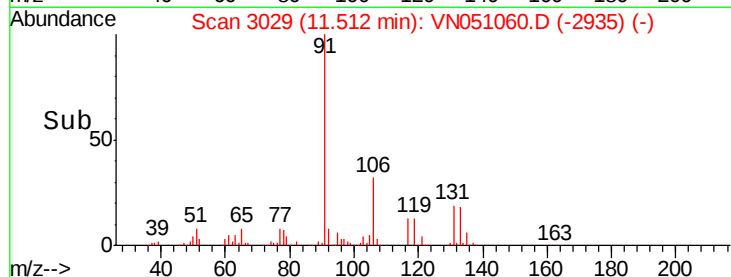
1000000

500000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 108.47 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051060.D

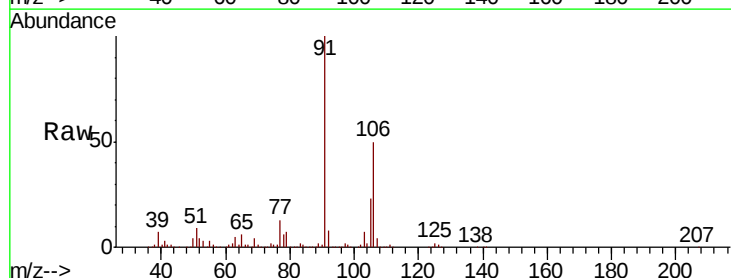
Acq: 7 Sep 2018 17:54

Tgt Ion: 106 Resp: 1564857

Ion Ratio Lower Upper

106 100

91 199.9 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): VN050782.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN050782.D (-3105) (-)

1500000

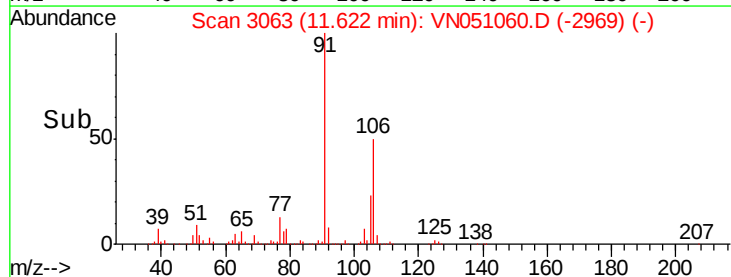
1000000

500000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->

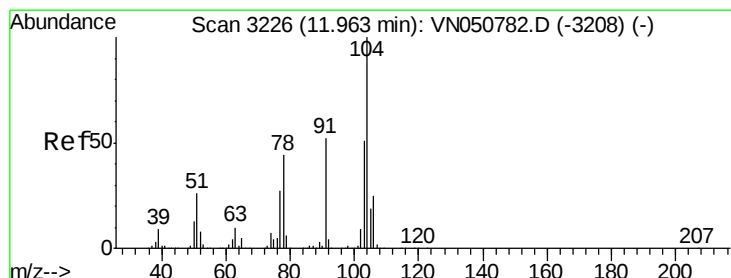
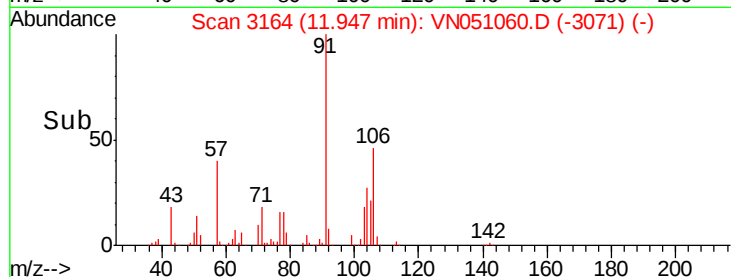
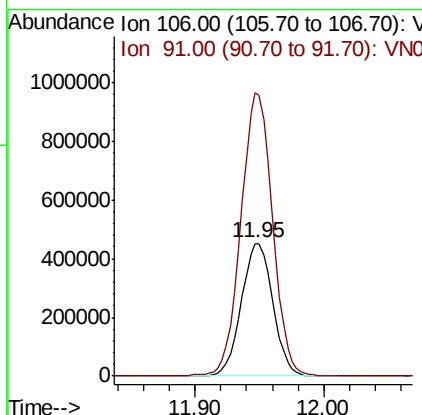
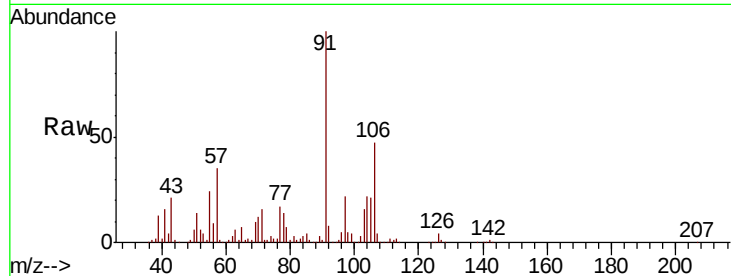




#69
o-Xylene
Concen: 55.24 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

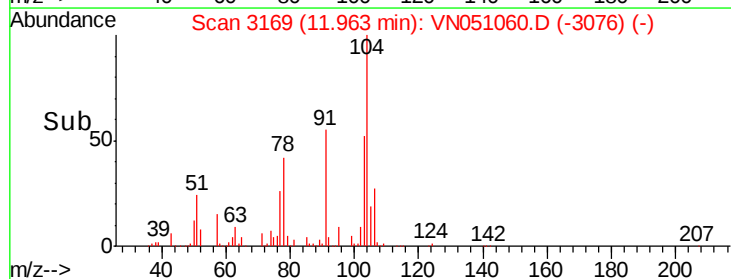
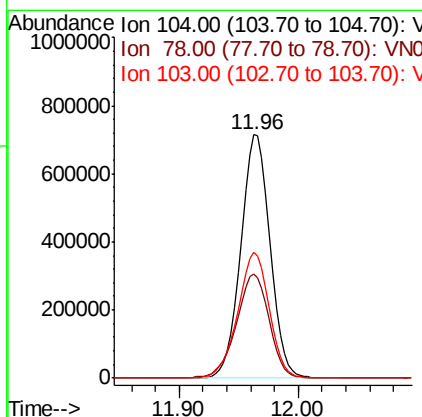
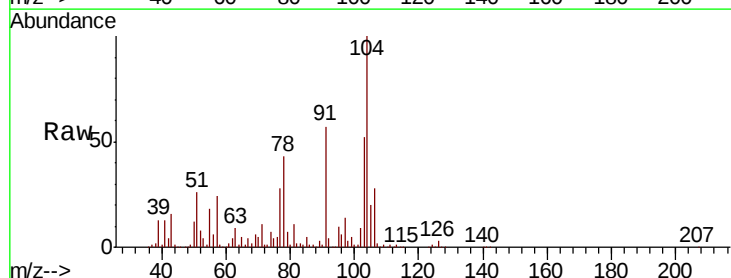
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

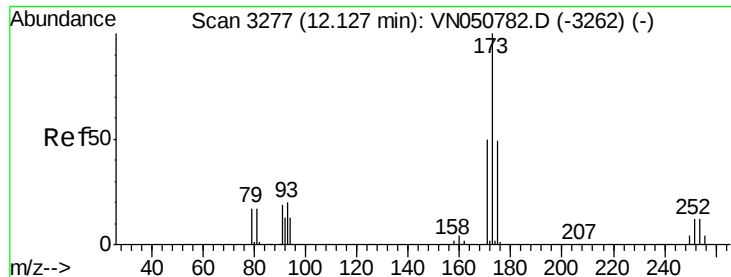
Tot Ion:106 Resp: 766077
Ion Ratio Lower Upper
106 100
91 215.2 106.5 319.5



#70
Styrene
Concen: 49.72 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion:104 Resp: 1215174
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.4
103 55.7 44.4 66.6

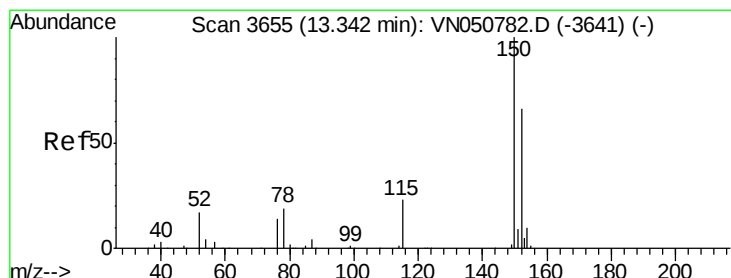
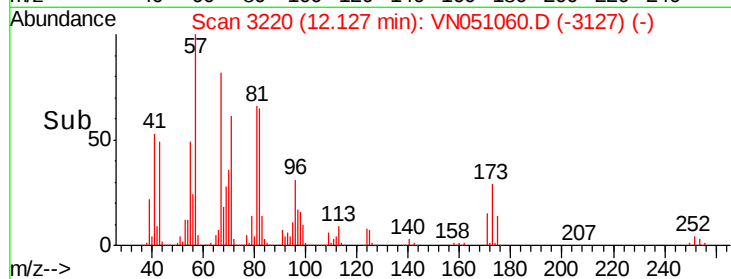
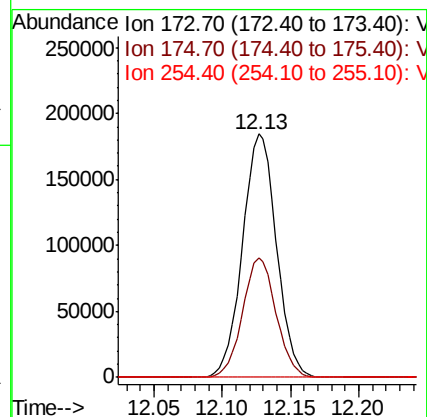
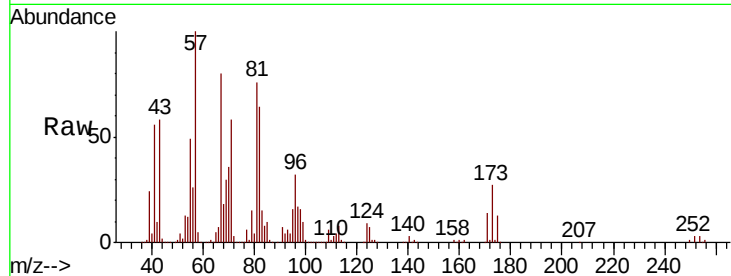




