

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052319\
 Data File : VN055778.D
 Acq On : 24 May 2019 1:33
 Operator : JC/SP
 Sample : K2996-01
 Misc : 6.07µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 24 06:56:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	388360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	533014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	472990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	276296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	176491	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	
35) Dibromofluoromethane	7.59	113	160651	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	10.09	98	789871	61.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.20%	
62) 4-Bromofluorobenzene	12.40	95	377683	85.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.42%	

Target Compounds

					Qvalue	
5) Bromomethane	2.51	94	699	0.286	ug/l	88
11) Tert butyl alcohol	4.74	59	19135	24.970	ug/l #	74
13) Acrolein	3.51	56	37901	69.073	ug/l #	1
14) Allyl chloride	4.55	41	3324099	587.076	ug/l #	61
15) Acrylonitrile	5.02	53	168535	95.778	ug/l #	39
16) Acetone	3.74	43	277439	157.367	ug/l #	51
18) Methyl Acetate	4.55	43	8893134	2544.307	ug/l #	51
20) Methylene Chloride	4.66	84	286840	75.127	ug/l #	11
23) Vinyl Acetate	5.91	43	81147	8.594	ug/l #	77
24) 1,1-Dichloroethane	5.90	63	26547	4.140	ug/l #	83
25) 2-Butanone	6.80	43	81189	32.974	ug/l #	47
26) 2,2-Dichloropropane	6.70	77	2693	0.485	ug/l #	51
28) Bromochloromethane	7.30	49	675	0.221	ug/l #	7
29) Tetrahydrofuran	7.20	42	12938	8.298	ug/l #	32
30) Chloroform	7.32	83	691531	108.145	ug/l #	18
31) Cyclohexane	7.63	56	3413043	566.962	ug/l #	51
36) 1,1-Dichloropropene	7.87	75	1739	0.374	ug/l #	1
37) Ethyl Acetate	6.80	43	81189	18.085	ug/l #	67
38) Carbon Tetrachloride	7.66	117	30930	6.393	ug/l #	14
39) Methylcyclohexane	9.08	83	3517969	611.607	ug/l	92
40) Benzene	8.04	78	295288	21.093	ug/l	98
41) Methacrylonitrile	7.20	41	156143	68.844	ug/l #	41
42) 1,2-Dichloroethane	8.16	62	7655	1.673	ug/l #	1
43) Isopropyl Acetate	8.14	43	1365931	181.087	ug/l #	53
45) 1,2-Dichloropropane	9.14	63	8260	2.265	ug/l #	1
46) Dibromomethane	9.21	93	1828	0.764	ug/l #	1
47) Bromodichloromethane	9.38	83	924144	188.415	ug/l #	25
48) Methyl methacrylate	9.22	41	172713	49.682	ug/l #	26
51) 4-Methyl-2-Pentanone	10.02	43	419744	94.221	ug/l #	75
52) Toluene	10.16	92	153225	17.403	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	1733	0.299	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	1282048	363.479	ug/l #	19
56) Ethyl methacrylate	10.47	69	323939	59.426	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.67	63	26416	12.680	ug/l #	46

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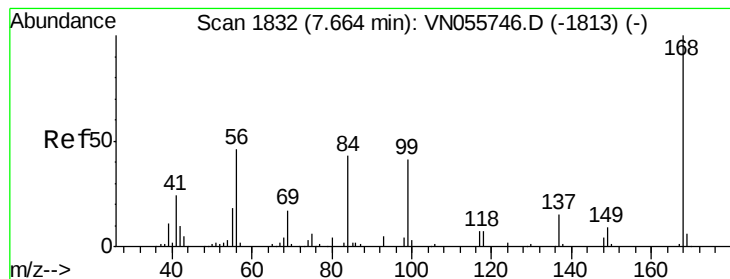
Instrument :
 MSVOA_N
 ClientSampleId :

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

59) 2-Hexanone	10.72	43	1045765	330.904	ug/l #	29
60) Dibromochloromethane	10.82	129	8447	2.056	ug/l #	11
61) 1,2-Dibromoethane	10.98	107	8799	2.405	ug/l #	1
65) Chlorobenzene	11.54	112	21733	2.295	ug/l #	42
68) m/p-Xylenes	11.63	106	14398524	2243.000	ug/l #	1
69) o-Xylene	11.95	106	54844	8.611	ug/l	85
73) Isopropylbenzene	12.25	105	8266184	441.467	ug/l	99
74) N-amyl acetate	12.04	43	406770	54.576	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.54	83	39819	3.779	ug/l #	26
76) 1,2,3-Trichloropropane	12.53	75	5116	Below Cal	#	100
77) Bromobenzene	12.54	156	287218	48.715	ug/l #	1
78) n-propylbenzene	12.59	91	8767969	365.120	ug/l	99
79) 2-Chlorotoluene	12.69	91	1834343	146.746	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	8922378	565.738	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.25	75	83225	40.528	ug/l #	60
82) 4-Chlorotoluene	12.73	91	860374	60.951	ug/l #	40
83) tert-Butylbenzene	13.04	119	6153011	454.777	ug/l #	68
84) 1,2,4-Trimethylbenzene	12.89	105	8407975	531.623	ug/l	78
85) sec-Butylbenzene	13.17	105	980331	52.841	ug/l #	54
86) p-Isopropyltoluene	13.23	119	816060	42.530	ug/l	95
89) n-Butylbenzene	13.54	91	930871	63.317	ug/l	72
90) Hexachloroethane	13.89	117	755585	206.886	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.29	75	9346	7.634	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	817	3.778	ug/l #	1
94) Hexachlorobutadiene	15.01	225	59	Below Cal	#	19
95) Naphthalene	15.13	128	6053818	473.651	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

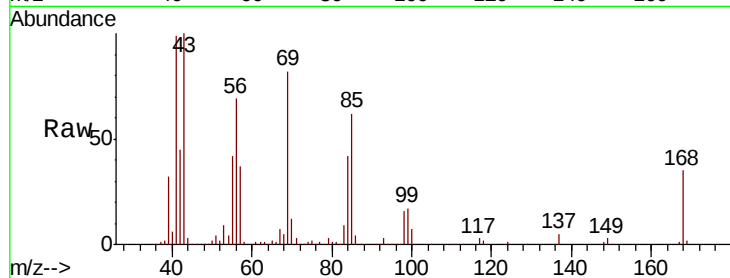
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 388360

Ion Ratio Lower Upper

168 100

99 46.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

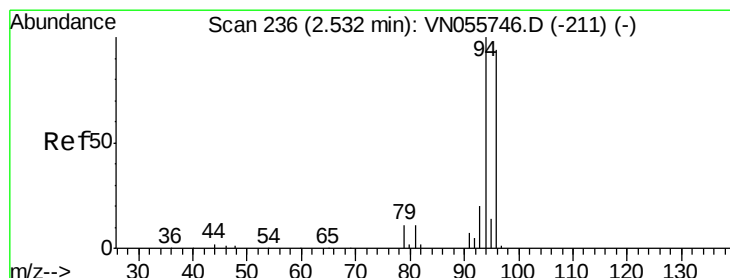
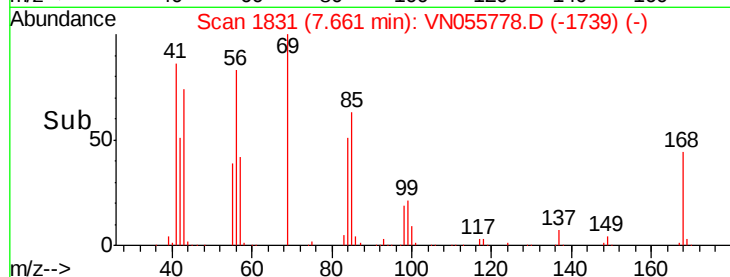
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.286 ug/l

RT: 2.51 min Scan# 228

Delta R.T. -0.03 min

Lab File: VN055778.D

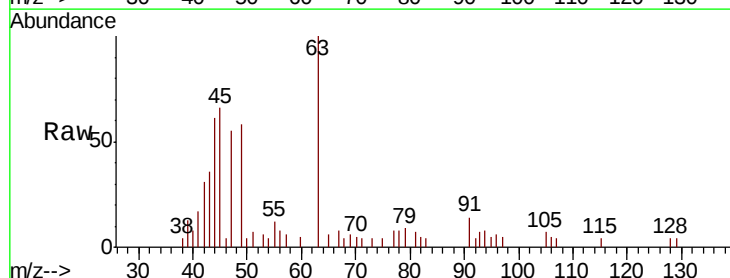
Acq: 24 May 2019 1:33

Tgt Ion: 94 Resp: 699

Ion Ratio Lower Upper

94 100

96 82.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.51

300

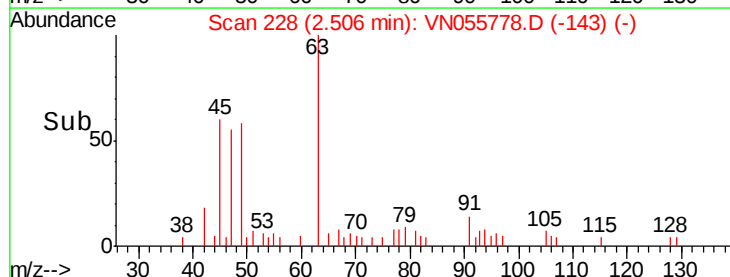
200

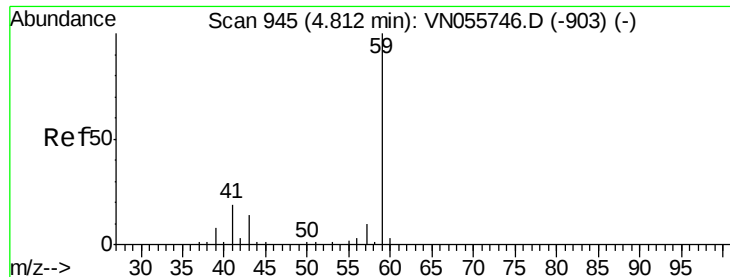
100

0

2.48 2.50 2.52 2.54 2.56

Time-->

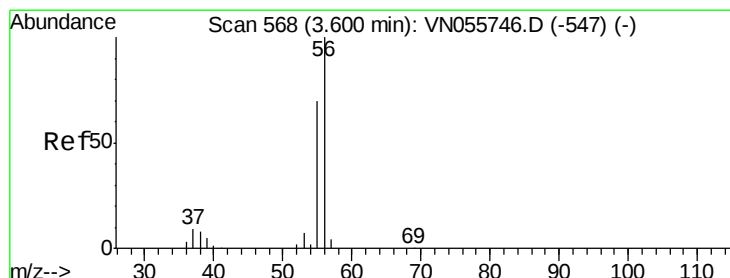
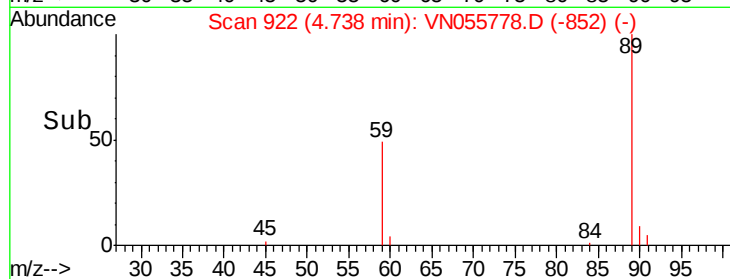
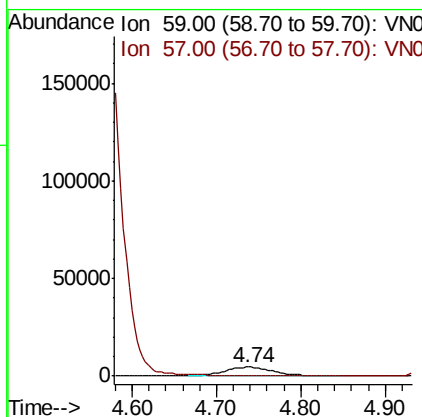
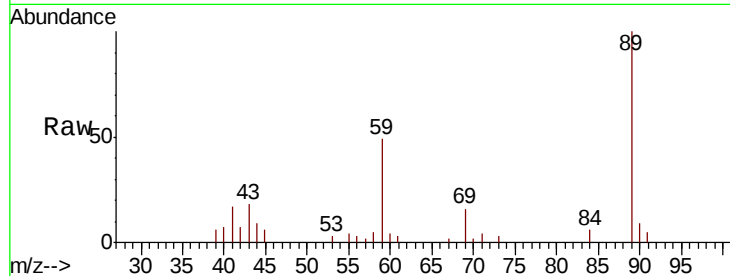




#11
Tert butyl alcohol
Concen: 24.970 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.07 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

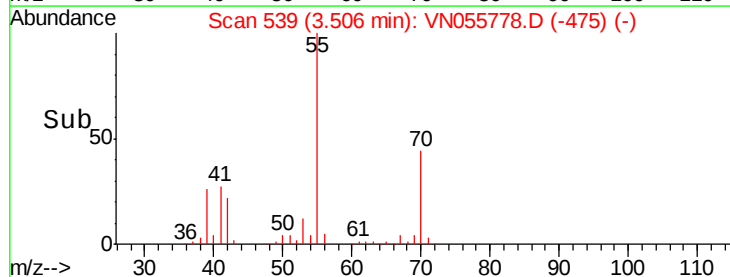
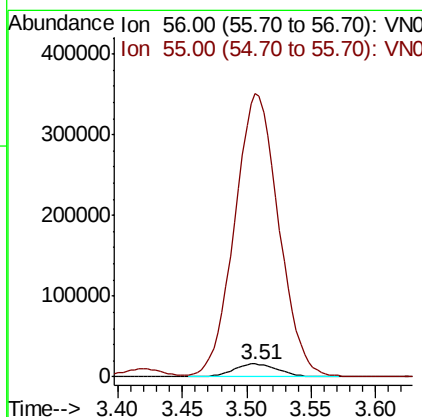
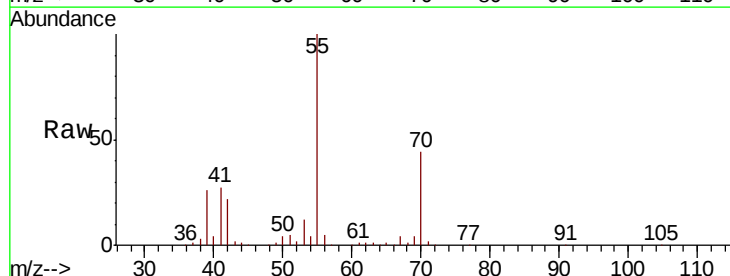
Instrument :
MSVOA_N
ClientSampled :

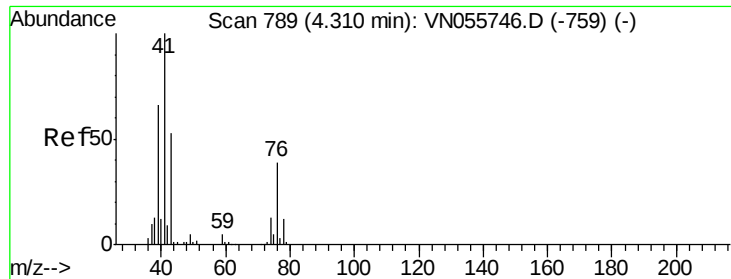
Tot Ion: 59 Resp: 19135
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: 69.073 ug/l
RT: 3.51 min Scan# 539
Delta R.T. -0.09 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

Tgt Ion: 56 Resp: 37901
Ion Ratio Lower Upper
56 100
55 2206.8 55.4 83.2#





#14

Allvl chloride

Concen: 587.076 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.24 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

ClientSampled :

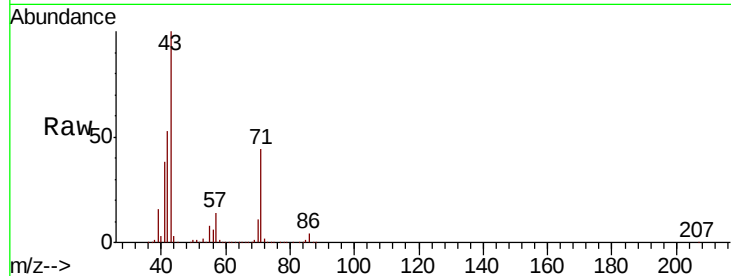
Tot Ion: 41 Resp: 3324099

Ion Ratio Lower Upper

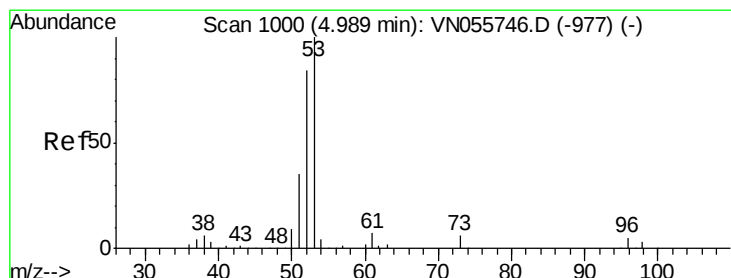
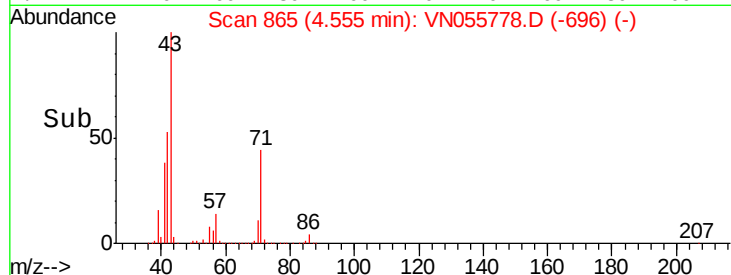
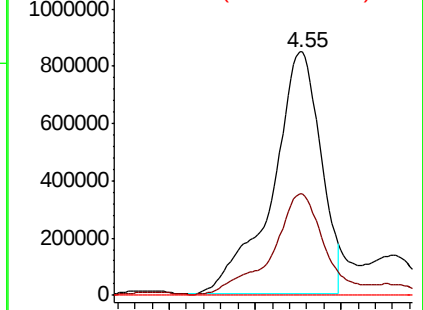
41 100

39 41.6 50.0 75.0#

76 0.0 28.2 42.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO



#15

Acrylonitrile

Concen: 95.778 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.03 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

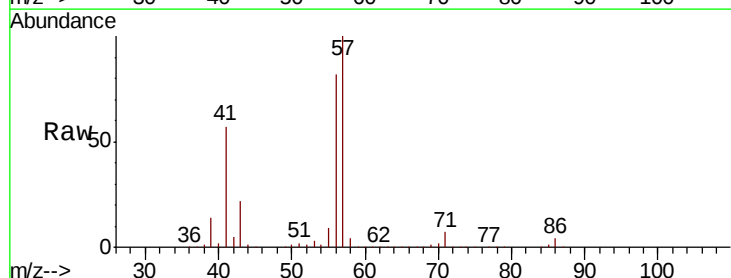
Tgt Ion: 53 Resp: 168535

Ion Ratio Lower Upper

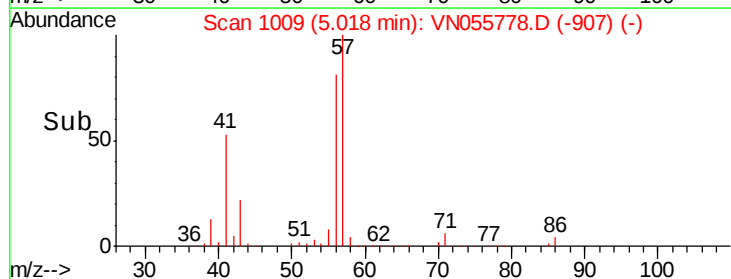
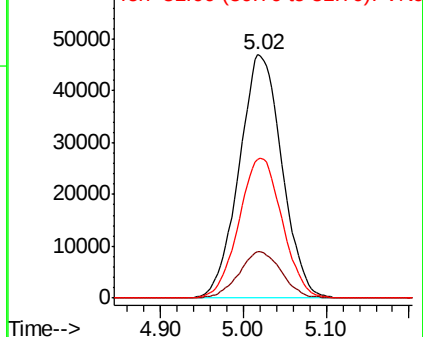
53 100