#71
Bromoform
Concen: 54.21 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

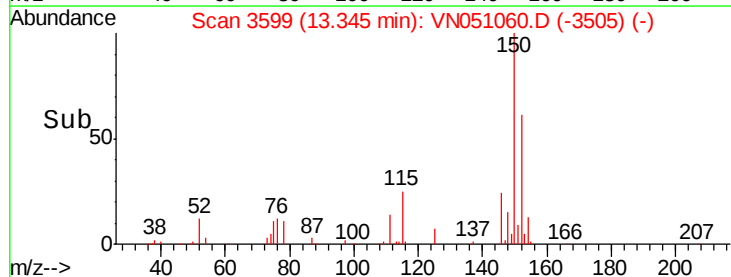
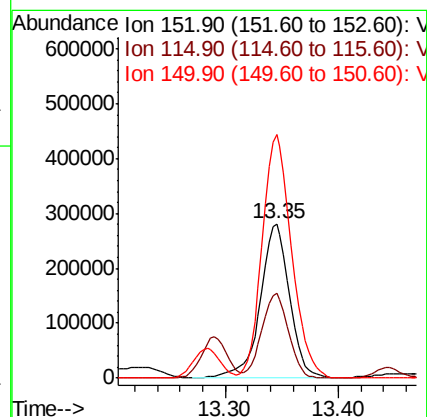
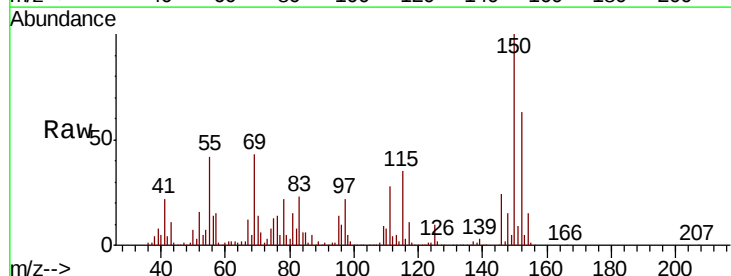
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

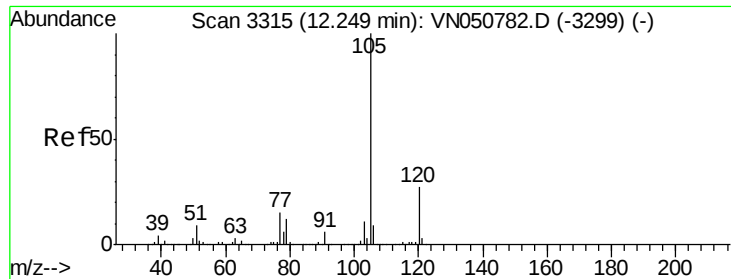
Tot Ion:173 Resp: 318868
Ion Ratio Lower Upper
173 100
175 48.4 24.4 73.4
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion:152 Resp: 498965
Ion Ratio Lower Upper
152 100
115 50.8 27.8 83.4
150 160.0 0.0 351.4





#73

Isopropylbenzene

Concen: 72.15 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

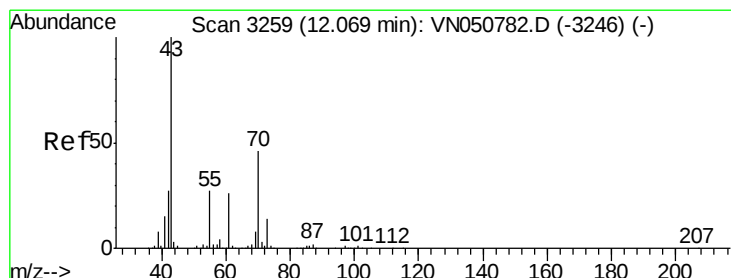
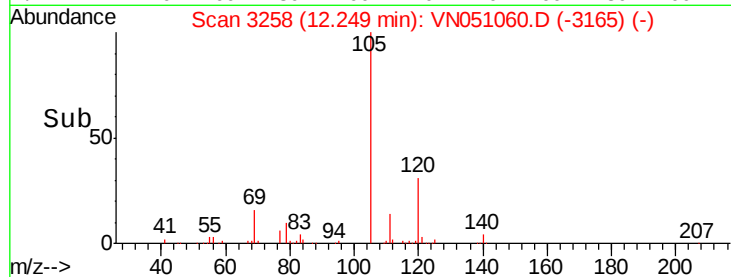
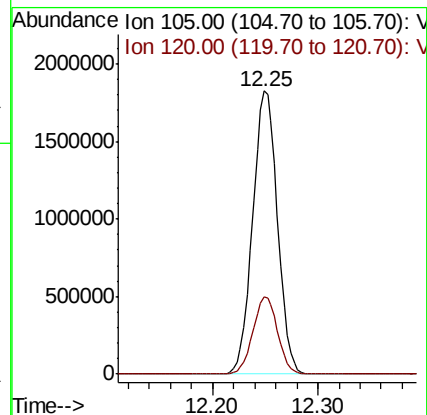
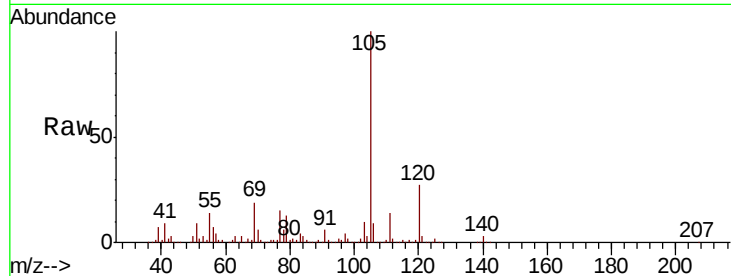
EP1-MW-C(15-20)MSD

Tot Ion:105 Resp: 2980755

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4



#74

N-ethyl acetate

Concen: 188.01 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Tgt Ion: 43 Resp: 1951775

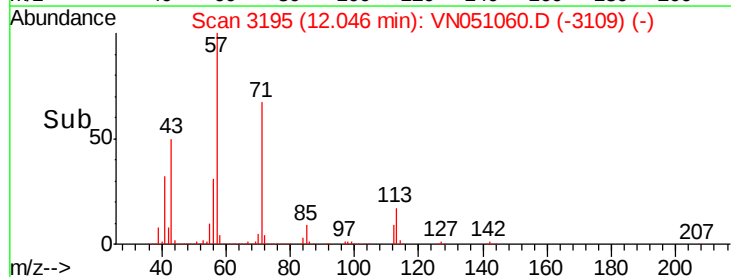
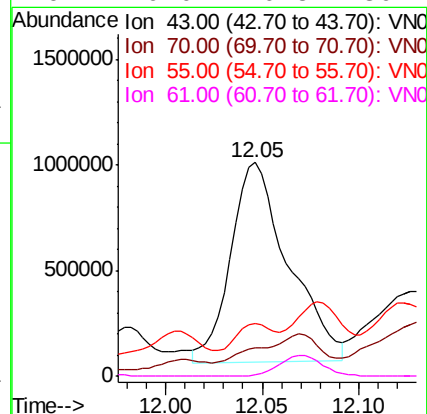
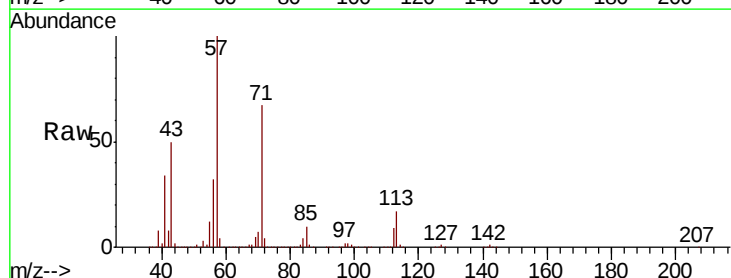
Ion Ratio Lower Upper

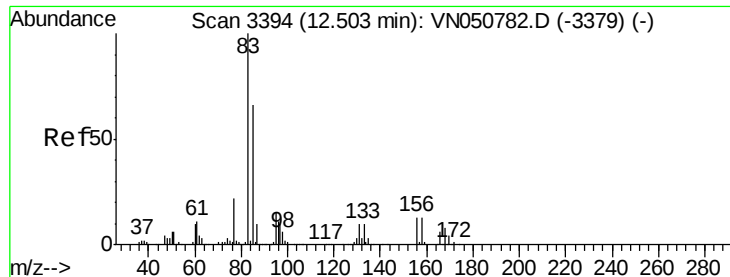
43 100

70 0.0 36.2 54.2#

55 16.9 21.8 32.8#

61 0.0 20.5 30.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 74.72 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

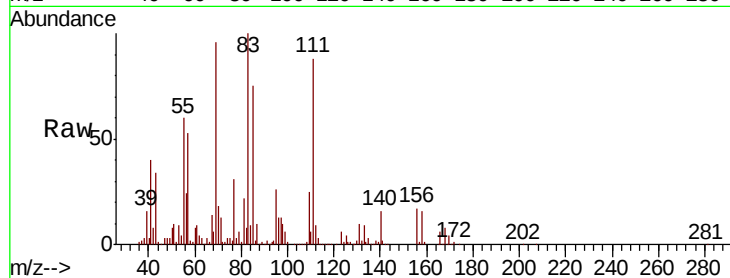
Tot Ion: 83 Resp: 728018

Ion Ratio Lower Upper

83 100

131 7.5 5.3 15.9

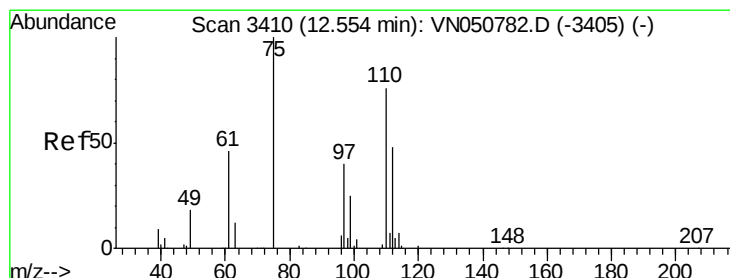
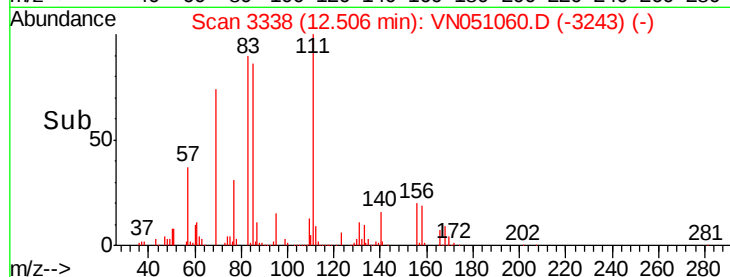
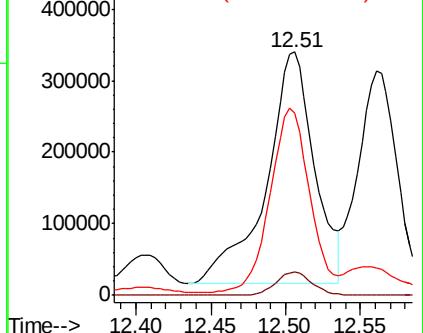
85 65.3 31.9 95.7



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: 72.09 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051060.D

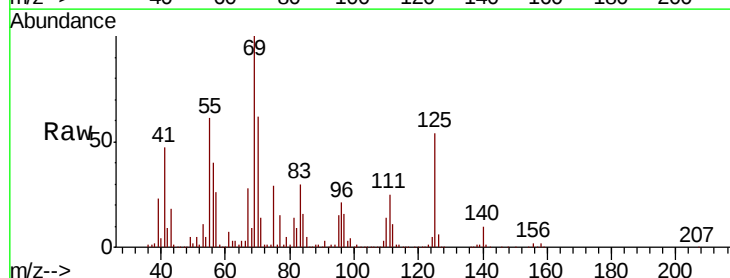
Acq: 7 Sep 2018 17:54

Tgt Ion: 75 Resp: 629991

Ion Ratio Lower Upper

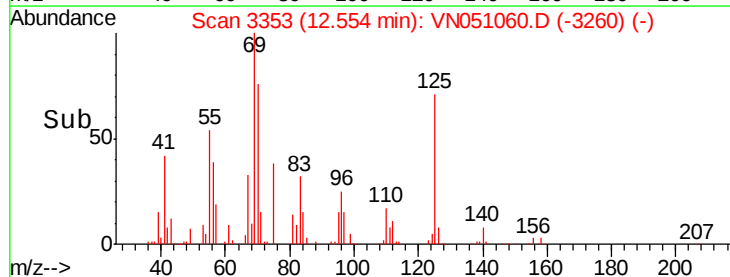
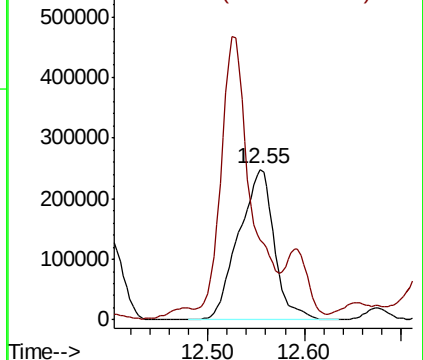
75 100

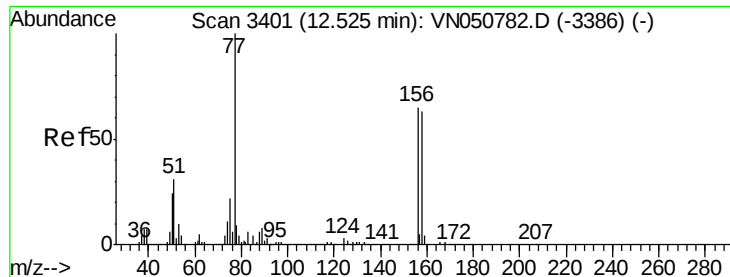
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 45.89 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

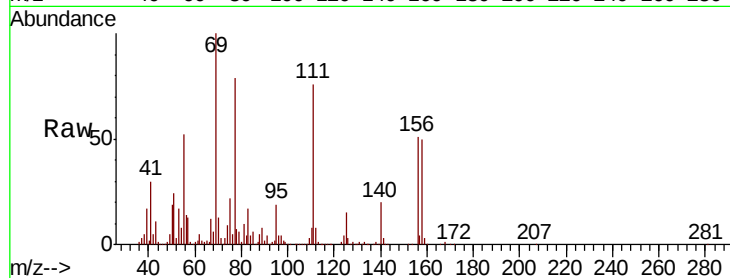
Tot Ion:156 Resp: 515311

Ion Ratio Lower Upper

156 100

77 182.7 89.9 269.7

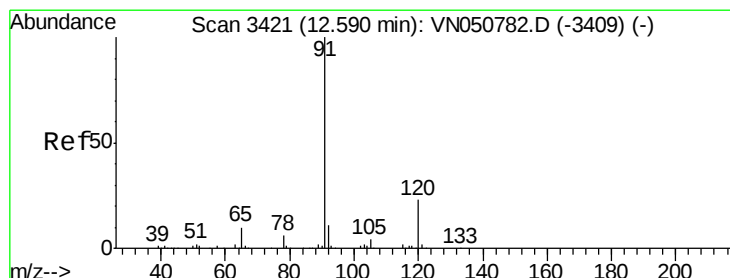
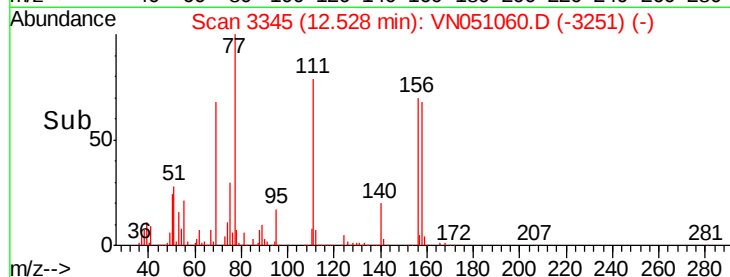
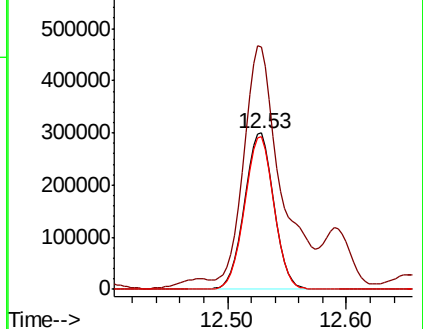
158 96.9 49.3 147.9



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: 105.35 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051060.D

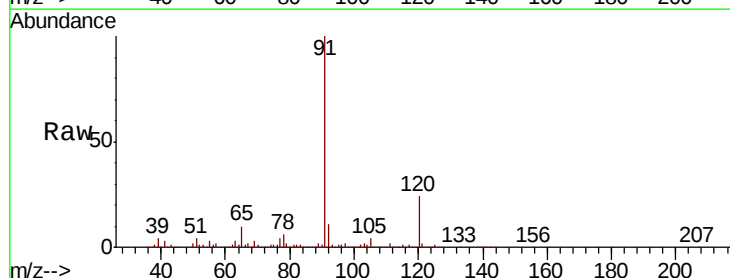
Acq: 7 Sep 2018 17:54

Tgt Ion: 91 Resp: 4862392

Ion Ratio Lower Upper

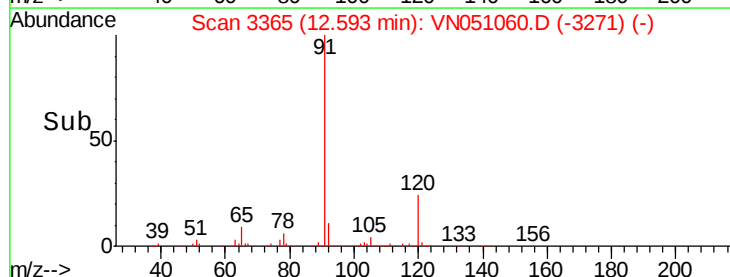
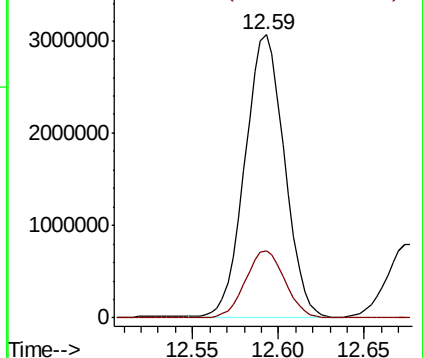
91 100