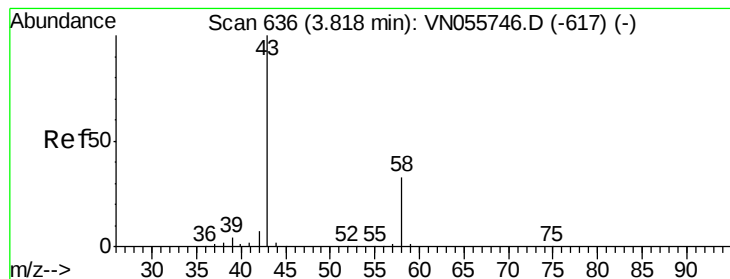
52 18.9 65.8 98.8#

51 58.1 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VNO
Ion 52.00 (51.70 to 52.70): VNO
Ion 51.00 (50.70 to 51.70): VNO





#16

Acetone

Concen: 157.367 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.07 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

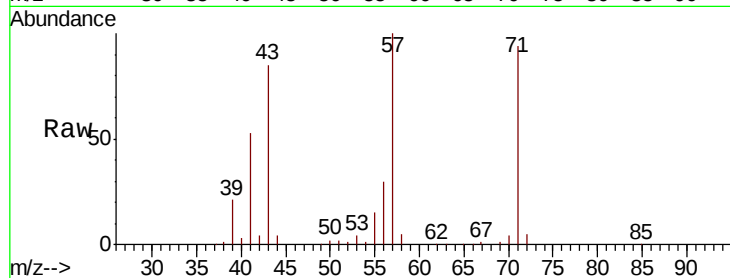
ClientSampled :

Tot Ion: 43 Resp: 277439

Ion Ratio Lower Upper

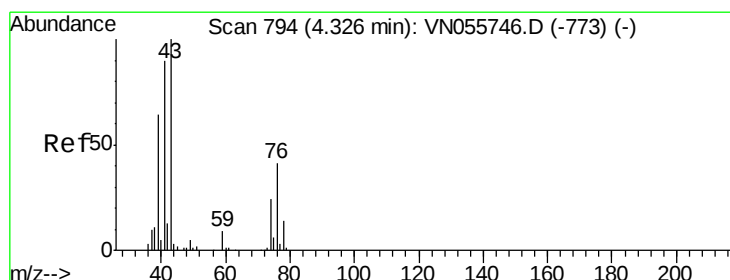
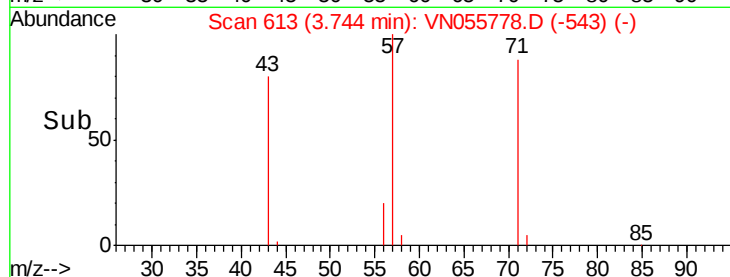
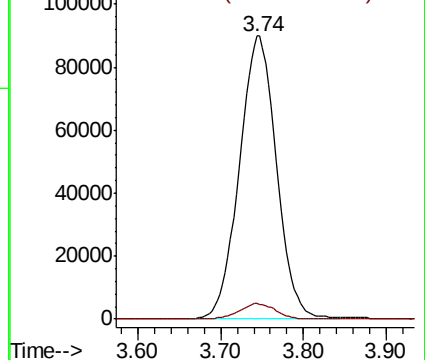
43 100

58 5.5 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 2544.307 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN055778.D

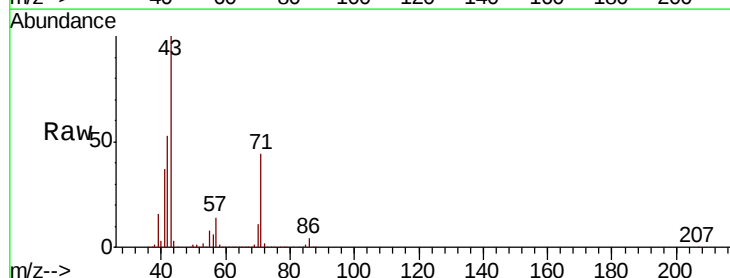
Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 8893134

Ion Ratio Lower Upper

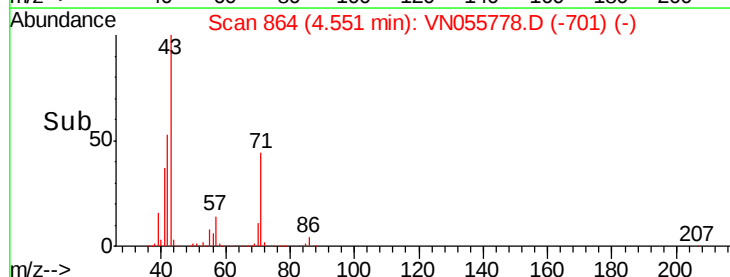
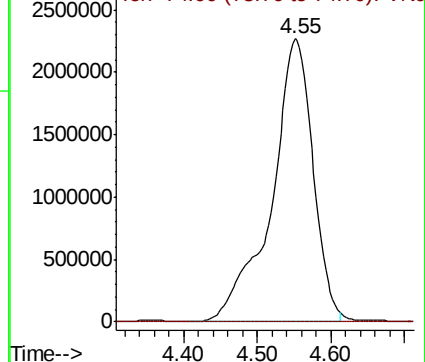
43 100

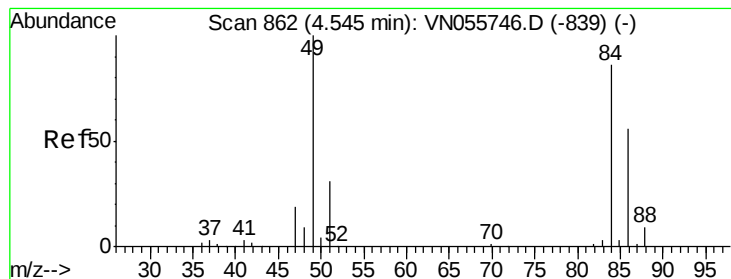
74 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methylene Chloride

Concen: 75.127 ug/l

RT: 4.66 min Scan# 898

Delta R.T. 0.12 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 84 Resp: 286840

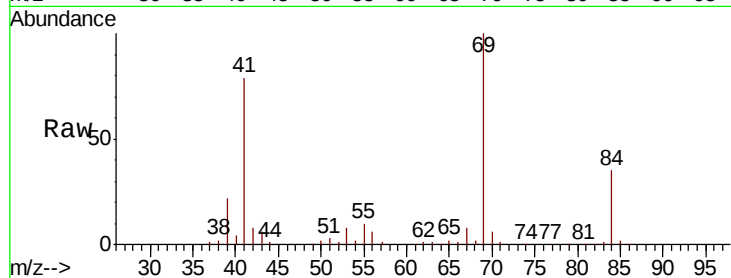
Ion Ratio Lower Upper

84 100

49 0.6 93.5 140.3#

51 9.1 28.6 43.0#

86 0.3 52.6 79.0#

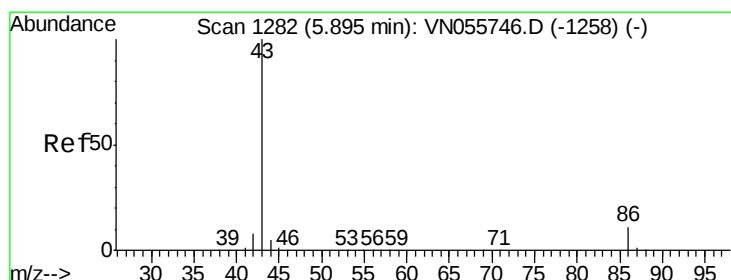
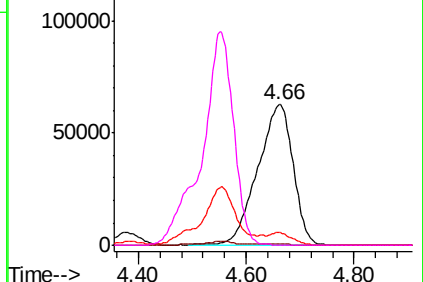
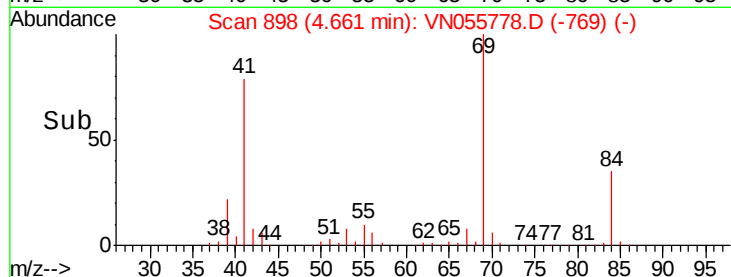


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#23

Vinyl Acetate

Concen: 8.594 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN055778.D

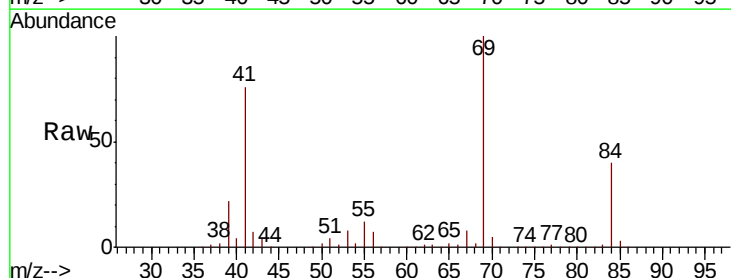
Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 81147

Ion Ratio Lower Upper

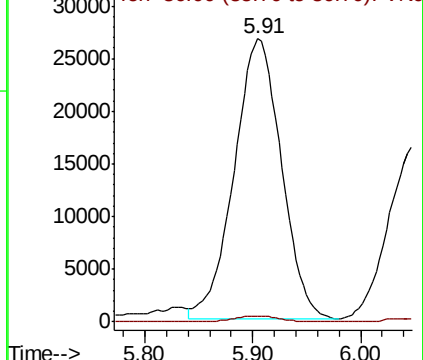
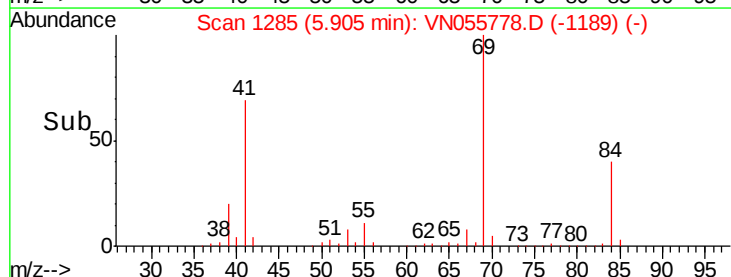
43 100

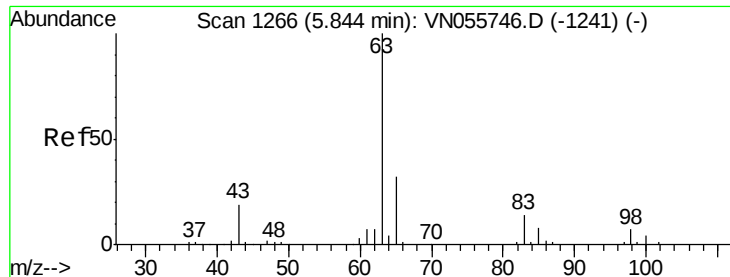
86 2.1 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 86.00 (85.70 to 86.70): VNC





#24

1,1-Dichloroethane

Concen: 4.140 ug/l

RT: 5.90 min Scan# 1284

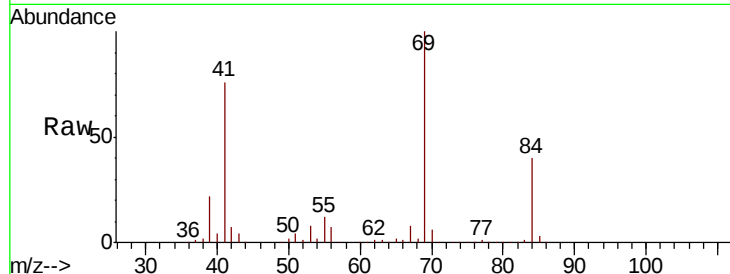
Delta R.T. 0.06 min

Lab File: VN055778.D

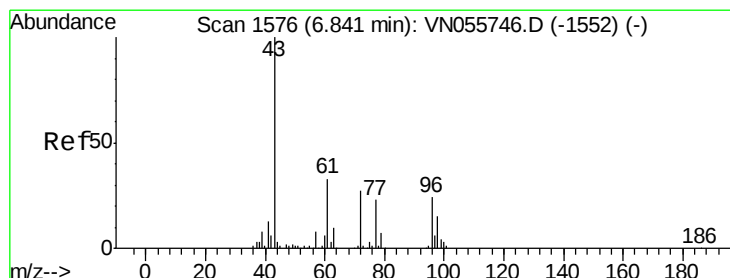
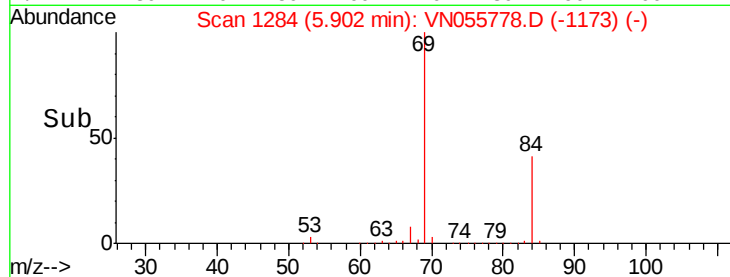
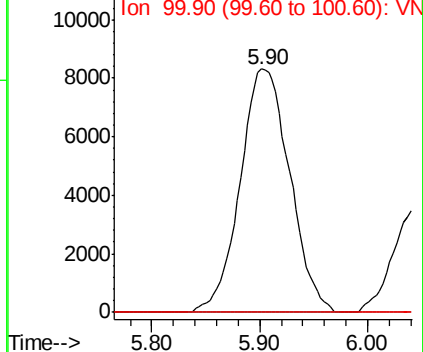
Acq: 24 May 2019 1:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	63	Resp:	26547
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.1#
100	0.0	2.2	6.6#



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



#25

2-Butanone

Concen: 32.974 ug/l

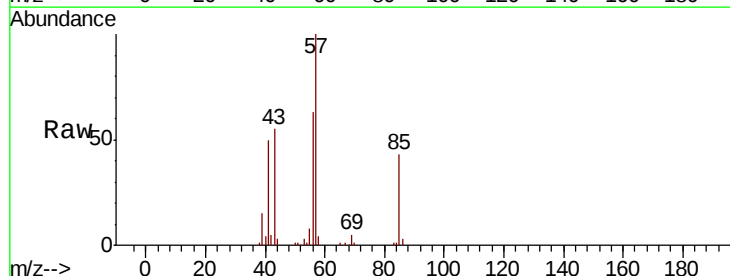
RT: 6.80 min Scan# 1564

Delta R.T. -0.04 min

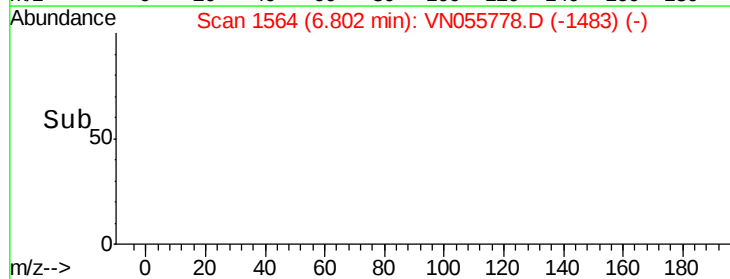
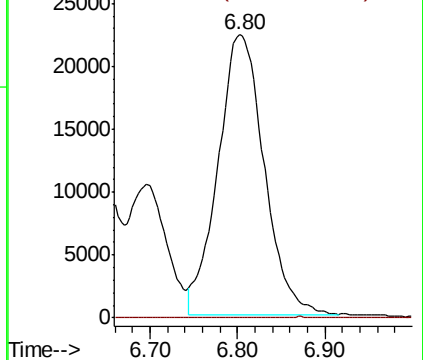
Lab File: VN055778.D

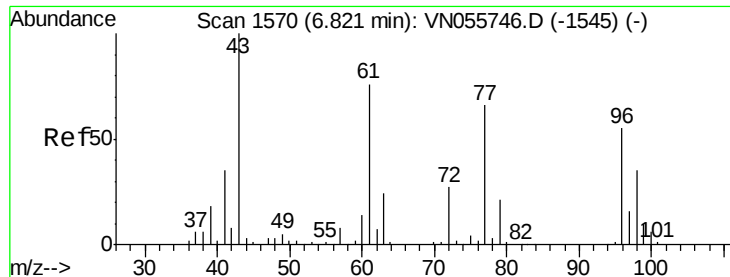
Acq: 24 May 2019 1:33

Tgt Ion:	43	Resp:	81189
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.9	32.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

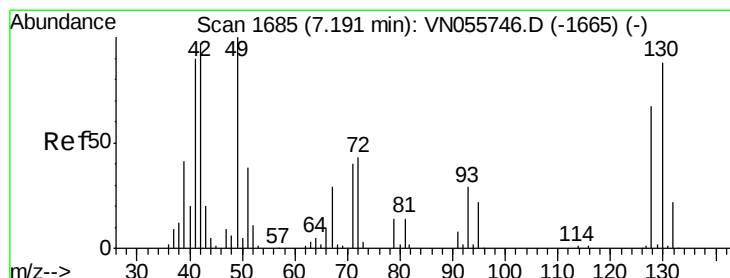
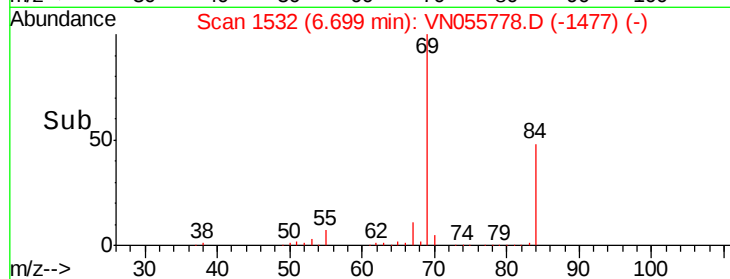
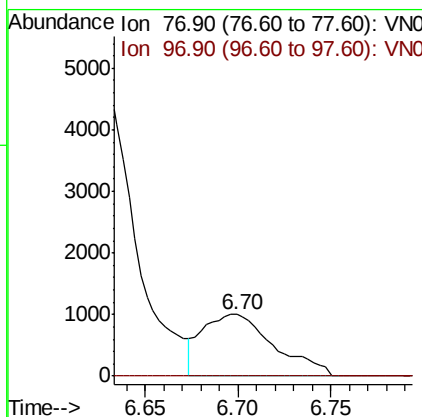
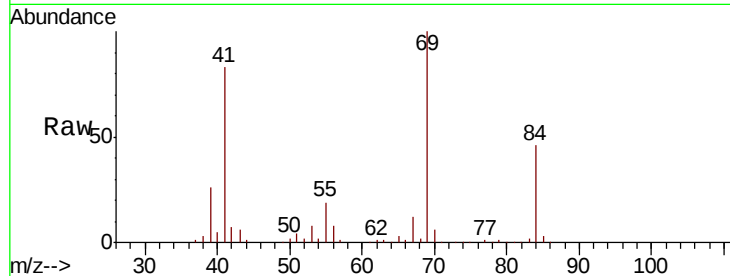




#26
 2,2-Dichloropropane
 Concen: 0.485 ug/l
 RT: 6.70 min Scan# 1532
 Delta R.T. -0.12 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

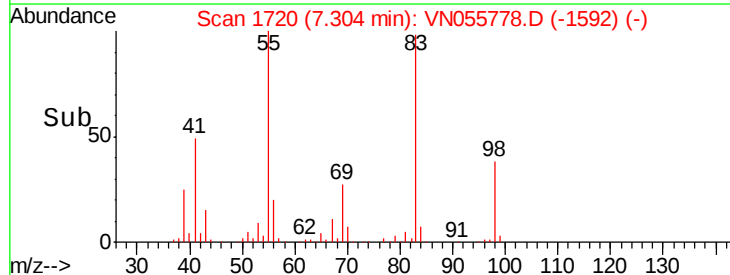
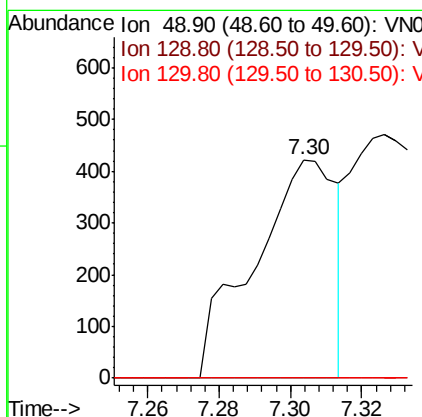
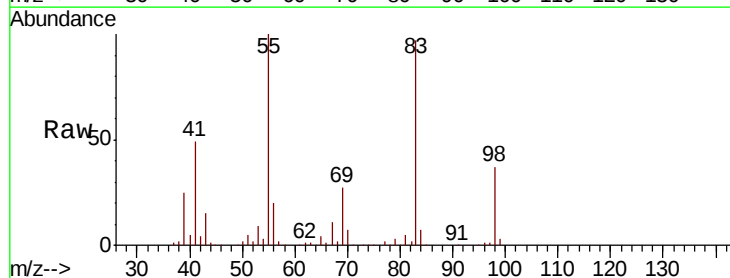
Instrument :
 MSVOA_N
 ClientSampled :

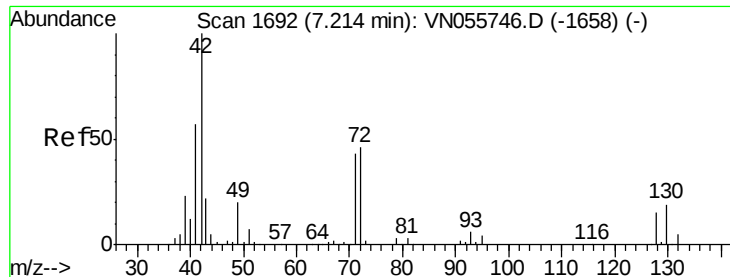
Tot Ion: 77 Resp: 2693
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.6#



#28
 Bromochloromethane
 Concen: 0.221 ug/l
 RT: 7.30 min Scan# 1720
 Delta R.T. 0.11 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

Tgt Ion: 49 Resp: 675
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.4
 130 0.0 71.2 106.8#

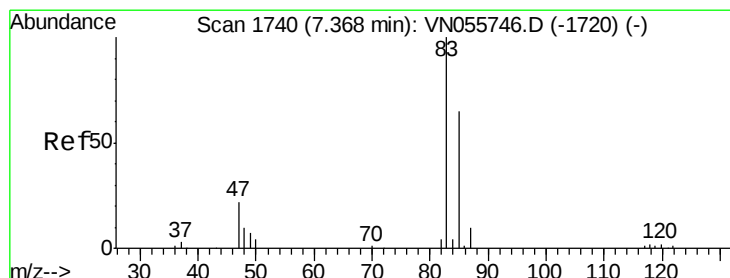
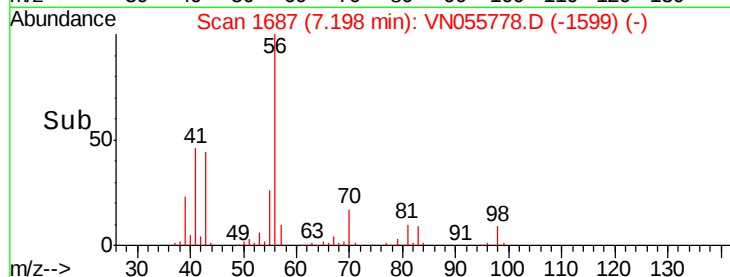
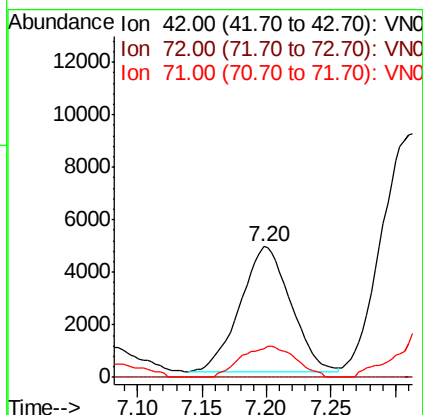
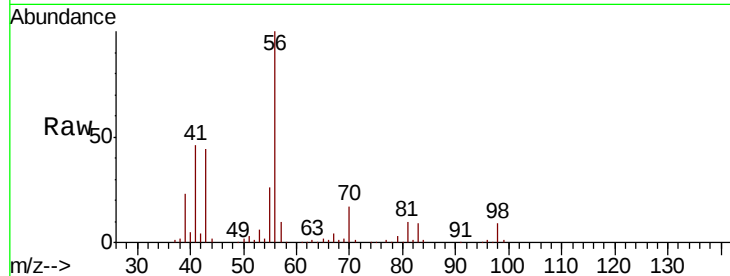




#29
Tetrahydrofuran
Concen: 8.298 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.02 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

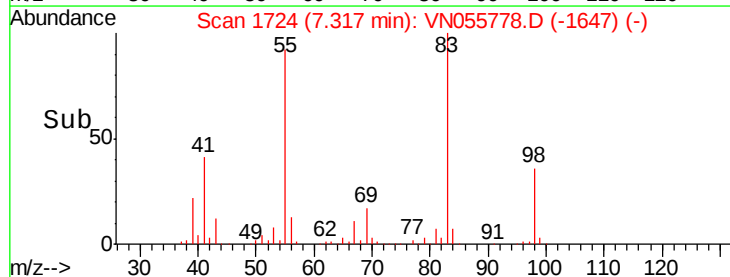
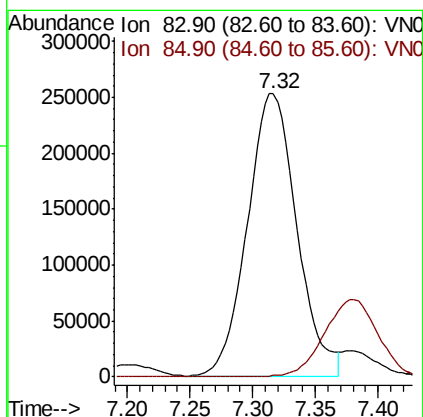
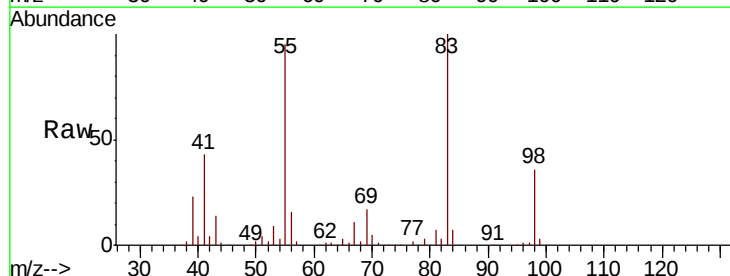
Instrument :
MSVOA_N
ClientSampleId :

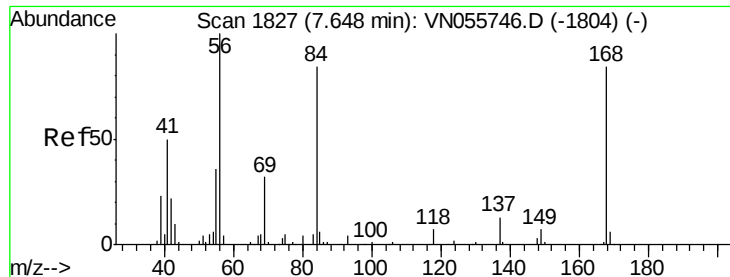
Tot Ion: 42 Resp: 12938
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 0.0 34.0 51.0#



#30
Chloroform
Concen: 108.145 ug/l
RT: 7.32 min Scan# 1724
Delta R.T. -0.05 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

Tgt Ion: 83 Resp: 691531
Ion Ratio Lower Upper
83 100
85 0.4 51.8 77.8#





#31

Cyclohexane

Concen: 566.962 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :
MSVOA_N
ClientSampled :

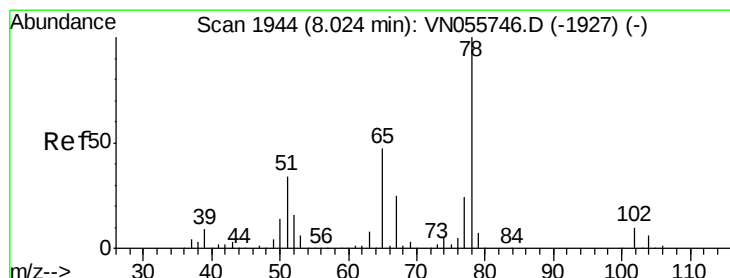
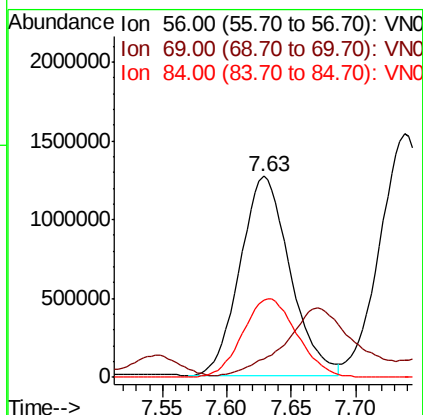
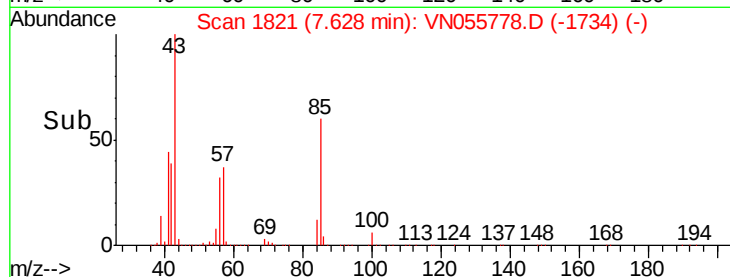
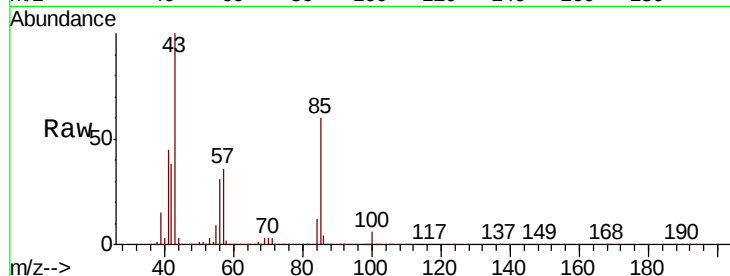
Tot Ion: 56 Resp: 3413043

Ion Ratio Lower Upper

56 100

69 5.2 25.6 38.4#

84 38.8 67.4 101.0#



#33

1,2-Dichloroethane-d4

Concen: 44.005 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055778.D

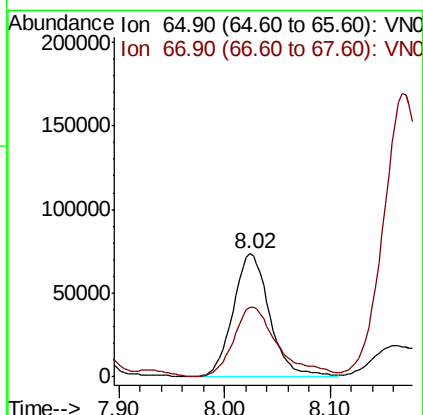
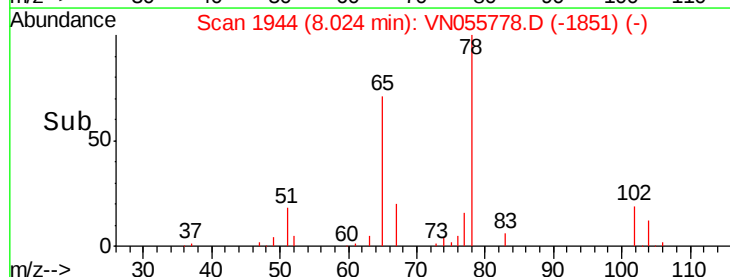
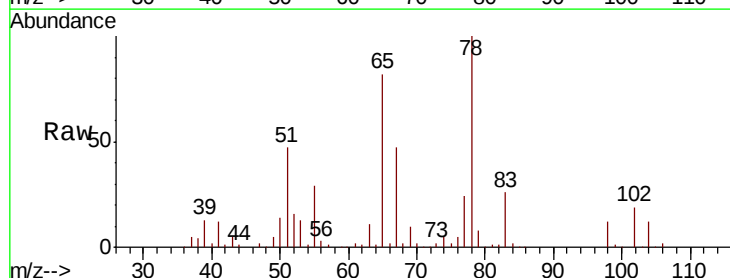
Acq: 24 May 2019 1:33

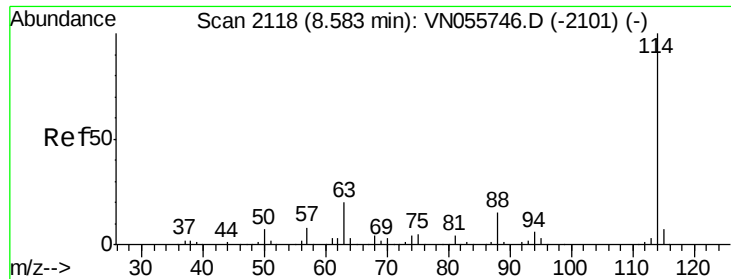
Tgt Ion: 65 Resp: 176491

Ion Ratio Lower Upper

65 100

67 68.5 0.0 109.2

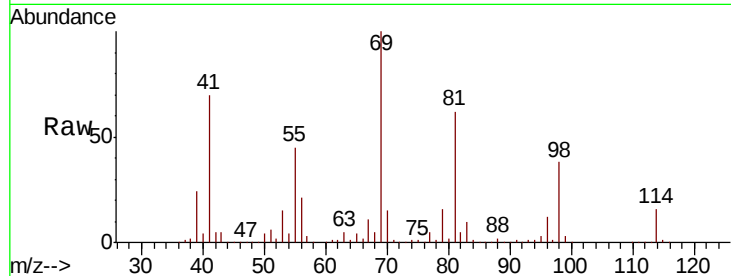




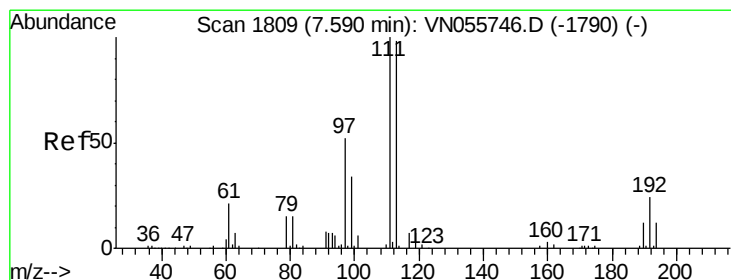
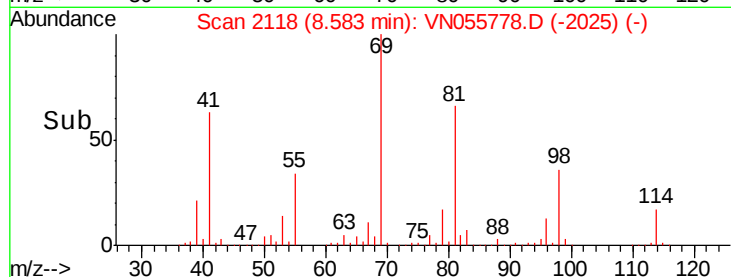
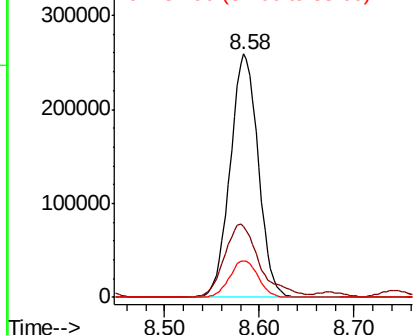
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 533014
 Ion Ratio Lower Upper
 114 100
 63 29.0 0.0 39.2
 88 15.1 0.0 31.0

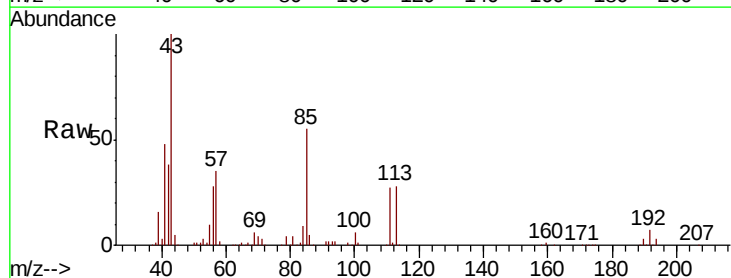


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

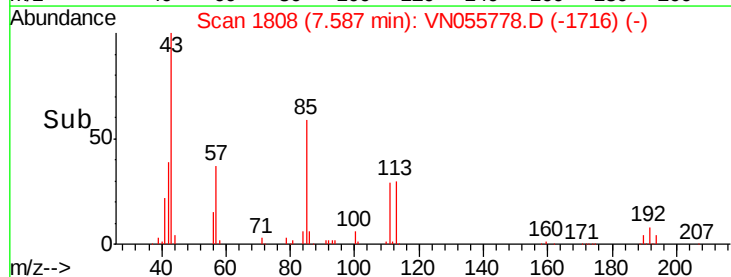
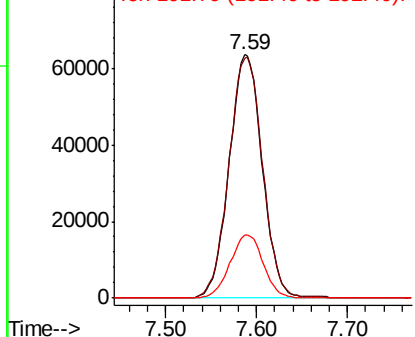


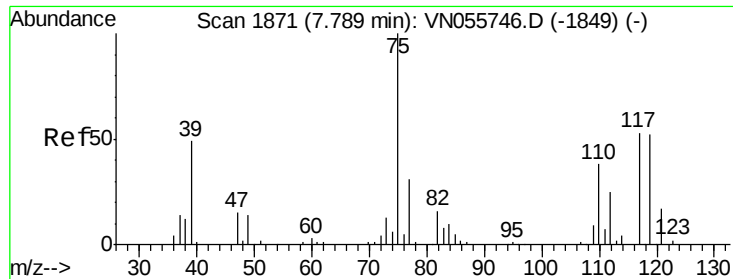
#35
 Dibromofluoromethane
 Concen: 47.672 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

Tgt Ion:113 Resp: 160651
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.9 122.9
 192 25.8 19.5 29.3