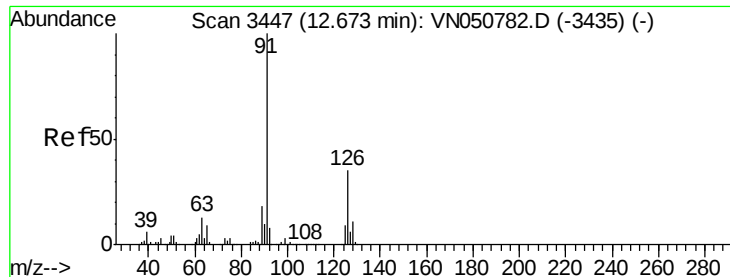
120 23.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

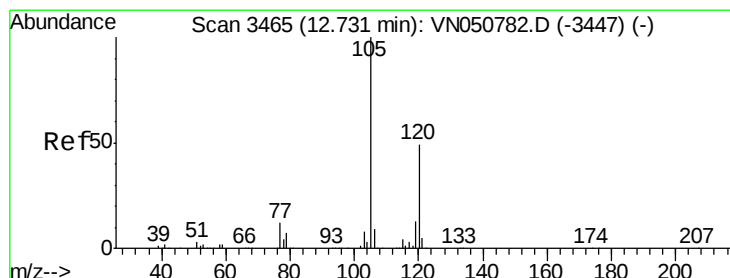
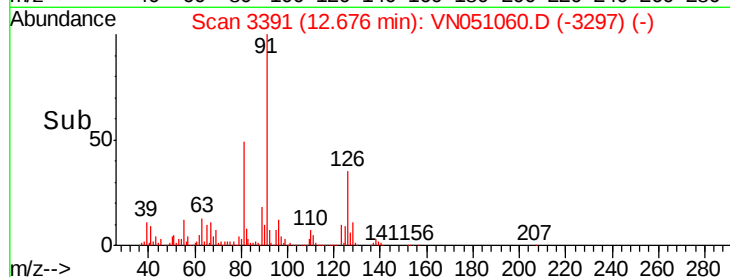
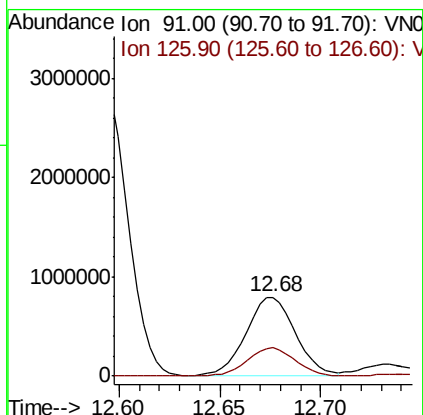
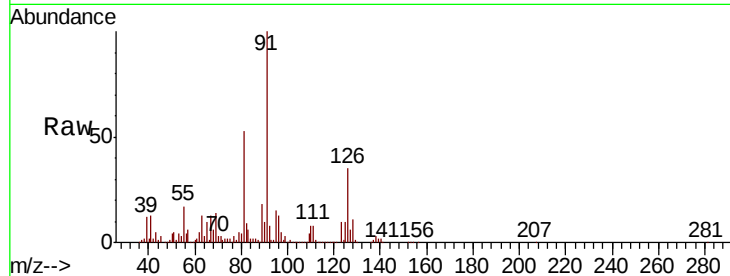




#79
 2-Chlorotoluene
 Concen: 46.72 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

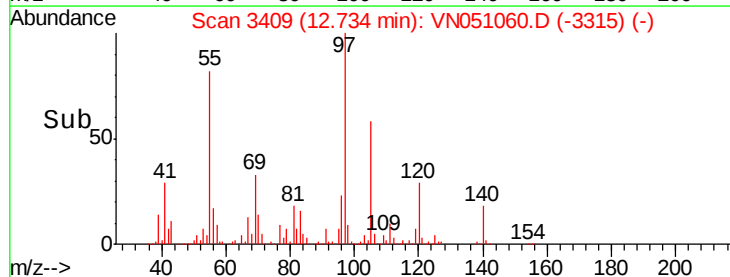
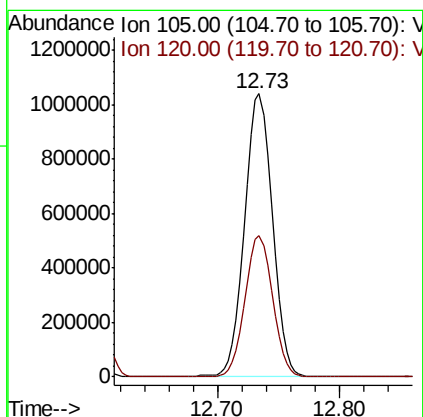
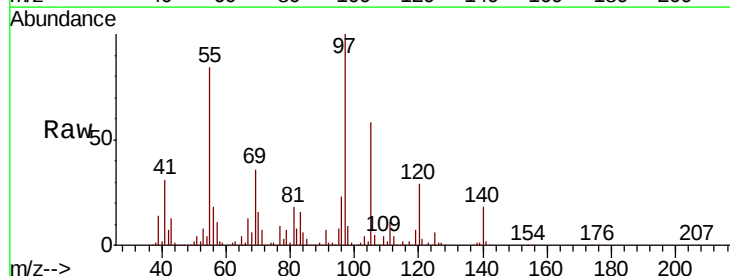
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

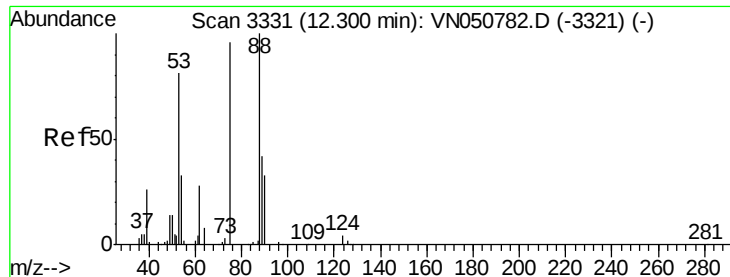
Tot Ion: 91 Resp: 1343052
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 48.76 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 105 Resp: 1625379
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.03 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

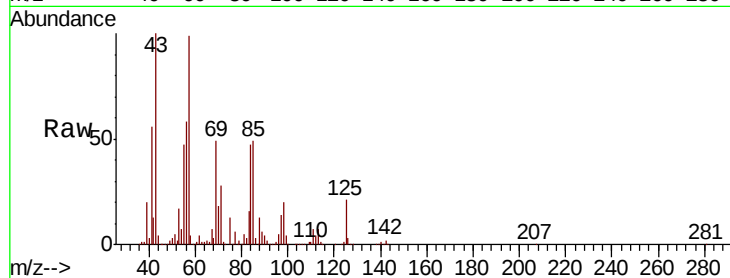
Tot Ion: 75 Resp: 134498

Ion Ratio Lower Upper

75 100

53 104.7 68.9 103.3#

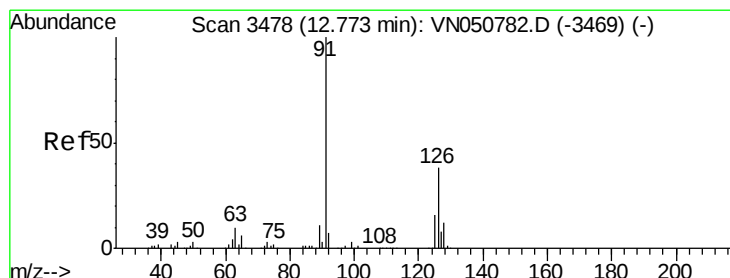
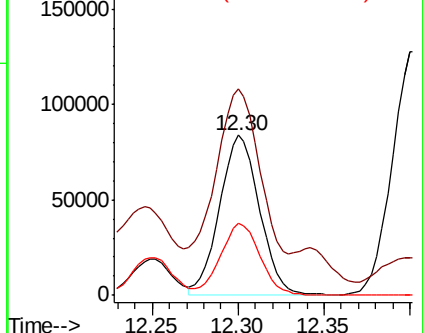
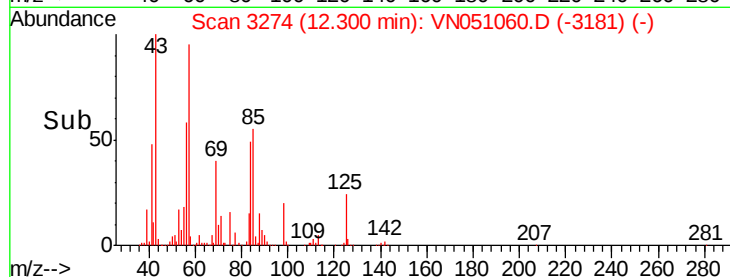
89 44.6 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 46.60 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051060.D