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

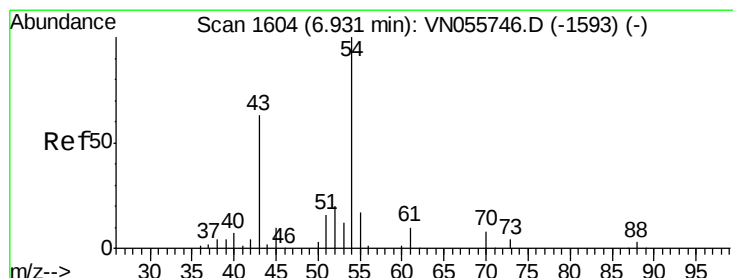
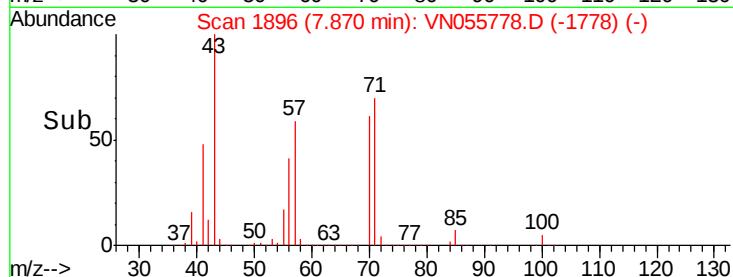
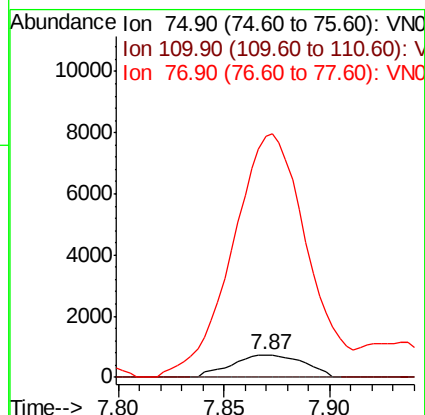
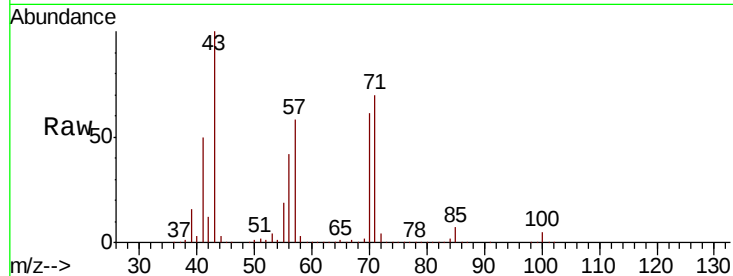




#36
 1,1-Dichloropropene
 Concen: 0.374 ug/l
 RT: 7.87 min Scan# 1896
 Delta R.T. 0.08 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

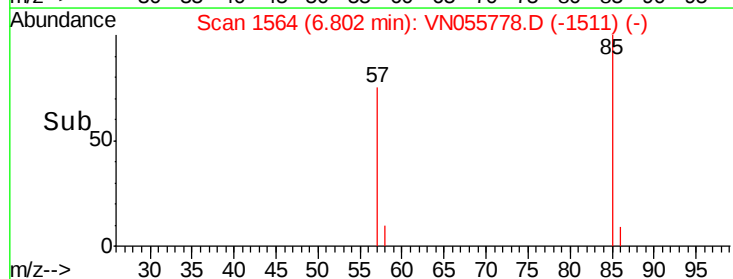
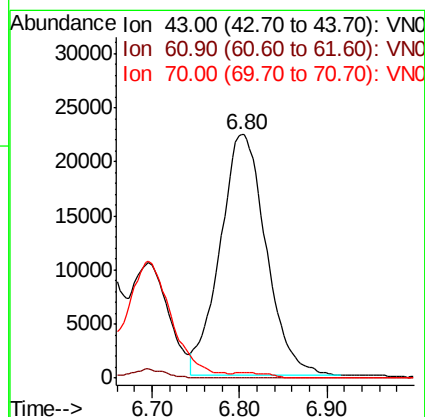
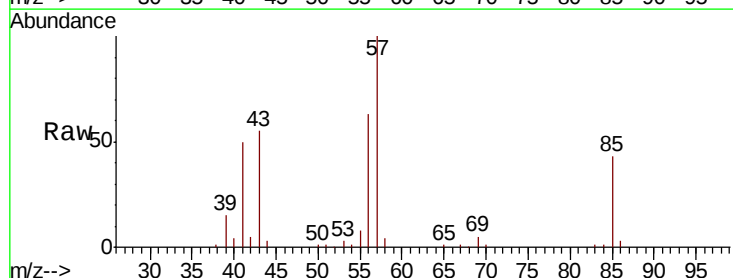
Instrument :
 MSVOA_N
 ClientSampled :

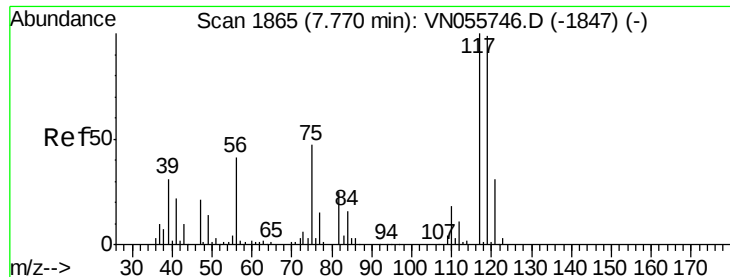
Tot Ion: 75 Resp: 1739
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.0 57.0#
 77 1123.7 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 18.085 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.13 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 81189
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.2 18.2#
 70 0.0 8.9 13.3#

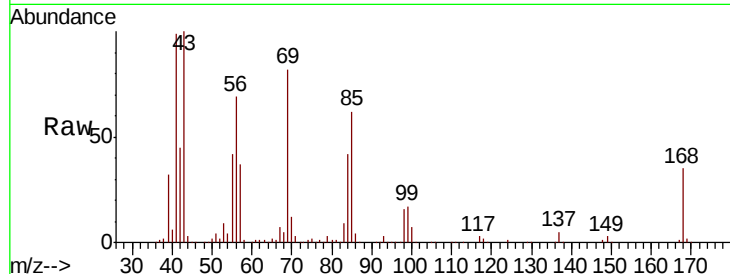




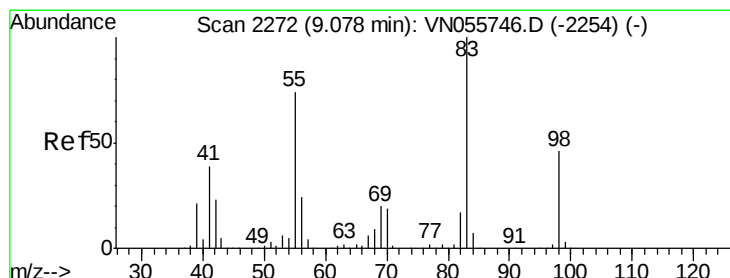
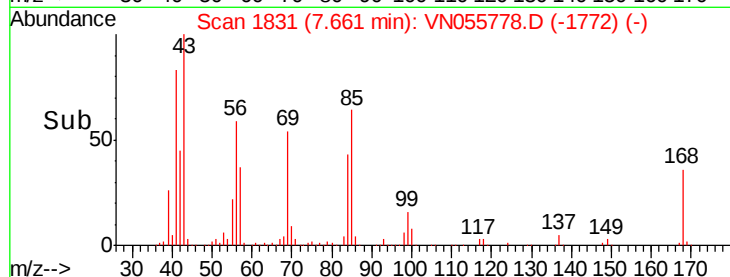
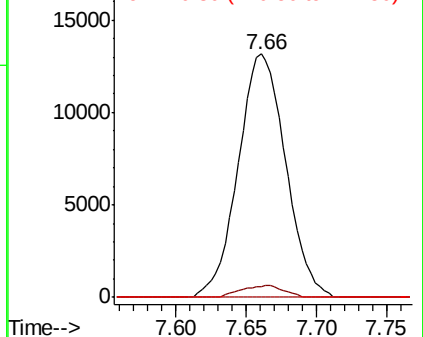
#38
Carbon Tetrachloride
Concen: 6.393 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 30930
Ion Ratio Lower Upper
117 100
119 4.6 79.0 118.6#
121 0.0 24.7 37.1#

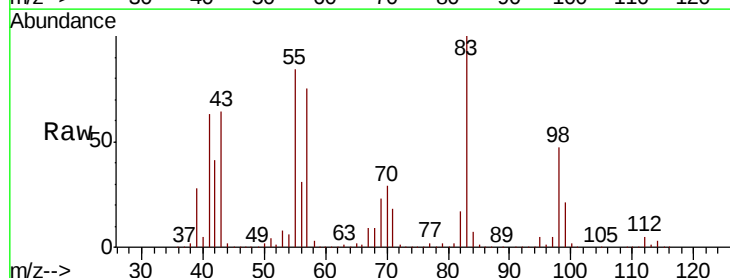


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

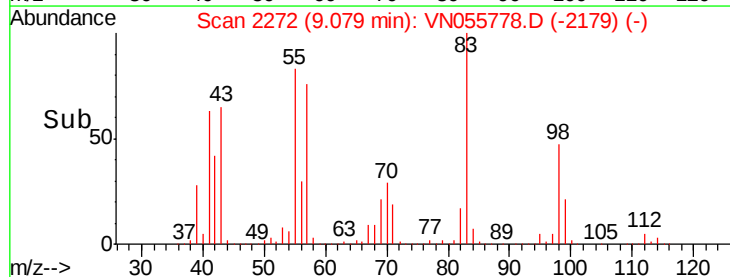
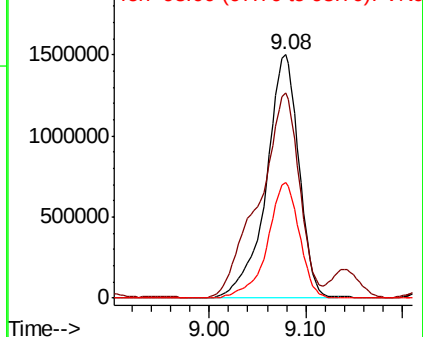


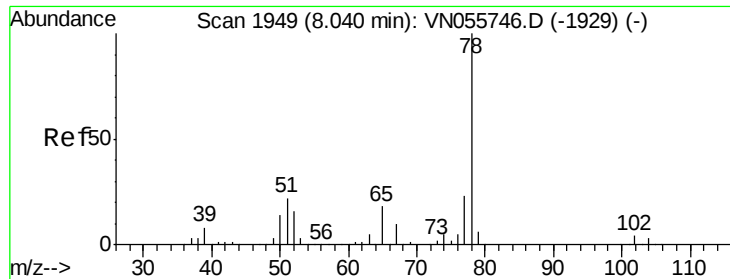
#39
Methylcyclohexane
Concen: 611.607 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

Tgt Ion: 83 Resp: 3517969
Ion Ratio Lower Upper
83 100
55 83.9 59.3 88.9
98 47.5 36.6 54.8



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





#40

Benzene

Concen: 21.093 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

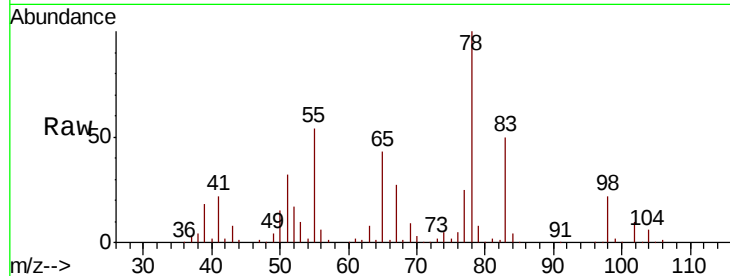
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 295288

Ion Ratio Lower Upper

78 100

77 24.6 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN055746.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN055746.D (-1929) (-)

8.04

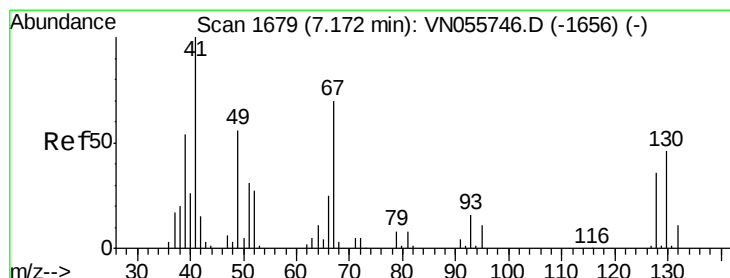
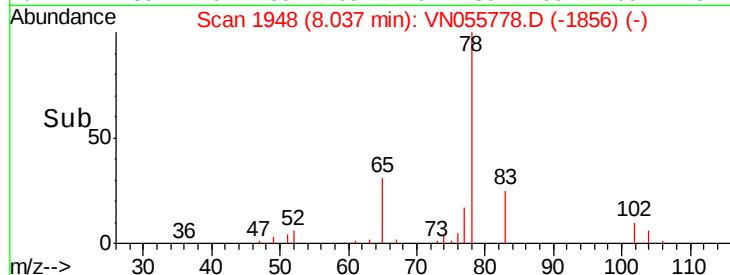
150000

100000

50000

0

Time-->



#41

Methacrylonitrile

Concen: 68.844 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.03 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Tgt Ion: 41 Resp: 156143

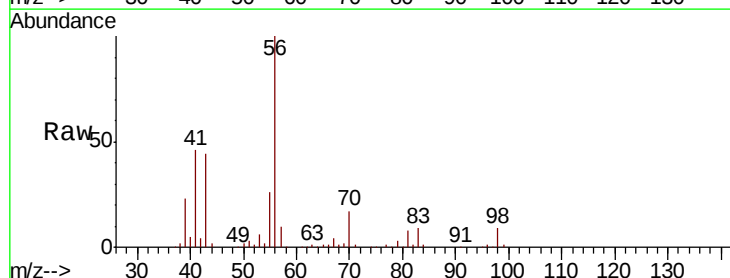
Ion Ratio Lower Upper

41 100

39 49.7 45.6 68.4

67 0.0 67.7 101.5#

52 0.0 26.6 40.0#



Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-1656) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-1656) (-)

Ion 67.00 (66.70 to 67.70): VN055746.D (-1656) (-)

Ion 52.00 (51.70 to 52.70): VN055746.D (-1656) (-)

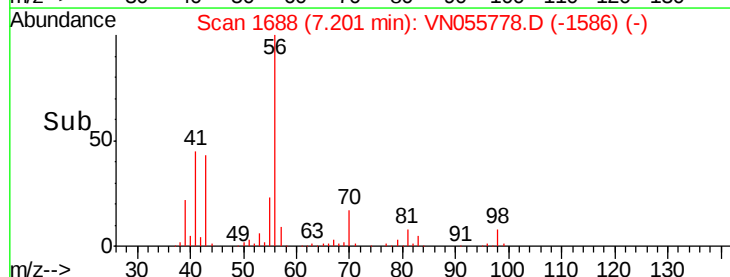
150000

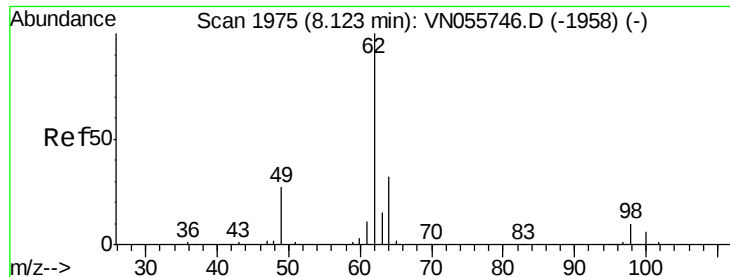
100000

50000

0

Time-->

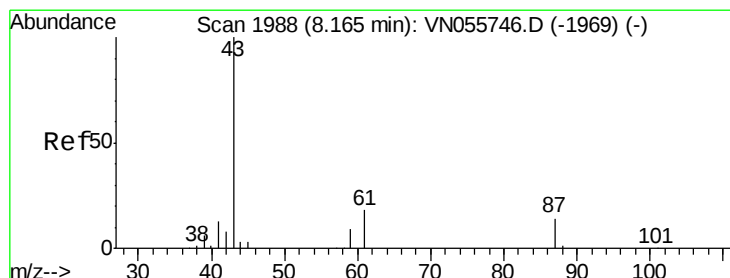
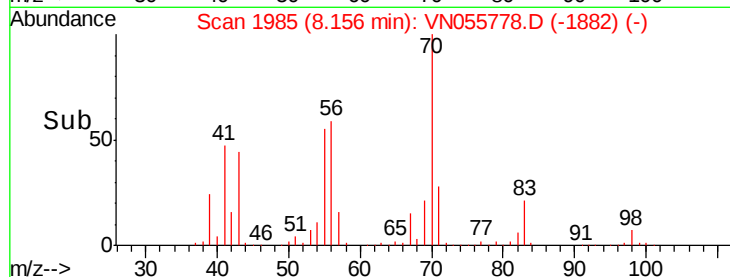
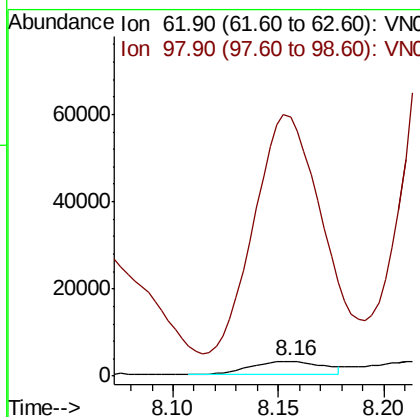
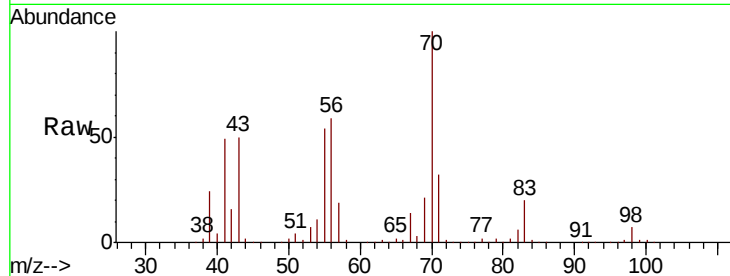




#42
 1,2-Dichloroethane
 Concen: 1.673 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.03 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

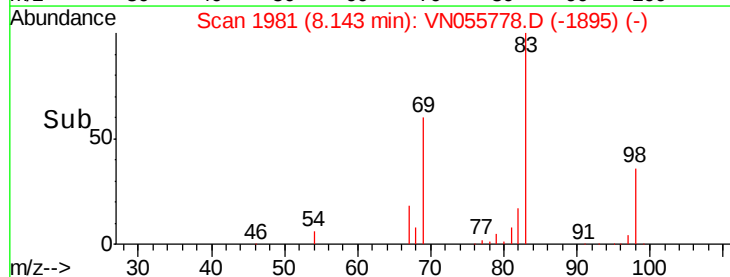
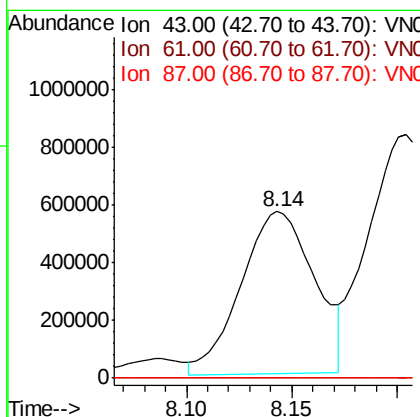
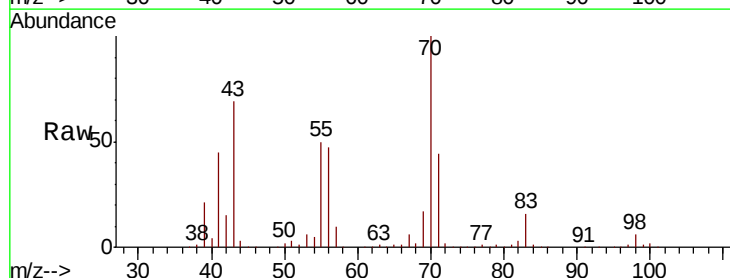
Instrument :
 MSVOA_N
 ClientSampled :

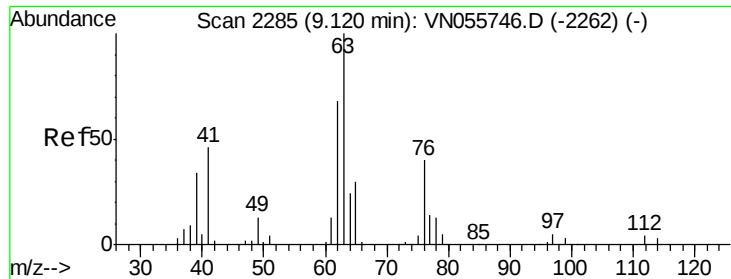
Tot Ion: 62 Resp: 7655
 Ion Ratio Lower Upper
 62 100
 98 1595.9 0.0 20.2#



#43
 Isopropyl Acetate
 Concen: 181.087 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. -0.02 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 1365931
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.2 33.4#
 87 0.0 11.4 17.2#





#45

1,2-Dichloropropane

Concen: 2.265 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. 0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

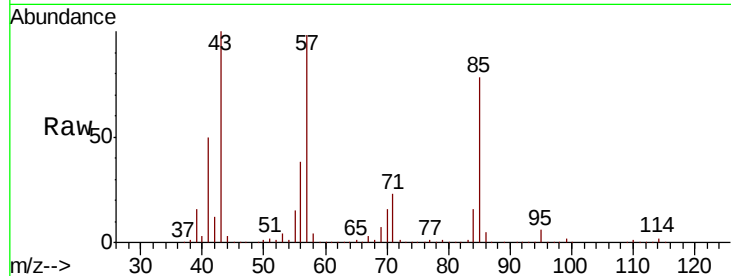
ClientSampled :

Tot Ion: 63 Resp: 8260

Ion Ratio Lower Upper

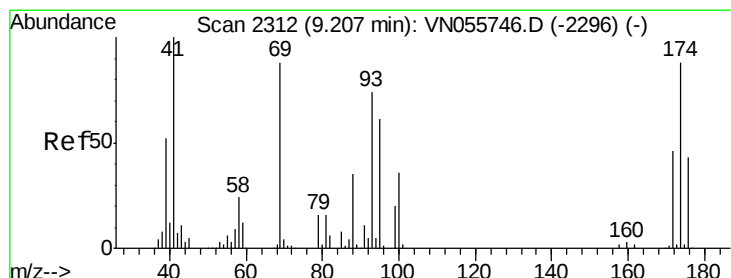
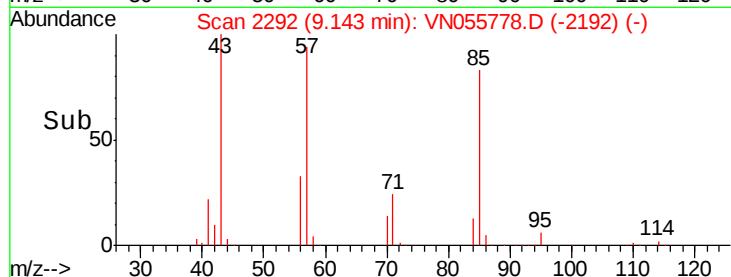
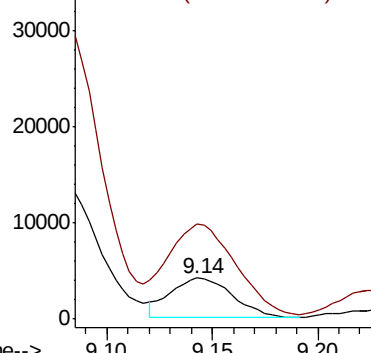
63 100

65 228.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 0.764 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

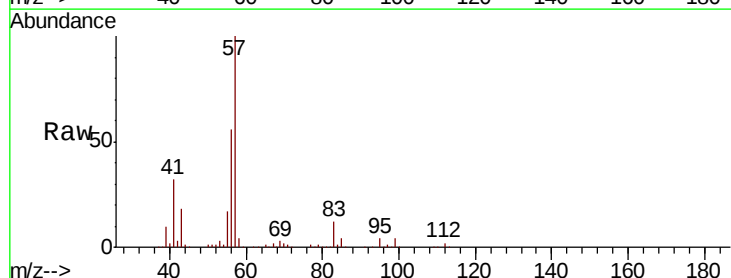
Tgt Ion: 93 Resp: 1828

Ion Ratio Lower Upper

93 100

95 1060.3 66.7 100.1#

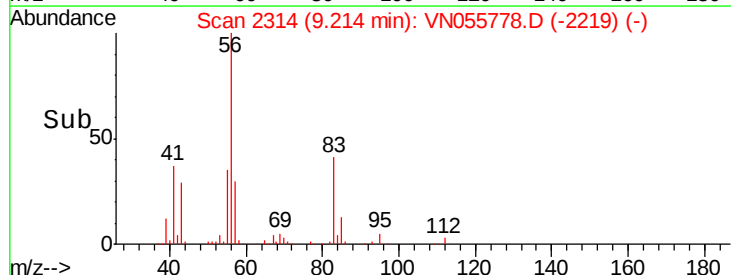
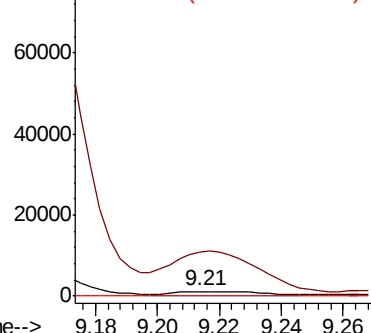
174 0.0 96.4 144.6#

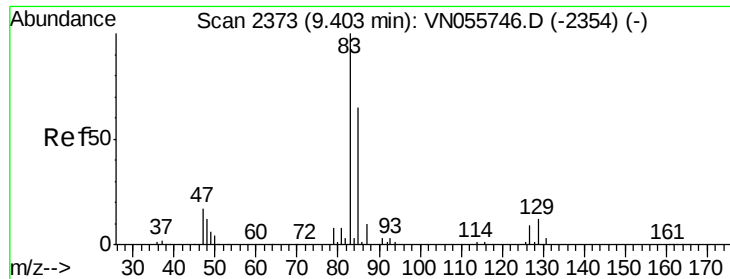


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 188.415 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

ClientSampled :

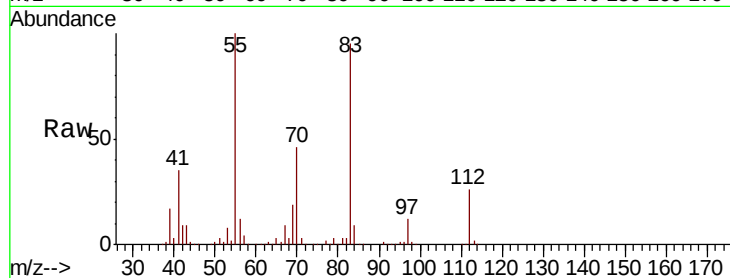
Tot Ion: 83 Resp: 924144

Ion Ratio Lower Upper

83 100

85 0.3 52.2 78.2#

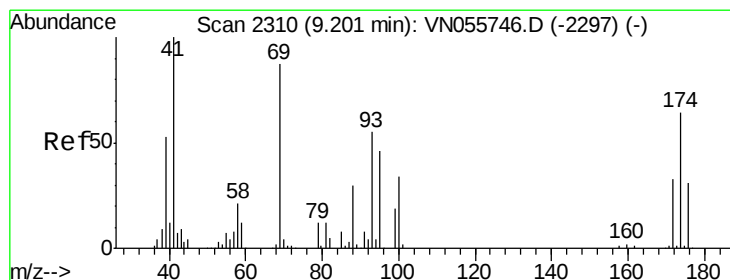
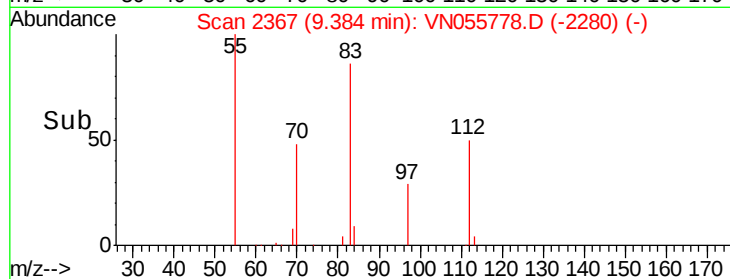
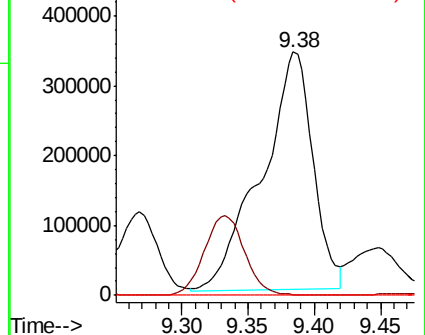
127 0.0 7.4 11.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 49.682 ug/l

RT: 9.22 min Scan# 2316

Delta R.T. 0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

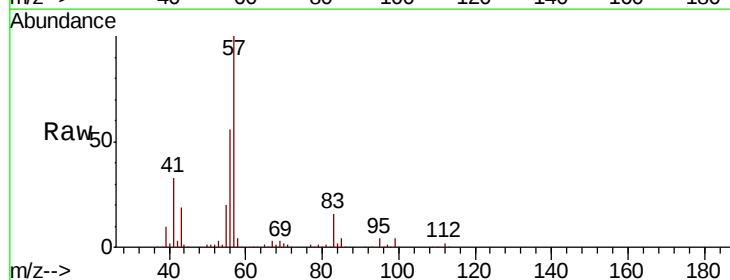
Tgt Ion: 41 Resp: 172713

Ion Ratio Lower Upper

41 100

69 0.0 71.0 106.6#

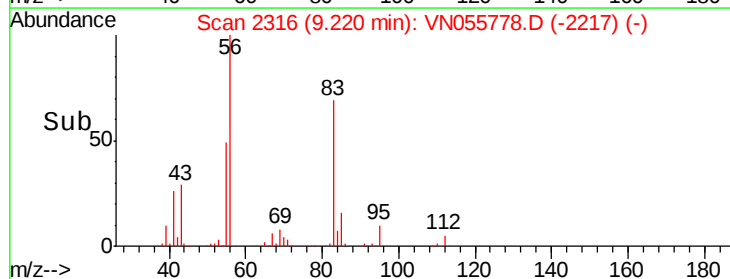
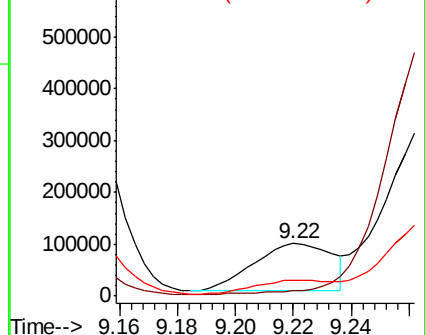
39 26.9 44.2 66.2#

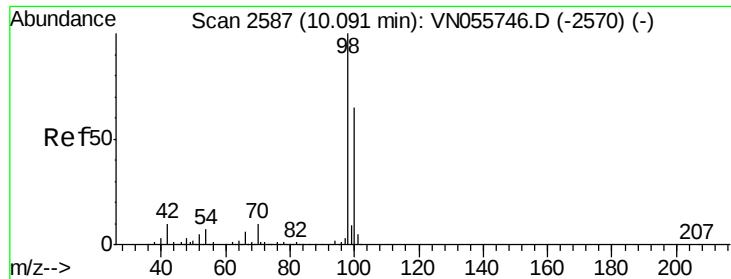


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 61.104 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

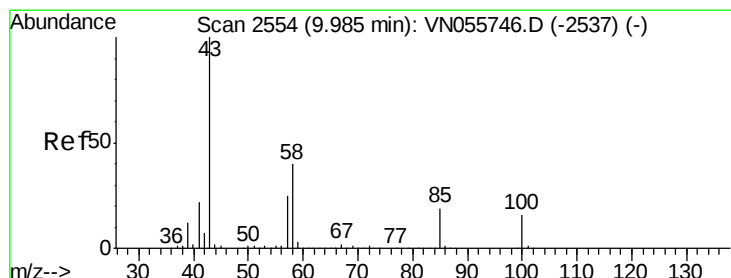
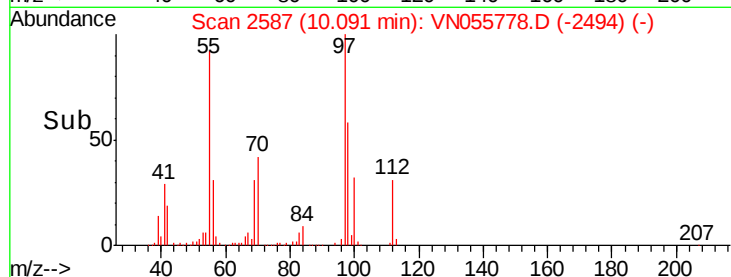
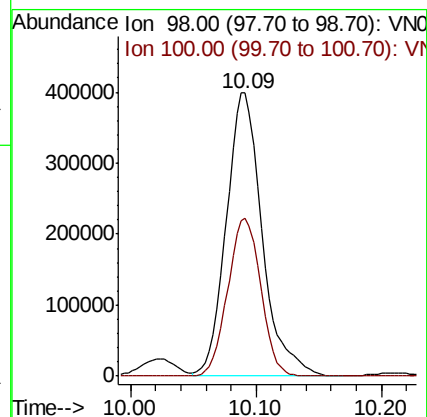
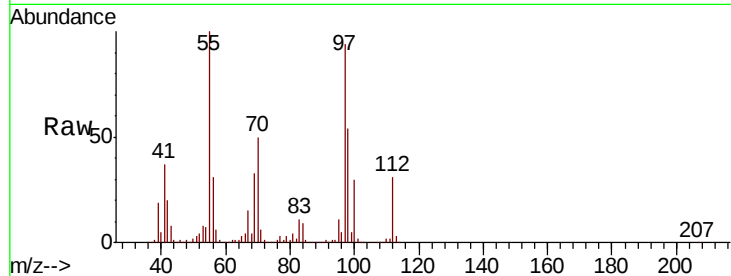
ClientSampled :

Tot Ion: 98 Resp: 789871

Ion Ratio Lower Upper

98 100

100 51.3 51.9 77.9#



#51

4-Methyl-2-Pentanone

Concen: 94.221 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN055778.D

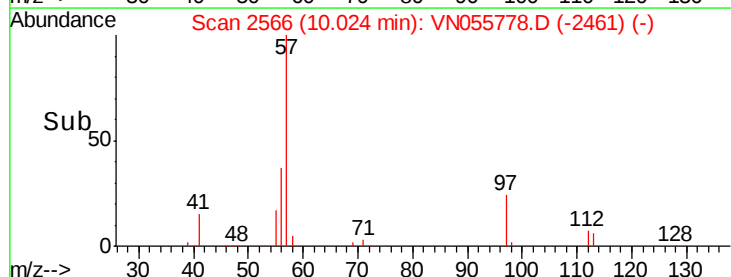
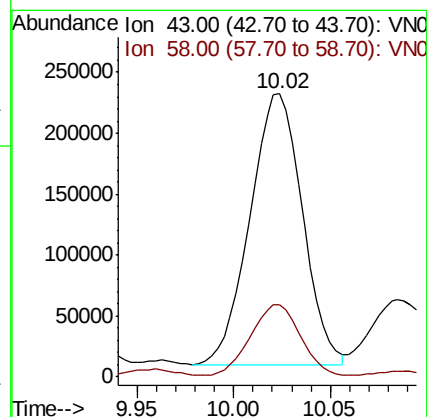
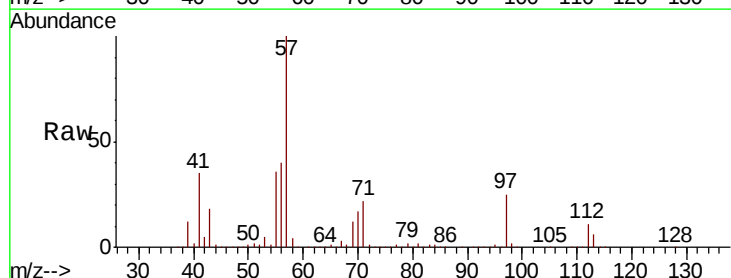
Acq: 24 May 2019 1:33

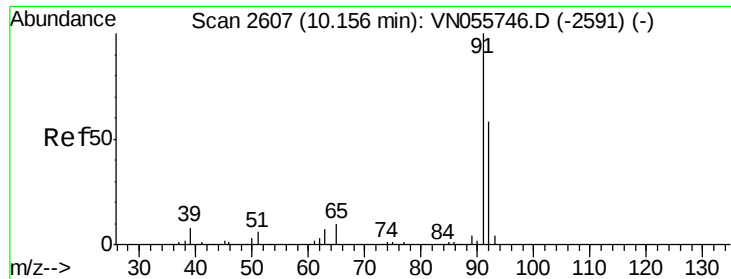
Tgt Ion: 43 Resp: 419744

Ion Ratio Lower Upper

43 100

58 24.8 32.1 48.1#





#52

Toluene

Concen: 17.403 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

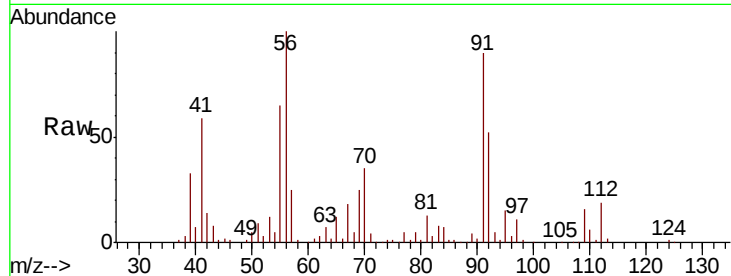
ClientSampleId :

Tot Ion: 92 Resp: 153225

Ion Ratio Lower Upper

92 100

91 173.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

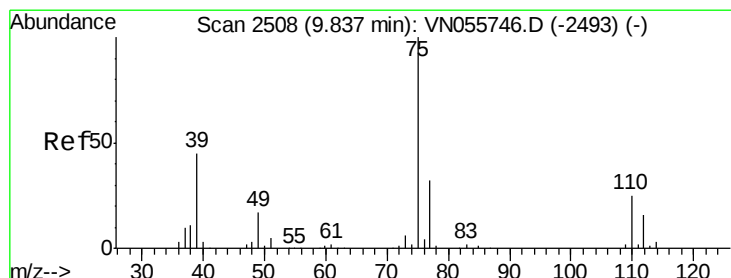
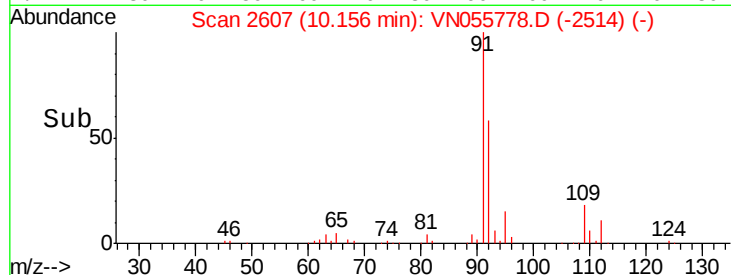
50000