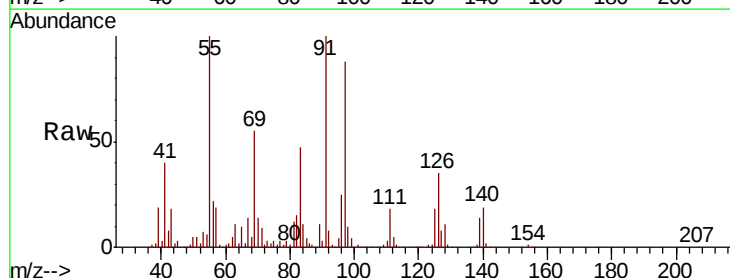
Acq: 7 Sep 2018 17:54

Tgt Ion: 91 Resp: 1322467

Ion Ratio Lower Upper

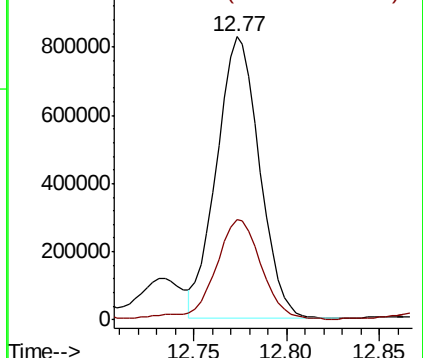
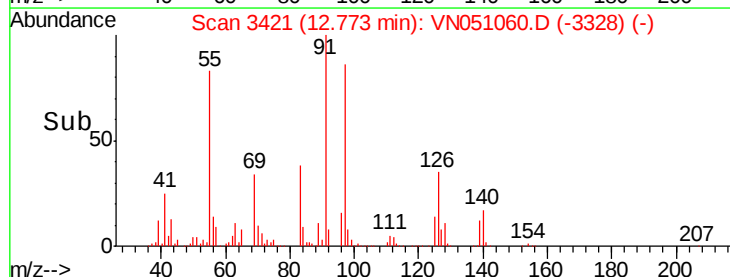
91 100

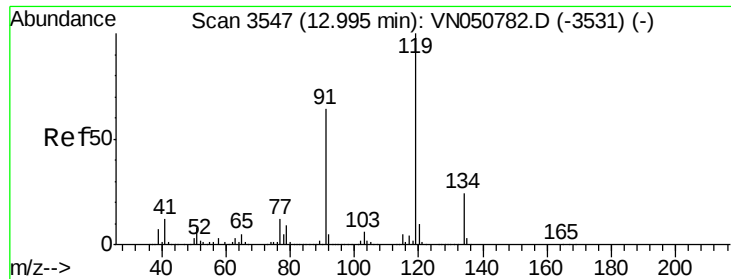
126 38.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

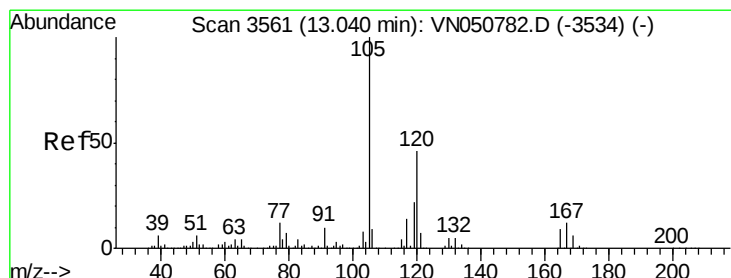
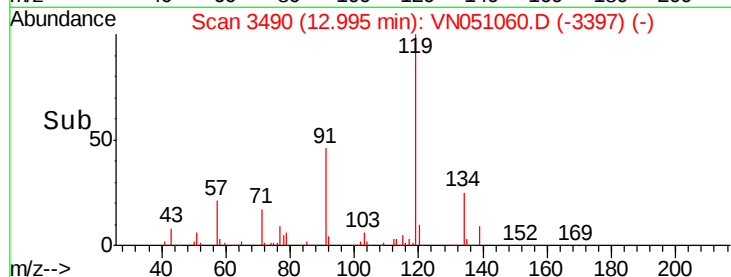
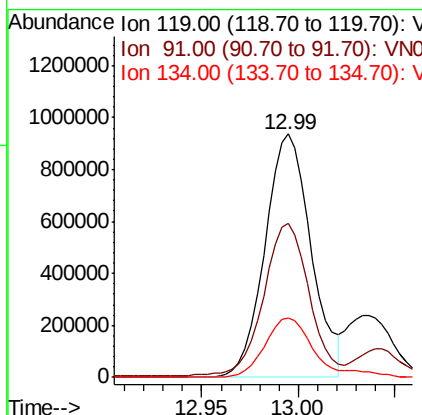
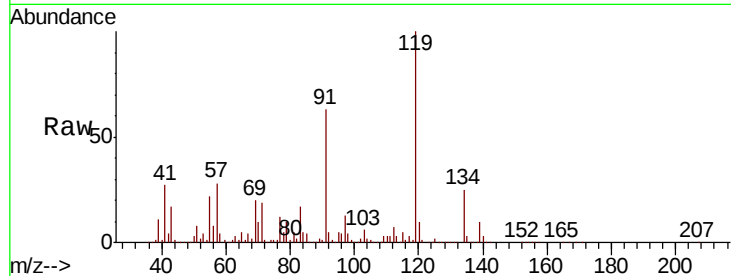




#83
 tert-Butylbenzene
 Concen: 53.67 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

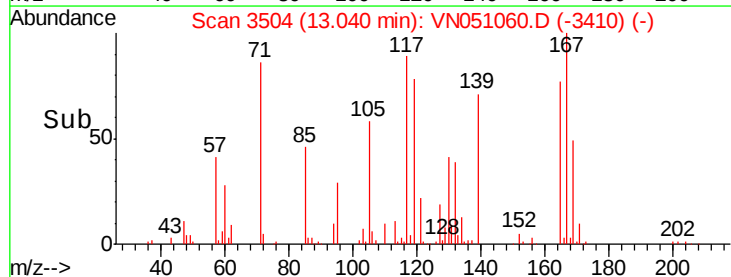
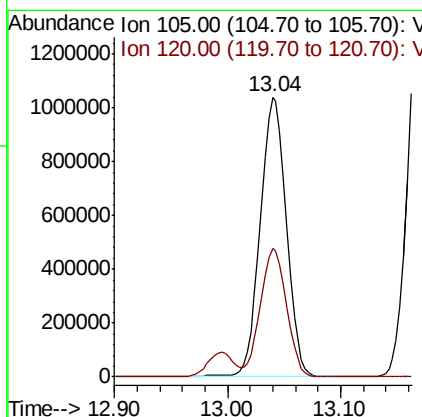
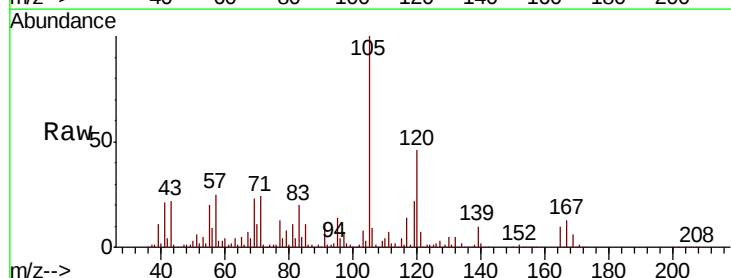
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

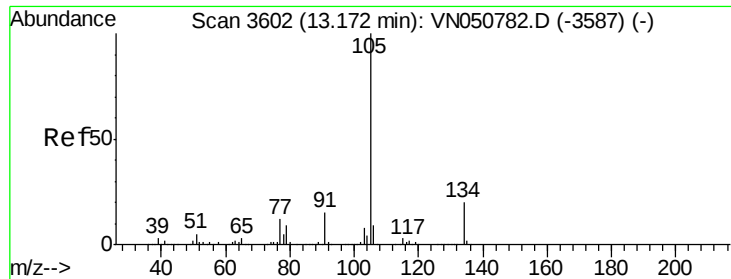
Tot Ion:119 Resp: 1549406
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.6 94.7
 134 26.3 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 49.58 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion:105 Resp: 1662653
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 77.21 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

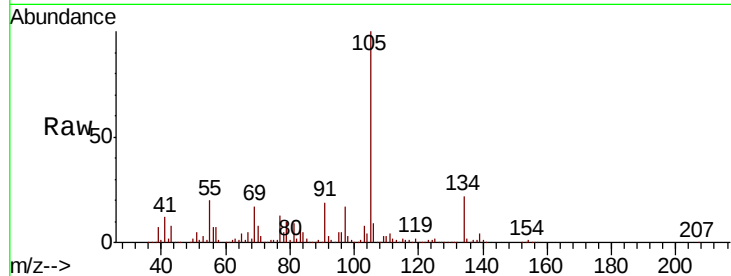
EP1-MW-C(15-20)MSD

Tot Ion:105 Resp: 2920893

Ion Ratio Lower Upper

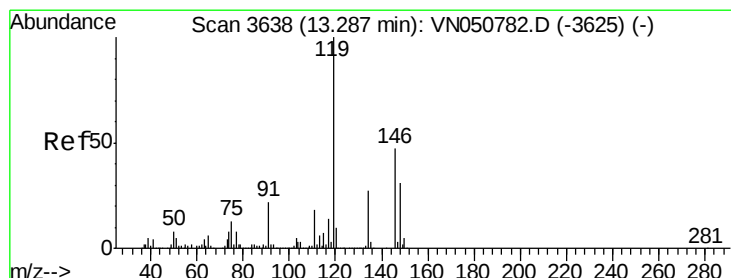
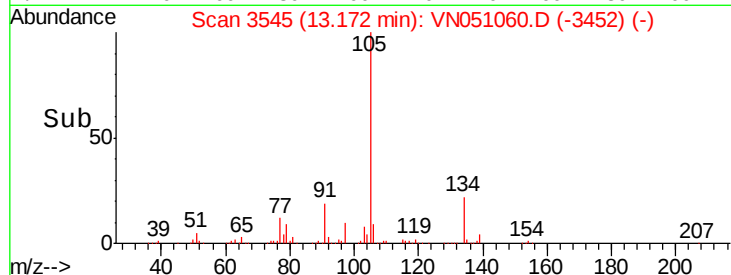
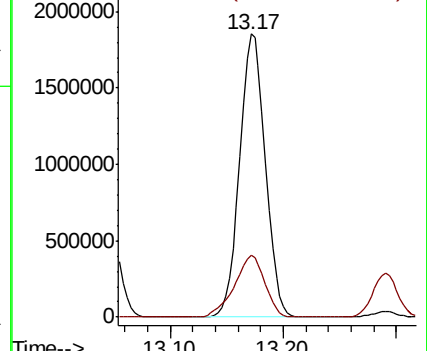
105 100