0

10.10

10.20

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.299 ug/l

RT: 9.87 min Scan# 2518

Delta R.T. 0.03 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

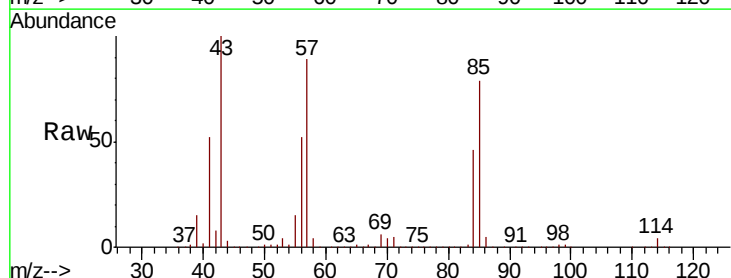
Tgt Ion: 75 Resp: 1733

Ion Ratio Lower Upper

75 100

77 1094.2 25.4 38.0#

39 68997.8 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

600000

500000

400000

300000

200000

100000

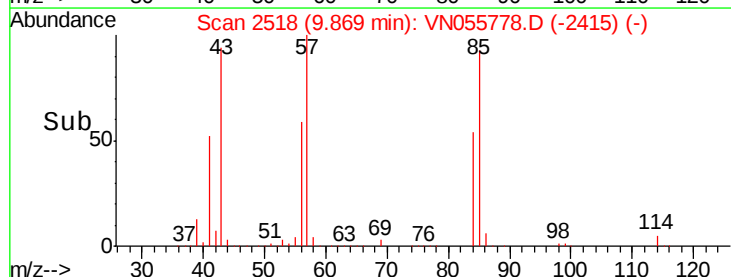
0

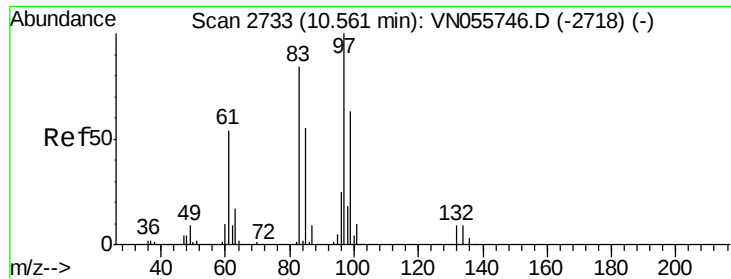
9.80

9.85

9.90

Time-->

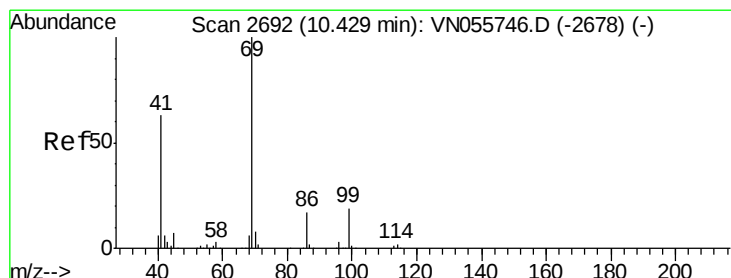
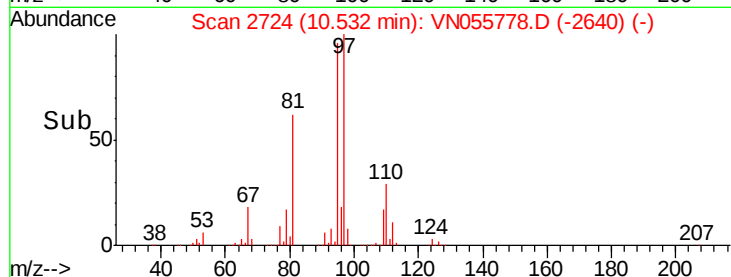
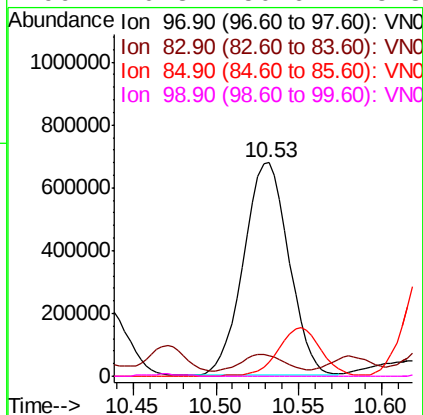
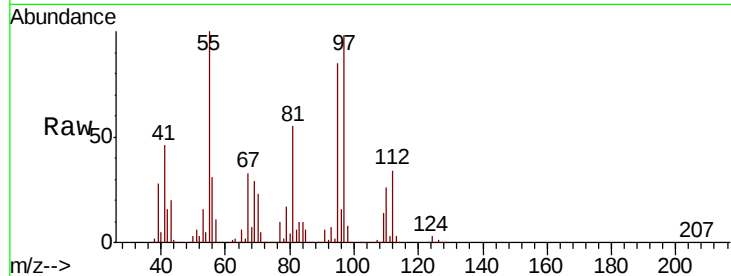




#55
 1,1,2-Trichloroethane
 Concen: 363.479 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

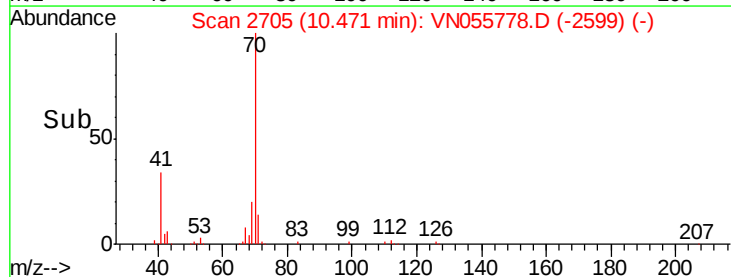
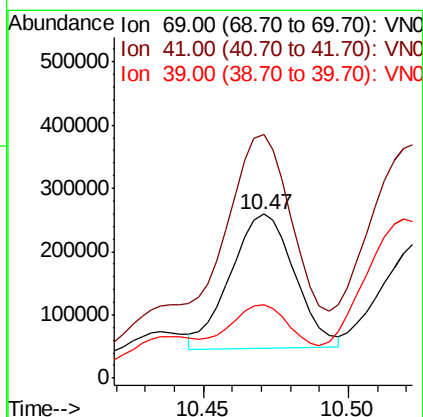
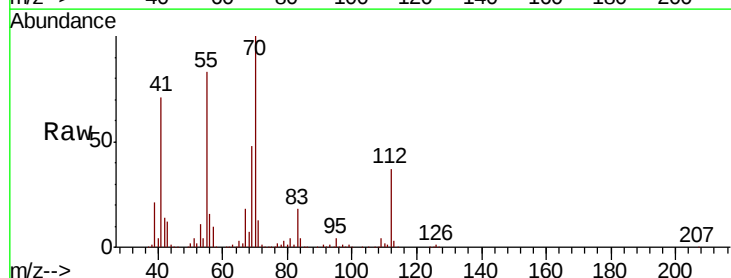
Instrument :
 MSVOA_N
 ClientSampleId :

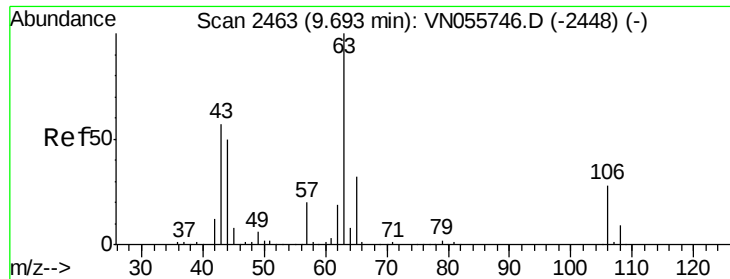
Tot Ion: 97 Resp: 1282048
 Ion Ratio Lower Upper
 97 100
 83 2.5 67.0 100.6#
 85 6.2 44.0 66.0#
 99 0.3 50.6 75.8#



#56
 Ethyl methacrylate
 Concen: 59.426 ug/l
 RT: 10.47 min Scan# 2705
 Delta R.T. 0.04 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

Tgt Ion: 69 Resp: 323939
 Ion Ratio Lower Upper
 69 100
 41 214.7 49.7 74.5#
 39 44.7 24.7 37.1#





#58

2-Chloroethyl Vinyl ether

Concen: 12.680 ug/l

RT: 9.67 min Scan# 2456

Delta R.T. -0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

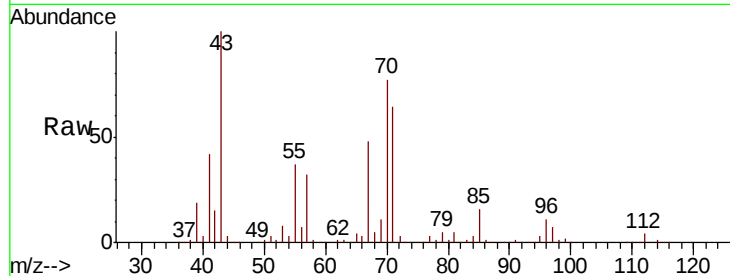
ClientSampleId :

Tot Ion: 63 Resp: 26416

Ion Ratio Lower Upper

63 100

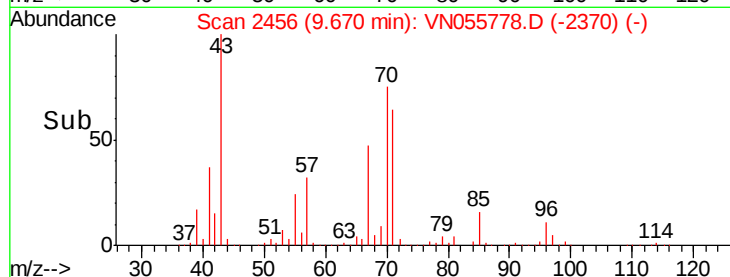
106 0.0 22.7 34.1#



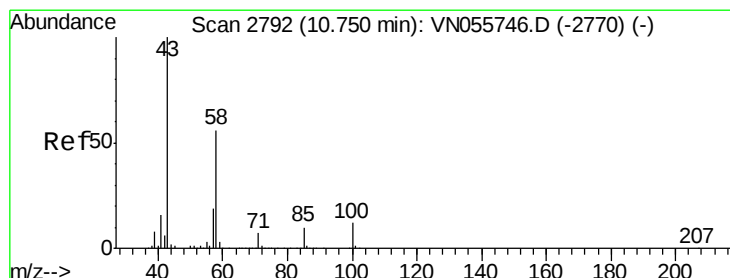
Abundance Ion 62.90 (62.60 to 63.60): VN055778.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN055778.D (-2370) (-)

Time-->



Time-->



#59

2-Hexanone

Concen: 330.904 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN055778.D

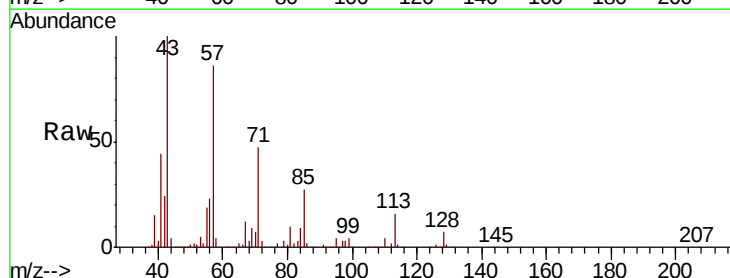
Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 1045765

Ion Ratio Lower Upper

43 100

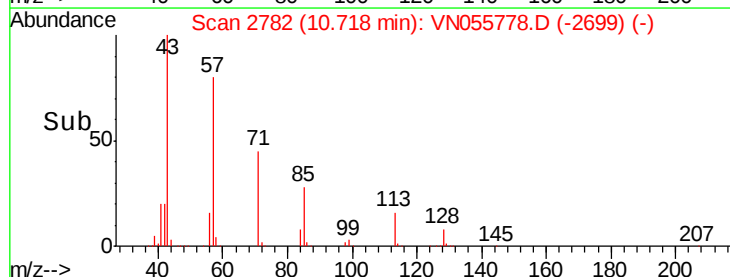
58 4.3 28.2 84.7#



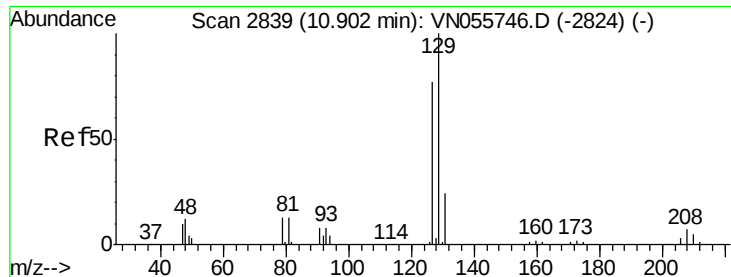
Abundance Ion 43.00 (42.70 to 43.70): VN055778.D (-2699) (-)

Ion 58.00 (57.70 to 58.70): VN055778.D (-2699) (-)

Time-->



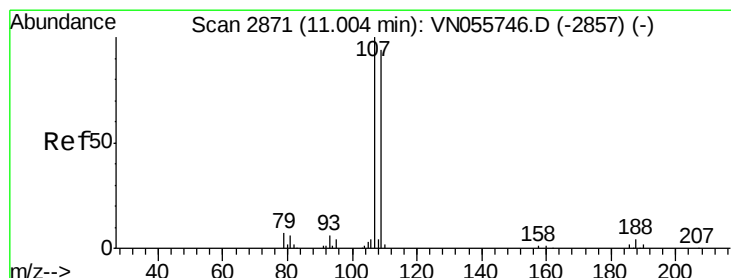
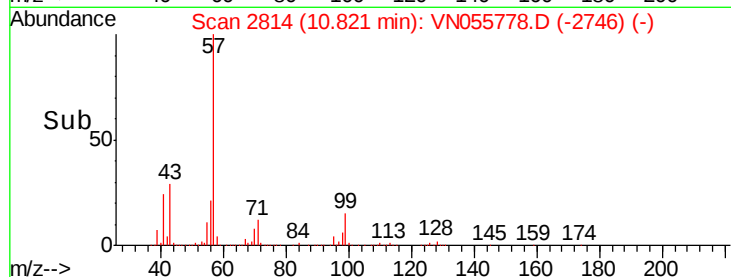
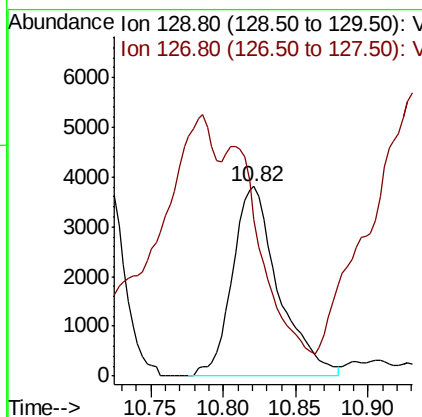
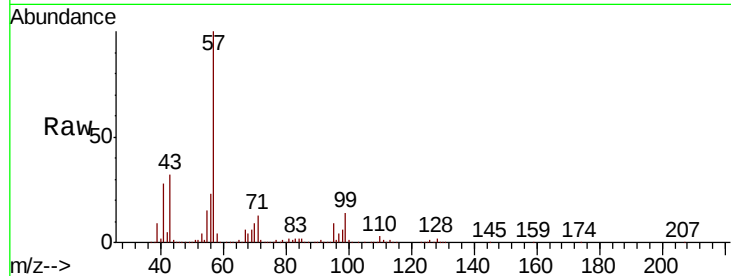
Time-->



#60
 Dibromochloromethane
 Concen: 2.056 ug/l
 RT: 10.82 min Scan# 2814
 Delta R.T. -0.08 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

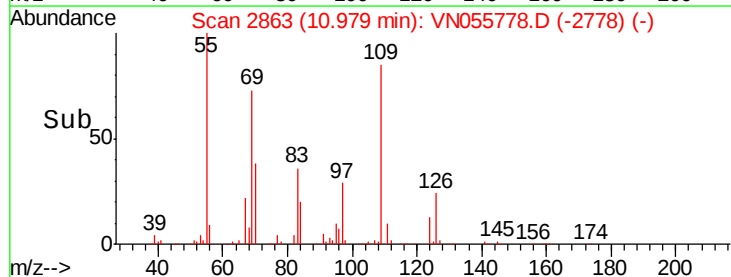
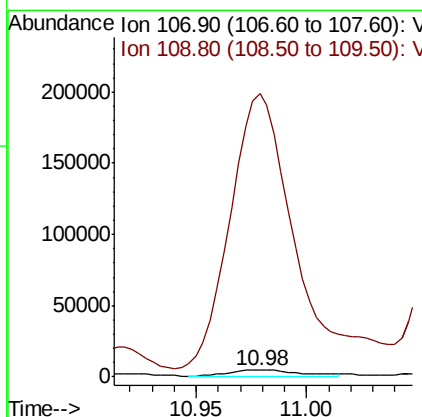
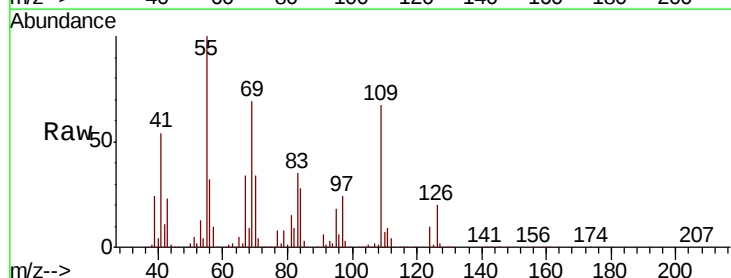
Instrument :
 MSVOA_N
 ClientSampled :

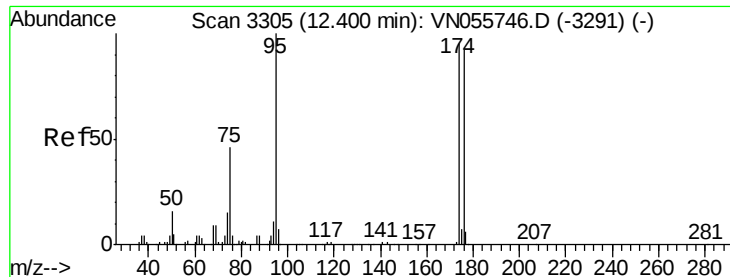
Tot Ion:129 Resp: 8447
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.1 114.3#



#61
 1,2-Dibromoethane
 Concen: 2.405 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.03 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

Tgt Ion:107 Resp: 8799
 Ion Ratio Lower Upper
 107 100
 109 4519.3 74.8 112.2#

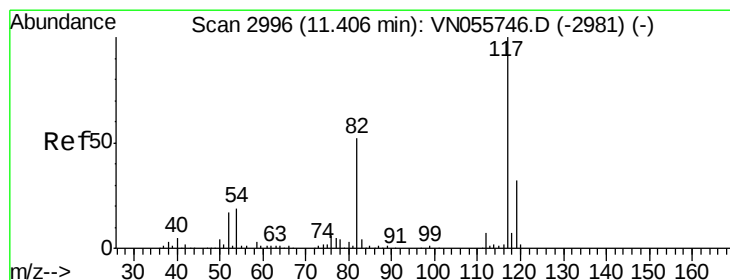
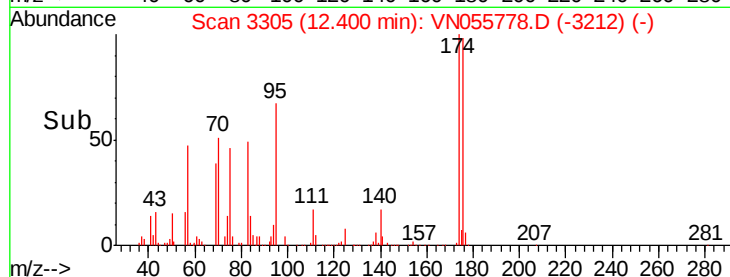
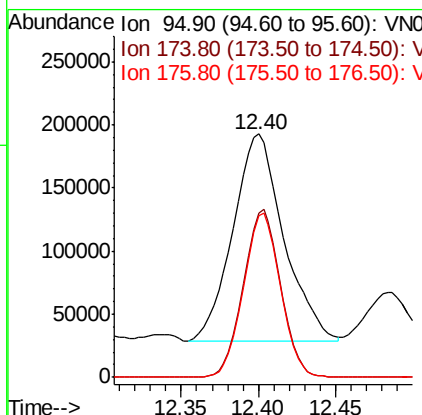
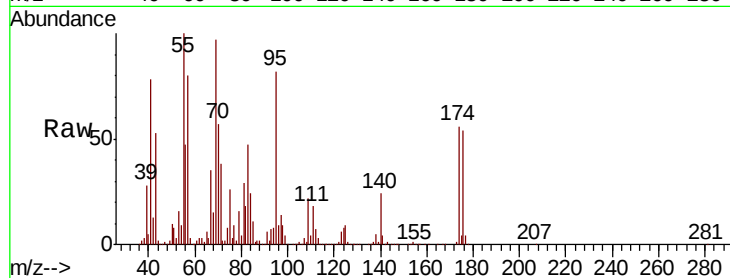




#62
4-Bromofluorobenzene
Concen: 85.210 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

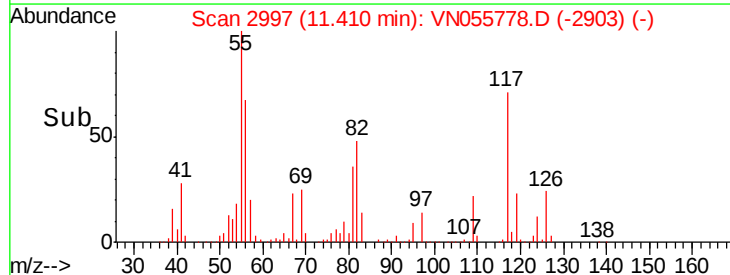
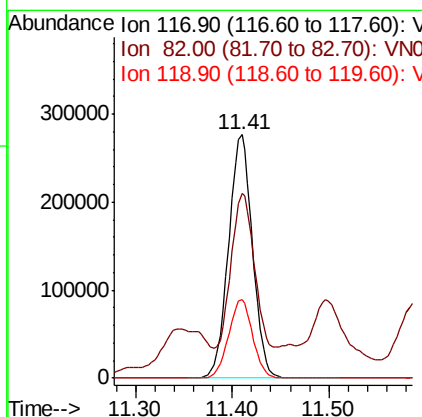
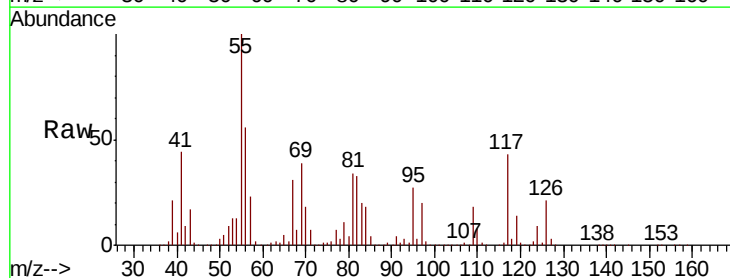
Instrument :
MSVOA_N
ClientSampled :

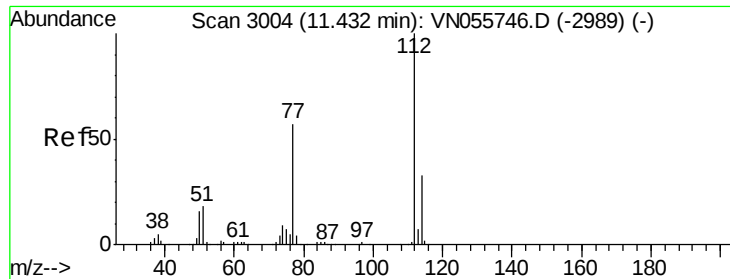
Tot Ion: 95 Resp: 377683
Ion Ratio Lower Upper
95 100
174 59.2 0.0 191.0
176 57.4 0.0 185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

Tgt Ion: 117 Resp: 472990
Ion Ratio Lower Upper
117 100
82 56.7 41.8 62.8
119 32.4 25.4 38.0





#65

Chlorobenzene

Concen: 2.295 ug/l

RT: 11.54 min Scan# 3038

Delta R.T. 0.11 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

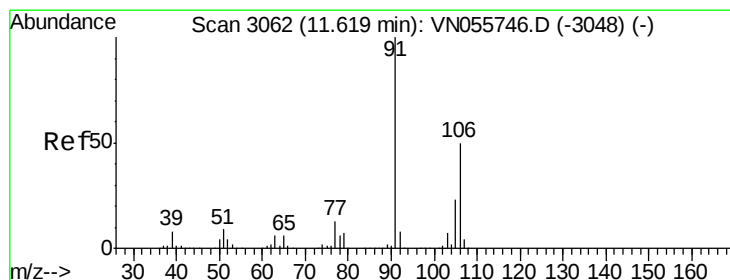
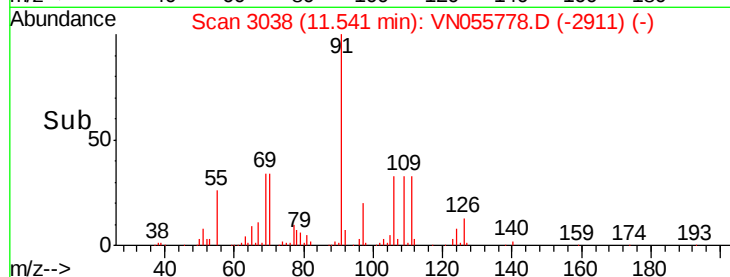
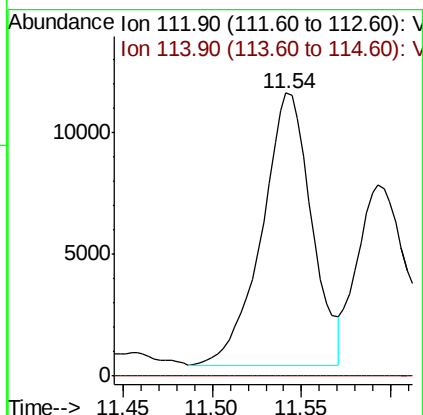
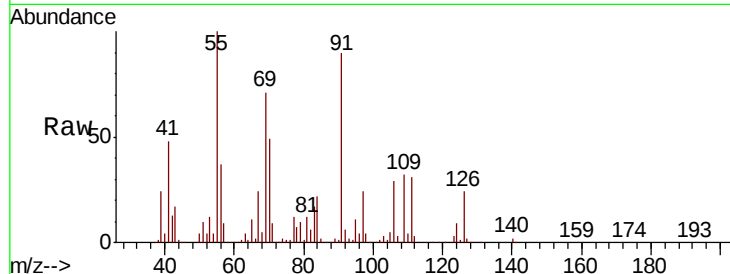
ClientSampled :

Tot Ion:112 Resp: 21733

Ion Ratio Lower Upper

112 100

114 0.0 26.2 39.4#



#68

m/p-Xylenes

Concen: 2243.000 ug/l

RT: 11.63 min Scan# 3065

Delta R.T. 0.01 min

Lab File: VN055778.D

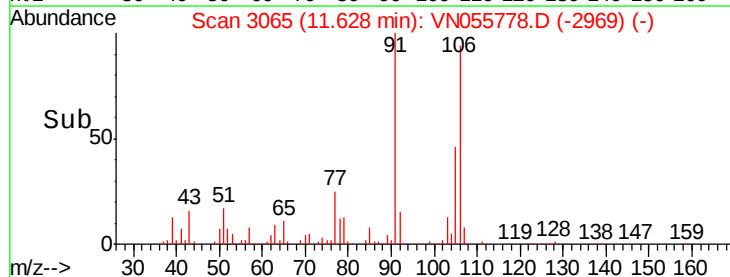
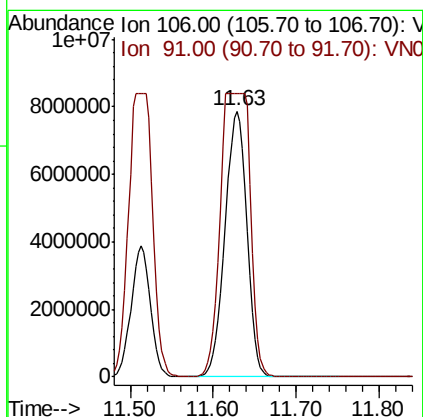
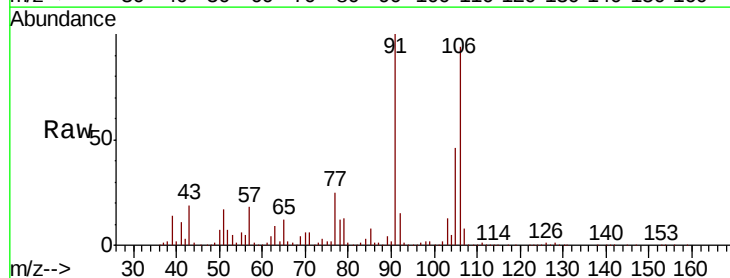
Acq: 24 May 2019 1:33

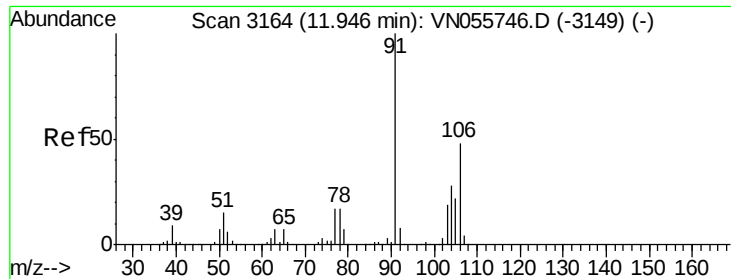
Tgt Ion:106 Resp:14398524

Ion Ratio Lower Upper

106 100

91 0.0 159.3 238.9#

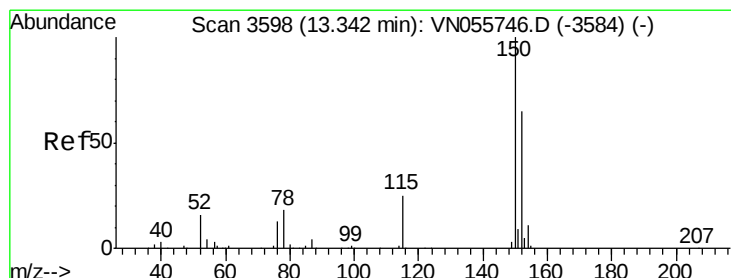
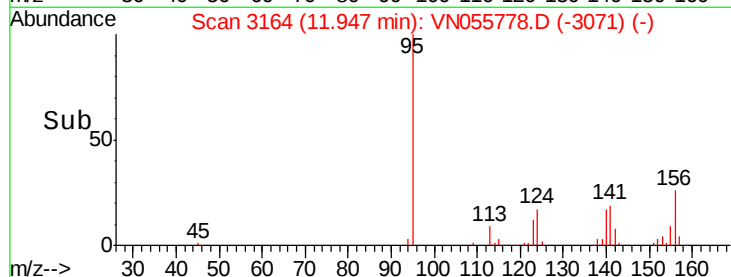
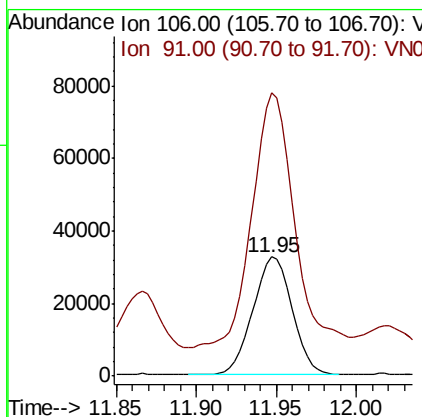
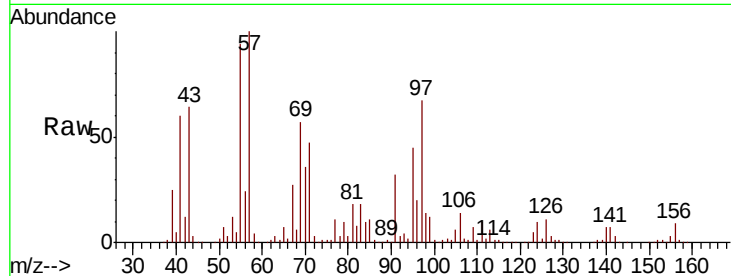




#69
o-Xylene
Concen: 8.611 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

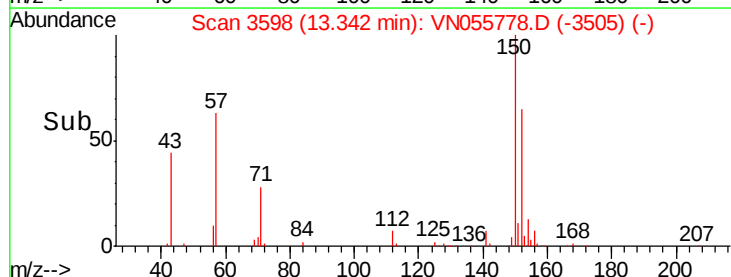
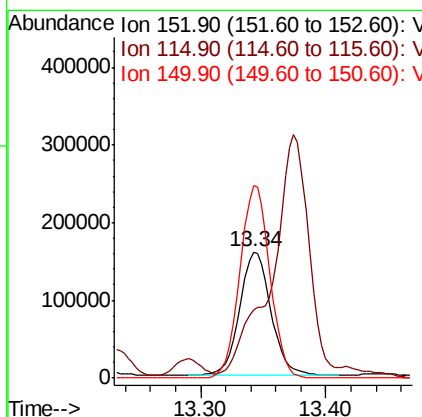
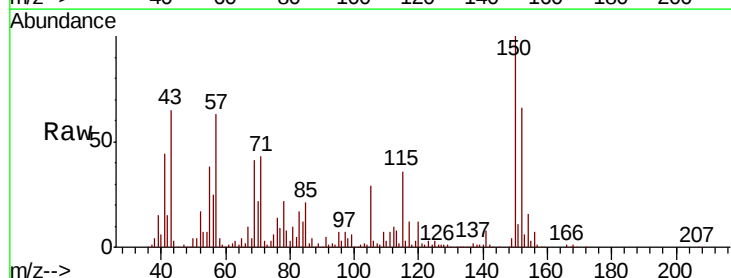
Instrument :
MSVOA_N
ClientSampled :

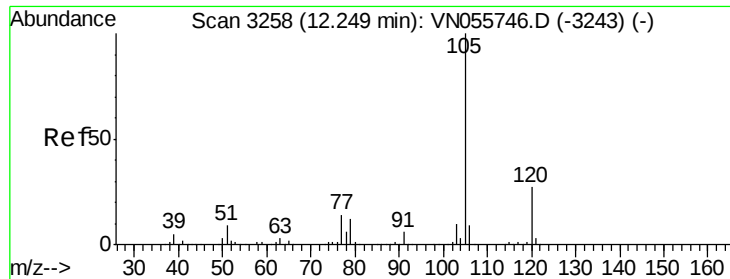
Tot Ion:106 Resp: 54844
Ion Ratio Lower Upper
106 100
91 232.6 104.7 314.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

Tgt Ion:152 Resp: 276296
Ion Ratio Lower Upper
152 100
115 0.0 27.0 81.0#
150 147.9 0.0 343.2





#73

Isopropylbenzene

Concen: 441.467 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

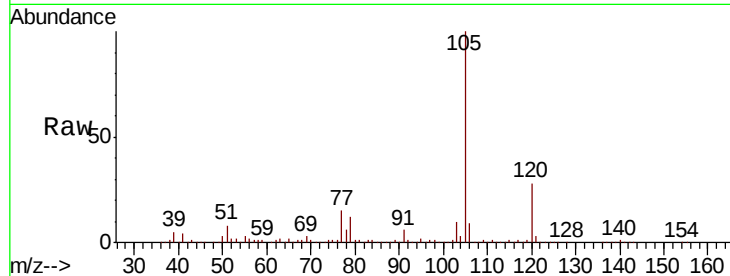
ClientSampled :

Tot Ion:105 Resp: 8266184

Ion Ratio Lower Upper

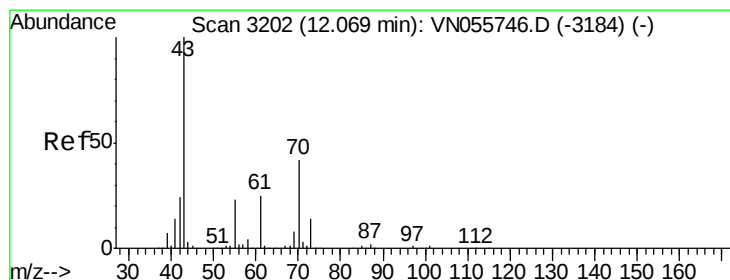
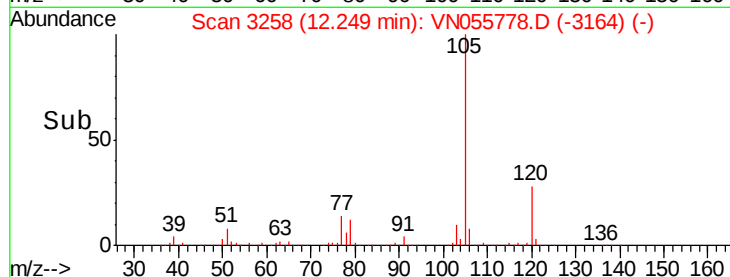
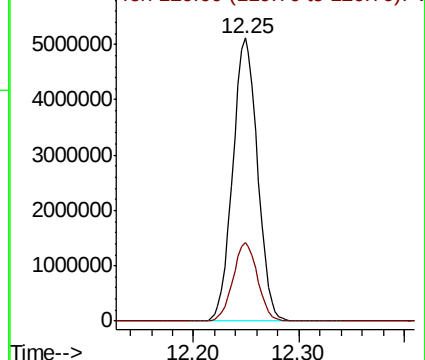
105 100

120 27.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.576 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 406770

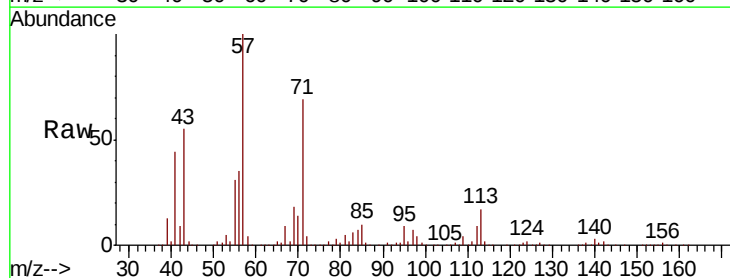
Ion Ratio Lower Upper

43 100

71 13.5 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

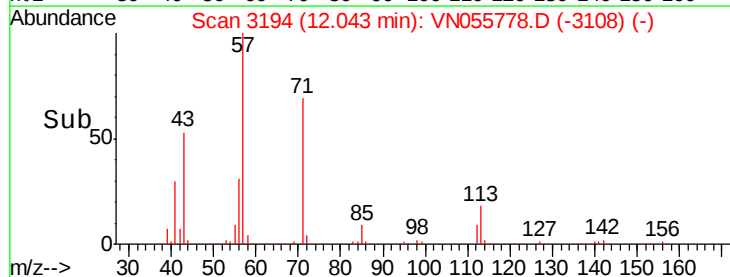
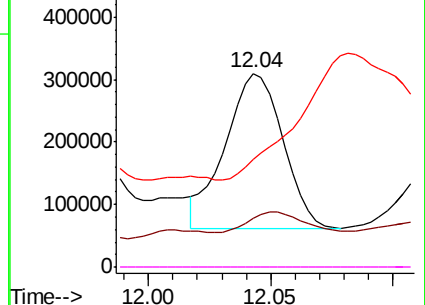


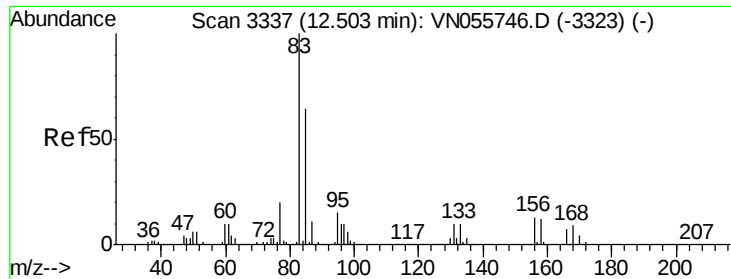
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 3.779 ug/l

RT: 12.54 min Scan# 3350

Delta R.T. 0.04 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

ClientSampled :

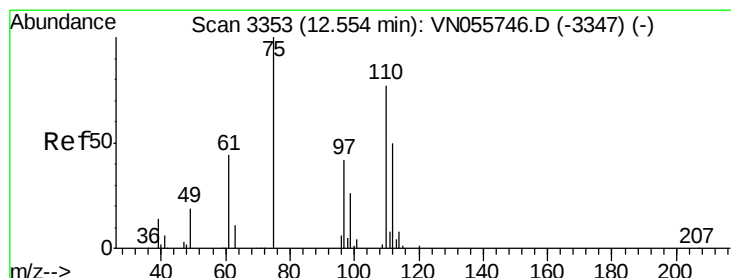
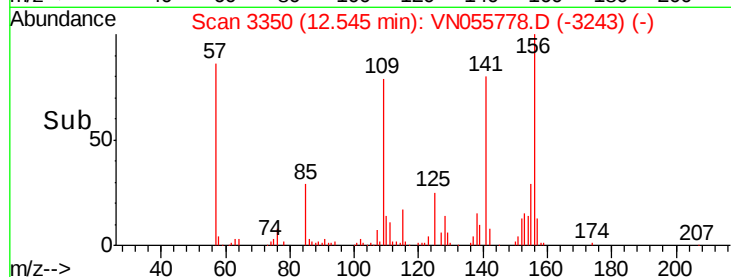
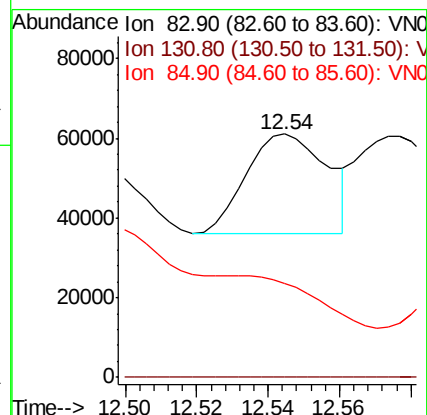
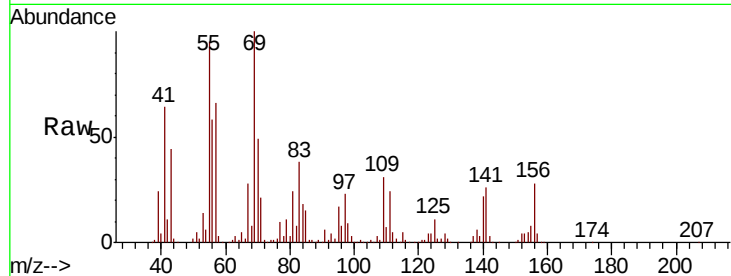
Tot Ion: 83 Resp: 39819