134 25.9 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.79 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

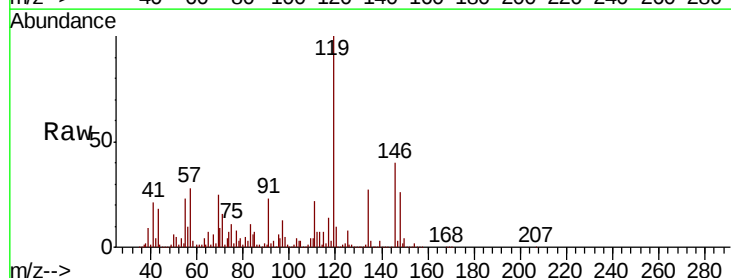
Tgt Ion:119 Resp: 1637214

Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.0

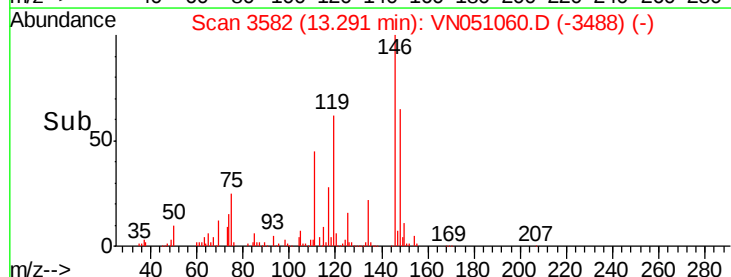
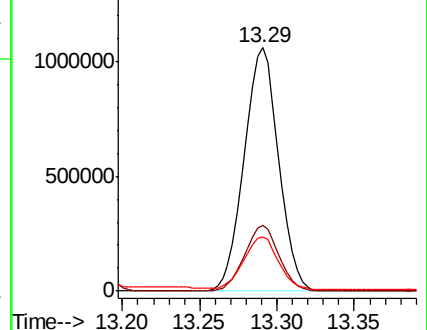
91 22.3 11.2 33.5



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: 45.29 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

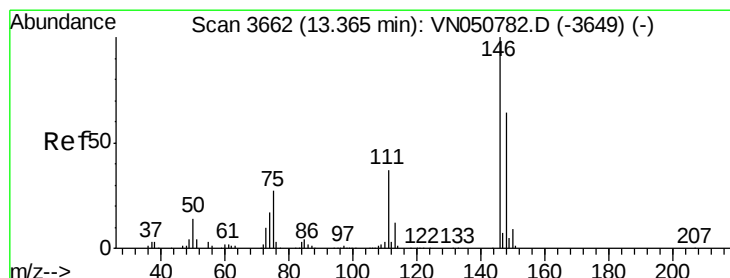
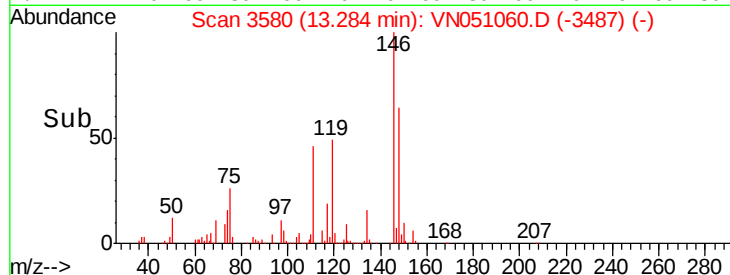
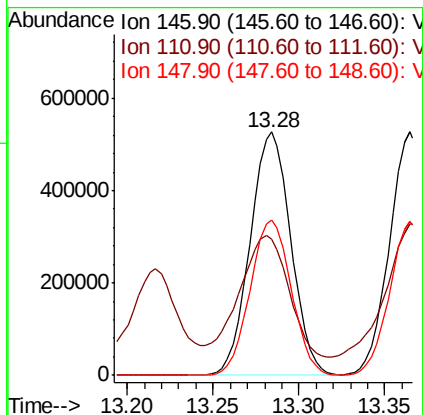
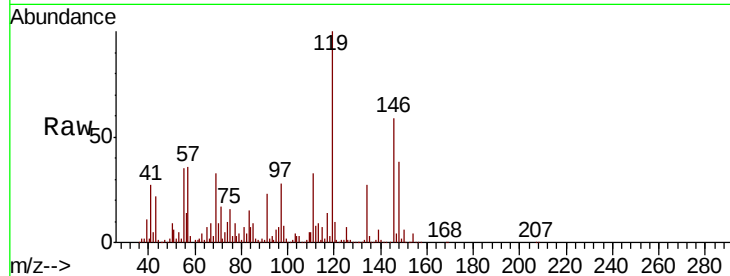
Tot Ion:146 Resp: 862955

Ion Ratio Lower Upper

146 100

111 59.3 19.1 57.3#

148 64.5 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 45.69 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

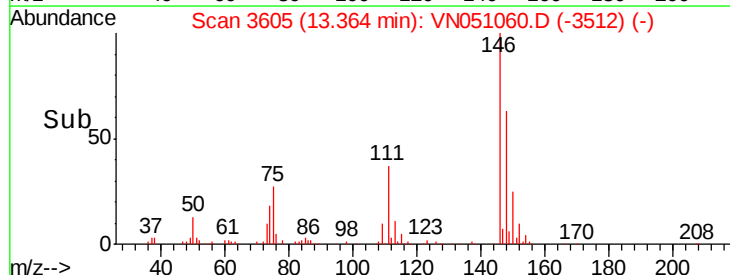
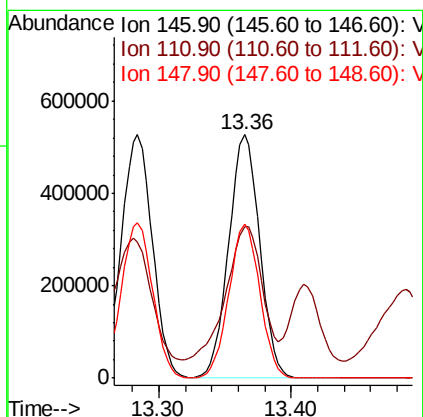
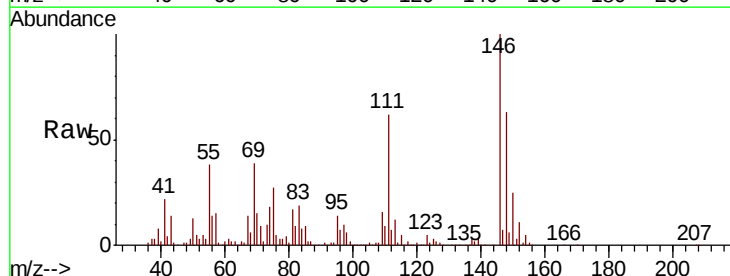
Tgt Ion:146 Resp: 856823

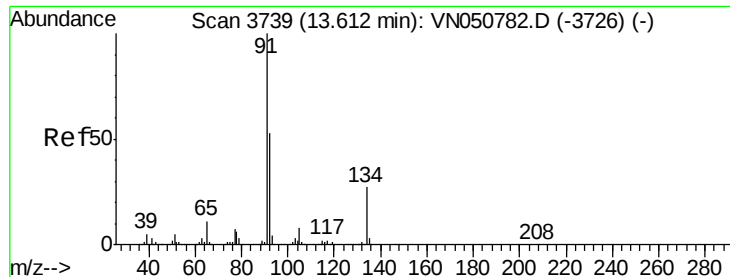
Ion Ratio Lower Upper

146 100

111 62.5 18.8 56.3#

148 63.4 32.2 96.6





#89

n-Butylbenzene

Concen: 77.26 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

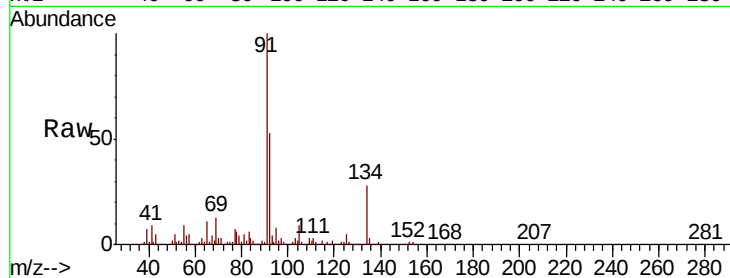
Tot Ion: 91 Resp: 1991872

Ion Ratio Lower Upper

91 100

92 52.1 26.1 78.2

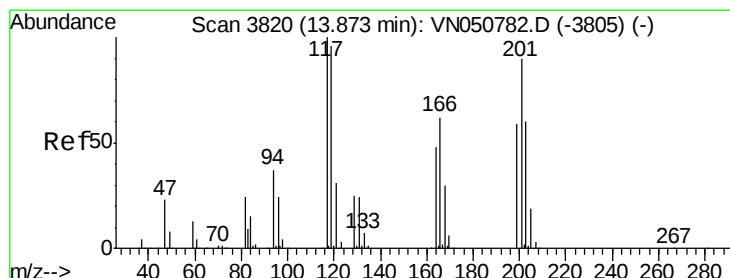
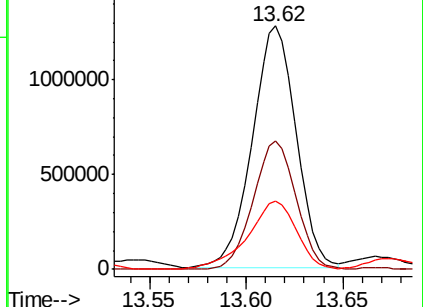
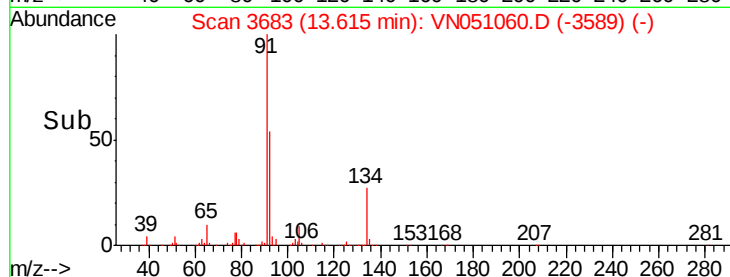
134 31.8 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN051060.D (-3683) (-)

Ion 92.00 (91.70 to 92.70): VN051060.D (-3683) (-)

Ion 134.00 (133.70 to 134.70): VN051060.D (-3683) (-)



#90

Hexachloroethane

Concen: 70.59 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.01 min

Lab File: VN051060.D

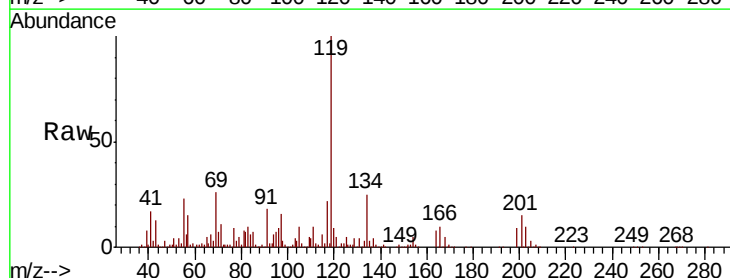
Acq: 7 Sep 2018 17:54

Tgt Ion: 117 Resp: 434160

Ion Ratio Lower Upper

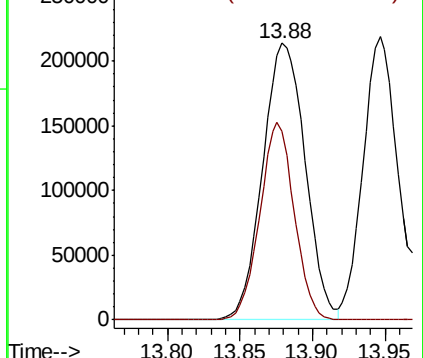
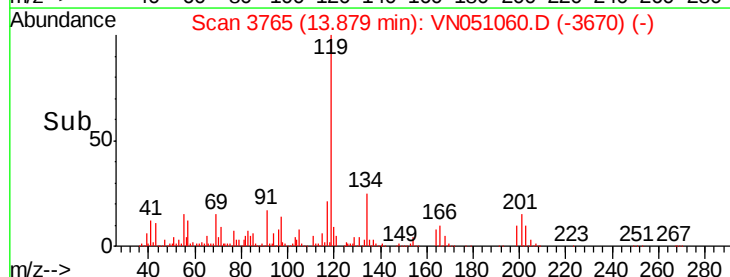
117 100

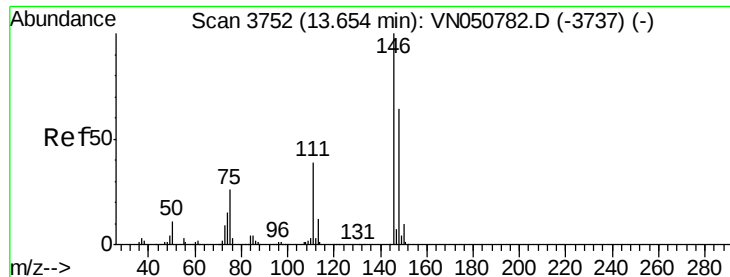
201 58.1 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN051060.D (-3765) (-)

Ion 200.70 (200.40 to 201.40): VN051060.D (-3765) (-)





#91

1,2-Dichlorobenzene

Concen: 46.10 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

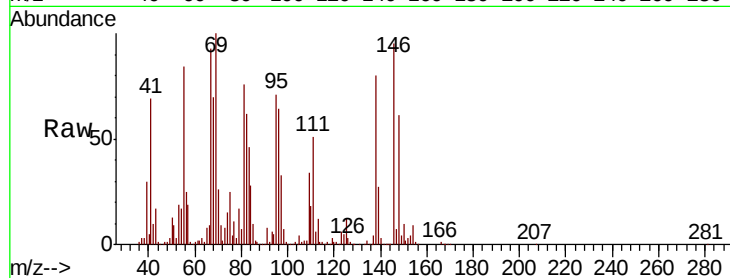
Tot Ion:146 Resp: 847439

Ion Ratio Lower Upper

146 100

111 74.2 19.8 59.3#

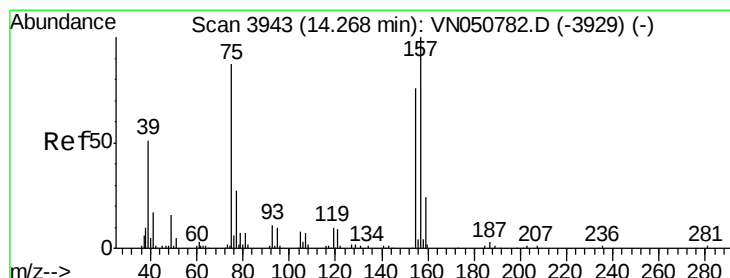
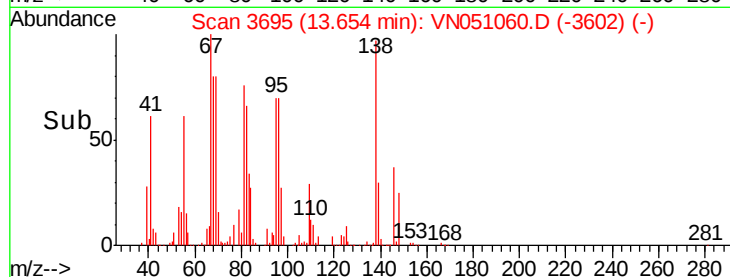
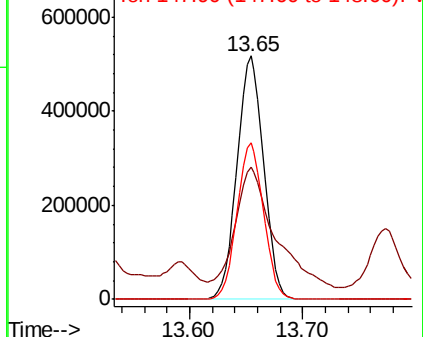
148 64.2 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.57 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

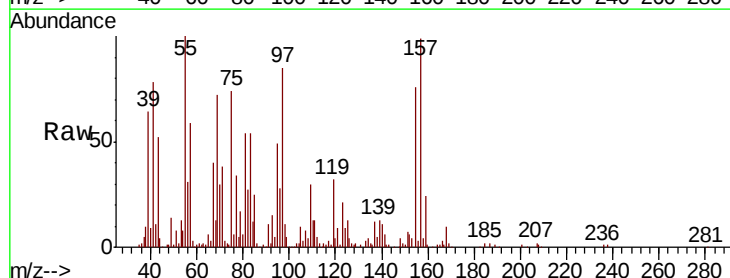
Tgt Ion: 75 Resp: 77999

Ion Ratio Lower Upper

75 100

155 102.9 46.4 139.1

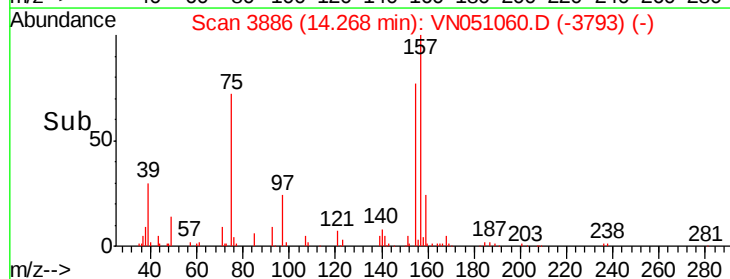
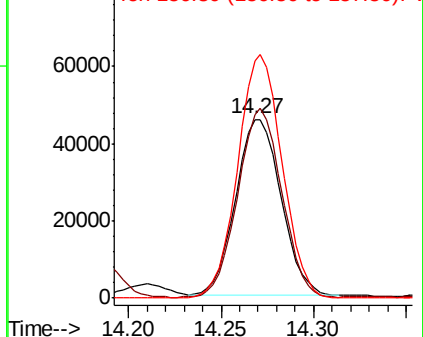
157 134.4 60.7 182.0

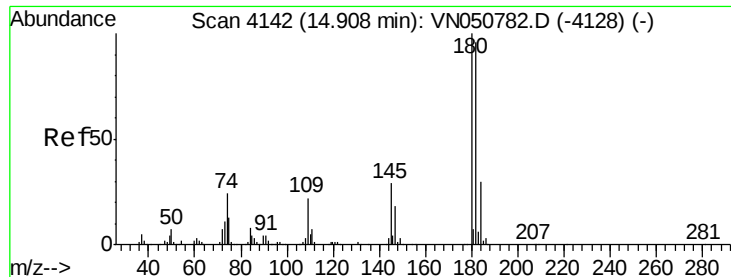


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

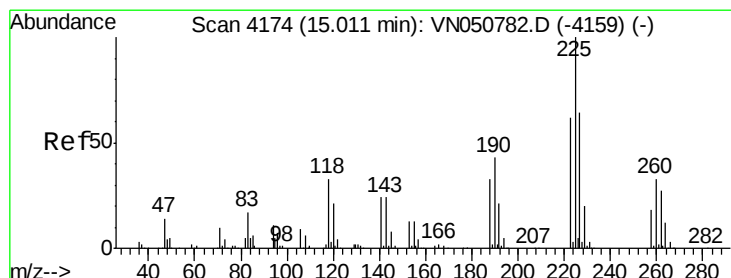
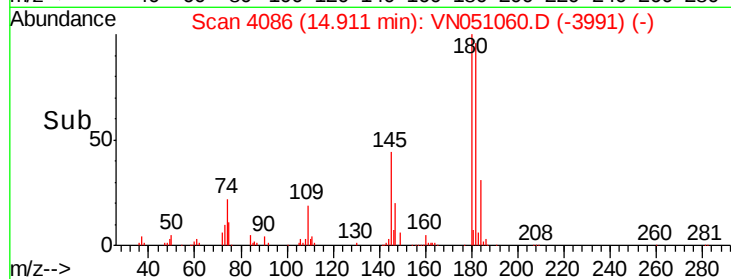
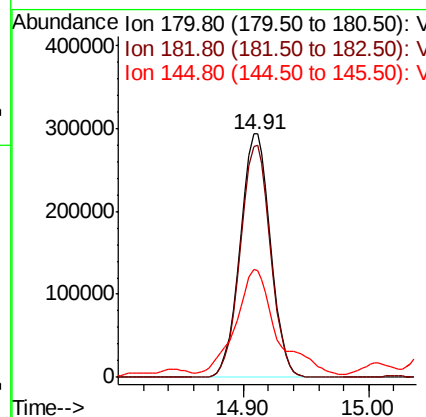
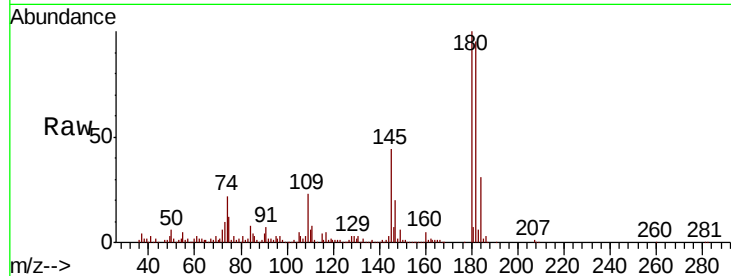




#93
 1,2,4-Trichlorobenzene
 Concen: 51.14 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

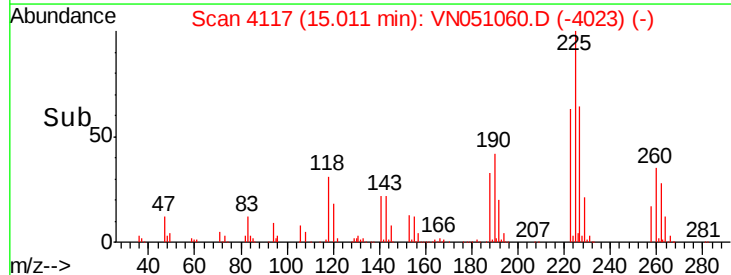
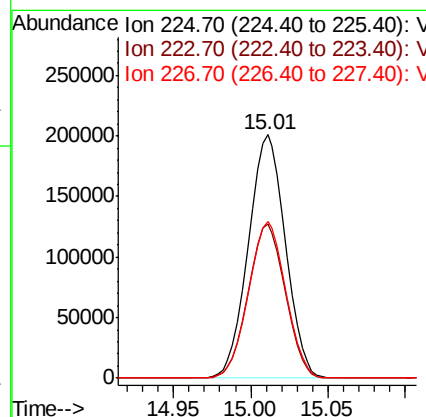
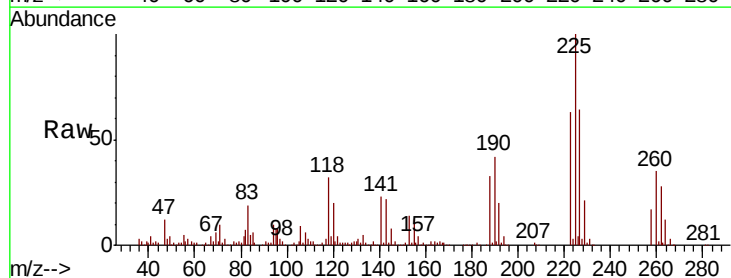
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

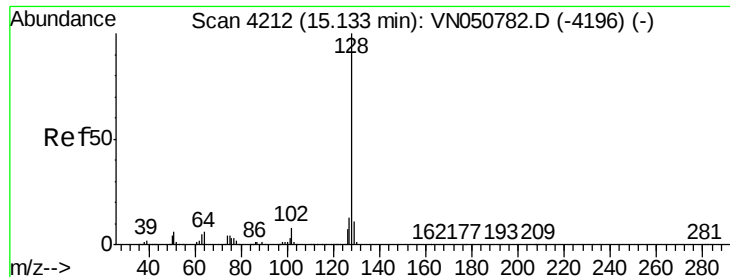
Tot Ion:180 Resp: 490042
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.2 144.6
 145 61.8 14.1 42.2#



#94
 Hexachlorobutadiene
 Concen: 61.95 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion:225 Resp: 336139
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.3 93.8
 227 64.3 32.0 96.2





#95

Naphthalene

Concen: 55.98 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

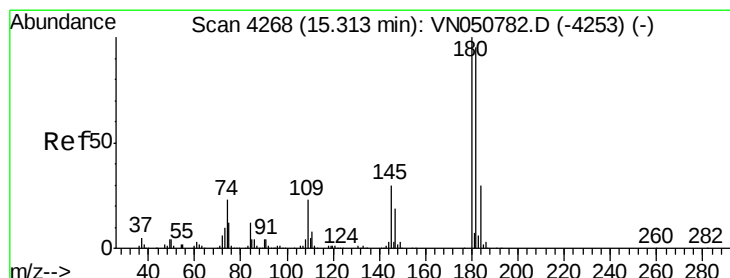
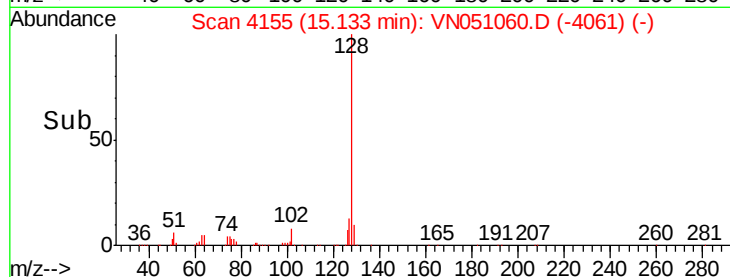
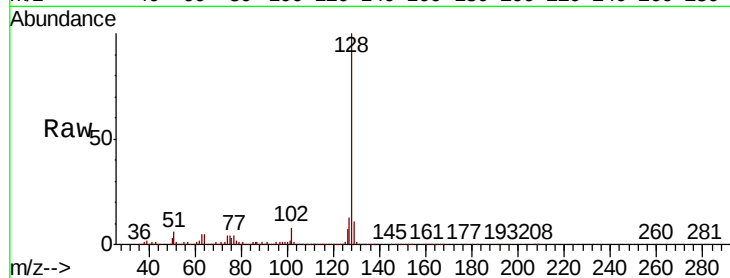
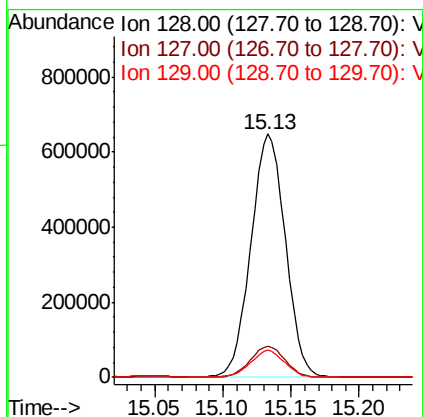
MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:128 Resp: 1130431

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 52.96 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Tgt Ion:180 Resp: 476701

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.2
145	36.1	15.2	45.6