Ion Ratio Lower Upper

83 100

131 0.4 5.4 16.2#

85 0.0 32.4 97.0#



#76

1,2,3-Trichloropropane

Concen: Below Cal

RT: 12.53 min Scan# 3346

Delta R.T. -0.02 min

Lab File: VN055778.D

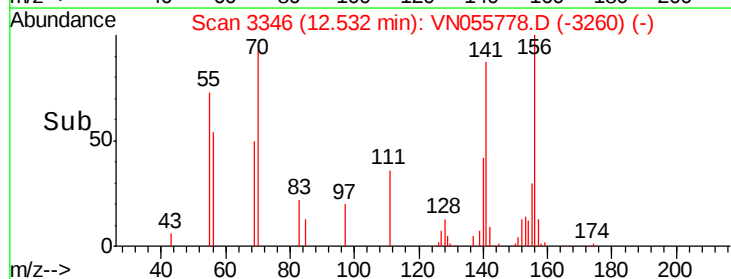
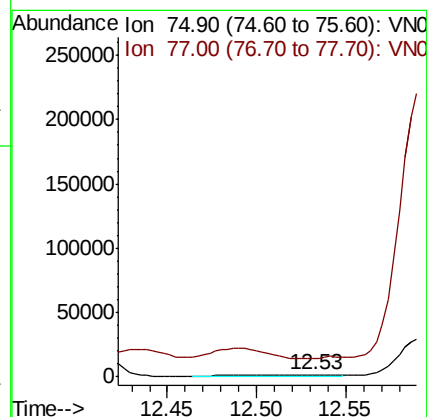
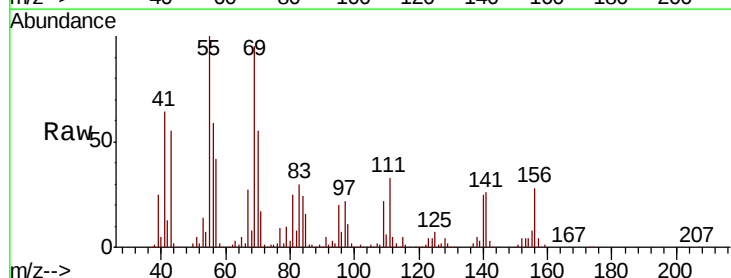
Acq: 24 May 2019 1:33

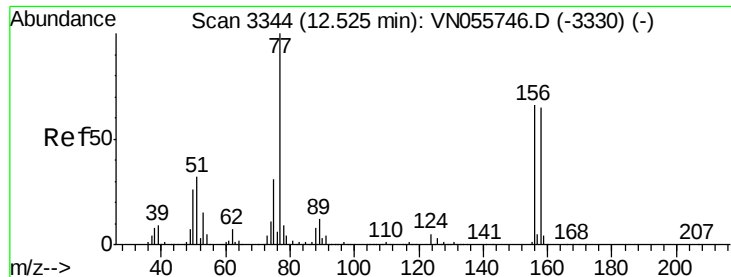
Tgt Ion: 75 Resp: 5116

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.715 ug/l

RT: 12.54 min Scan# 3349

Delta R.T. 0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

ClientSampled :

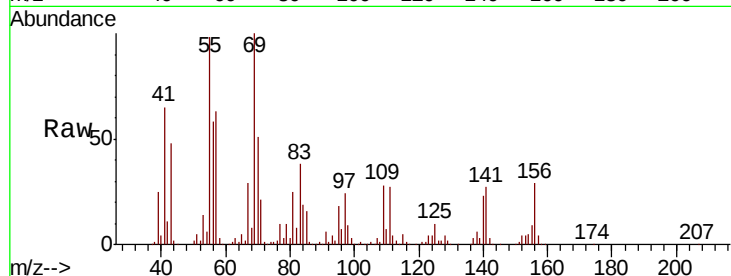
Tot Ion:156 Resp: 287218

Ion Ratio Lower Upper

156 100

77 0.0 90.8 272.5#

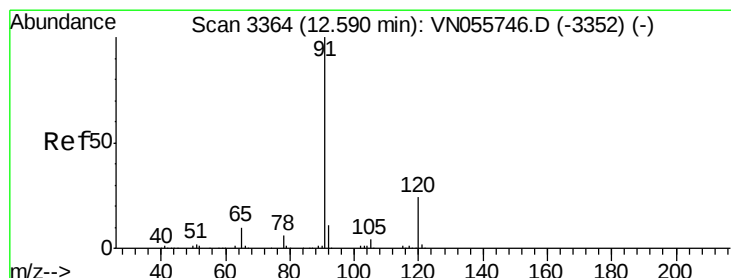
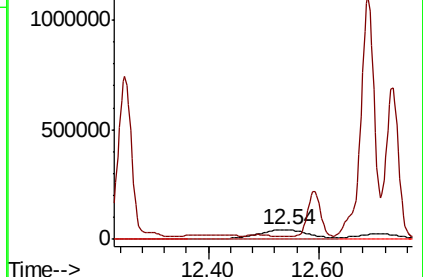
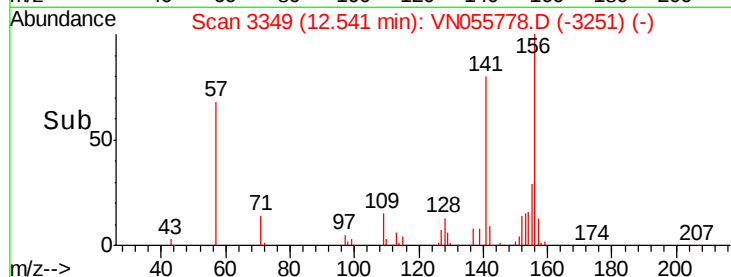
158 0.2 49.3 147.8#



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: 365.120 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055778.D

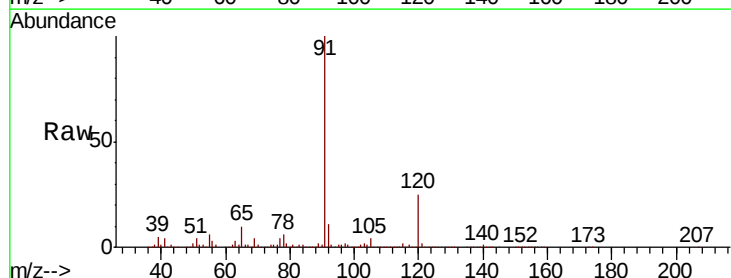
Acq: 24 May 2019 1:33

Tgt Ion: 91 Resp: 8767969

Ion Ratio Lower Upper

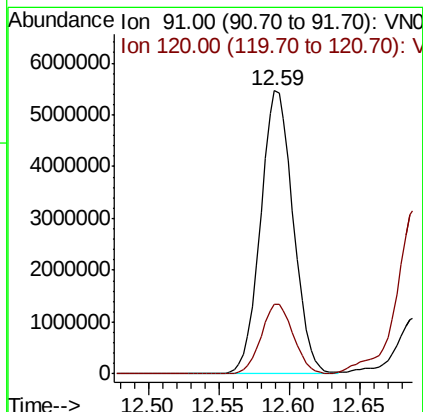
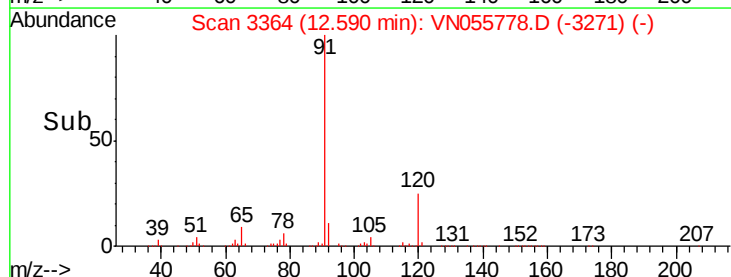
91 100

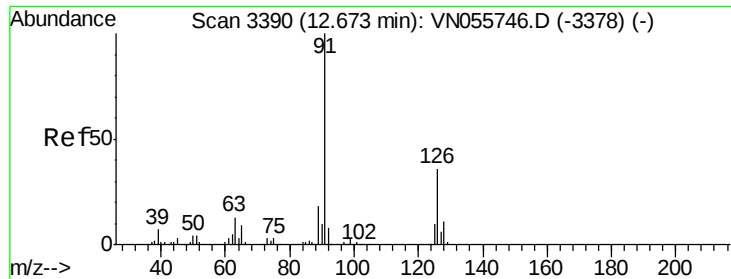
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

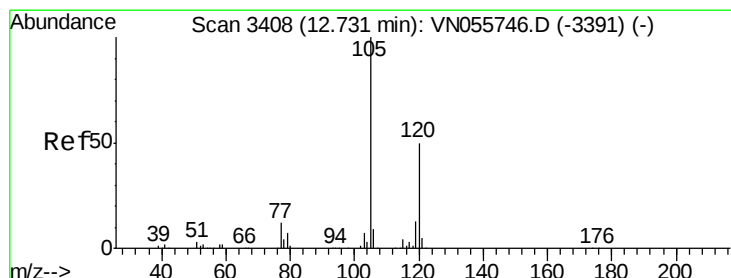
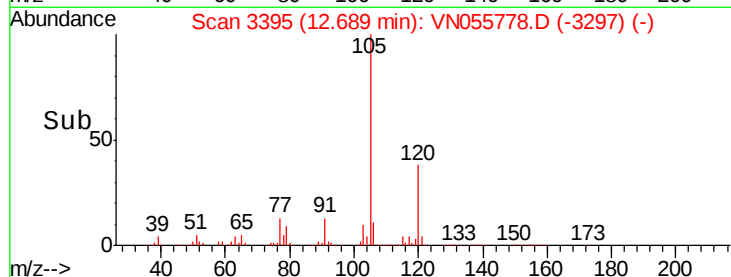
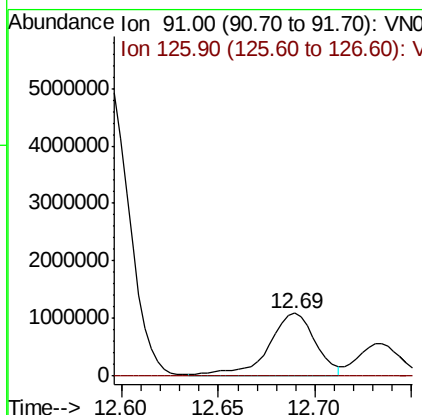
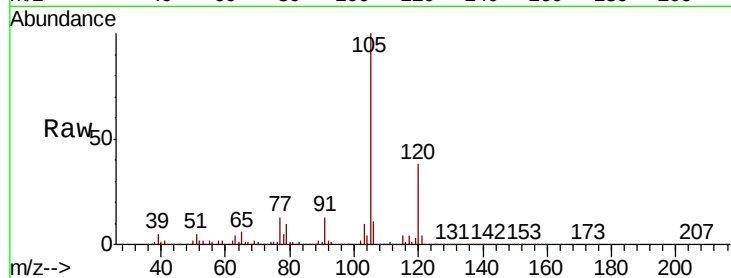




#79
 2-Chlorotoluene
 Concen: 146.746 ug/l
 RT: 12.69 min Scan# 3395
 Delta R.T. 0.02 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

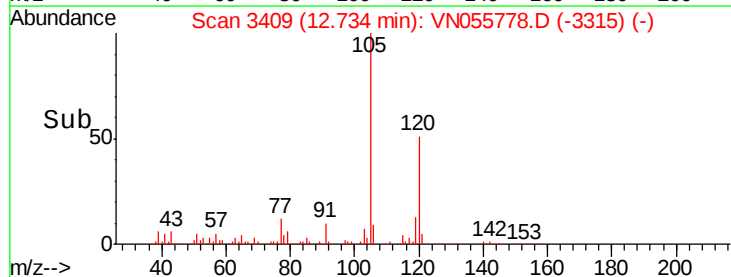
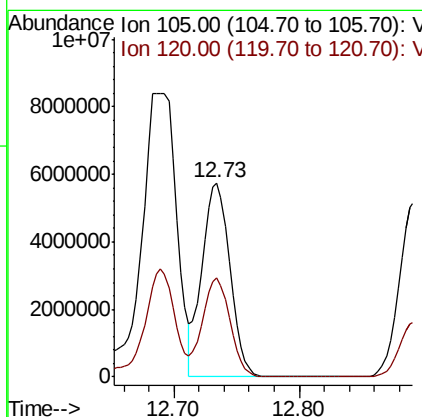
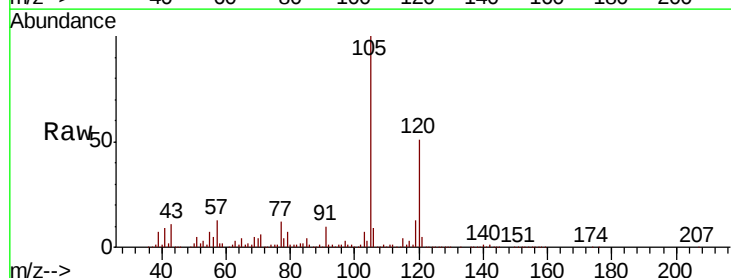
Instrument :
 MSVOA_N
 ClientSampled :

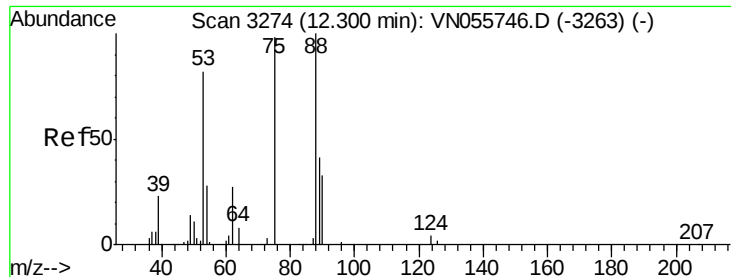
Tot Ion: 91 Resp: 1834343
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 565.738 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

Tgt Ion: 105 Resp: 8922378
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.7 74.1

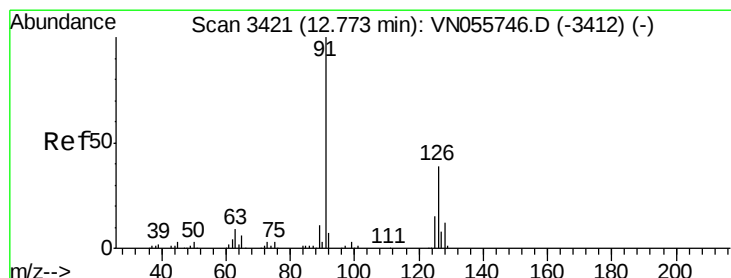
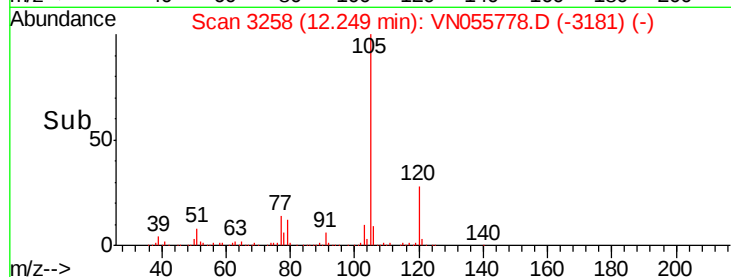
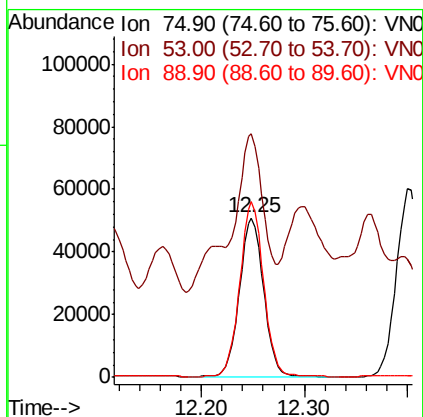
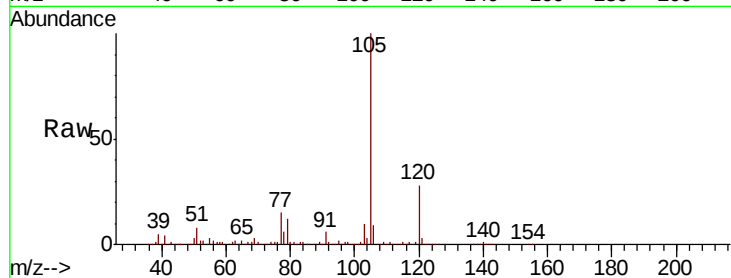




#81
trans-1,4-Dichloro-2-butene
Concen: 40.528 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.05 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

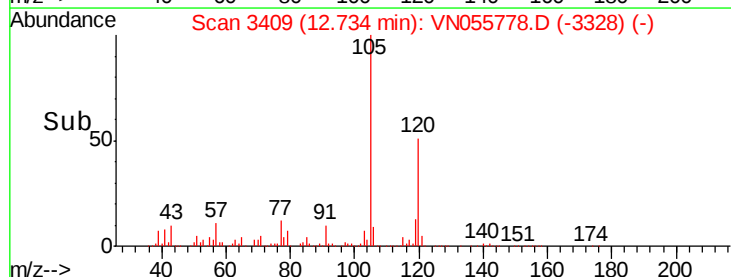
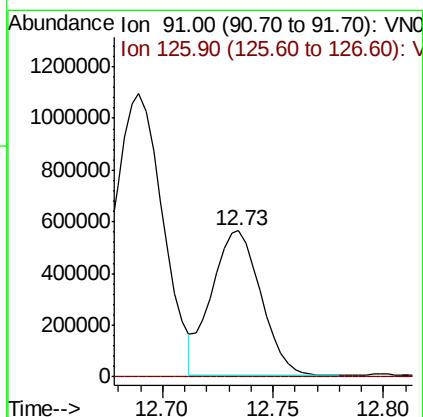
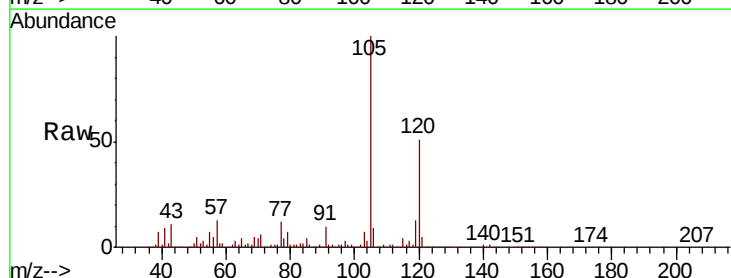
Instrument :
MSVOA_N
ClientSampled :

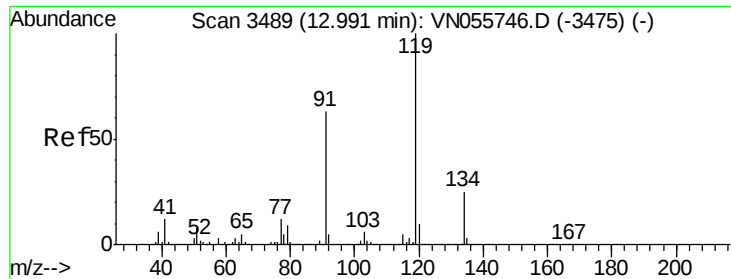
Tot Ion: 75 Resp: 83225
Ion Ratio Lower Upper
75 100
53 74.5 68.1 102.1
89 108.2 36.9 55.3#



#82
4-Chlorotoluene
Concen: 60.951 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.04 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

Tgt Ion: 91 Resp: 860374
Ion Ratio Lower Upper
91 100
126 0.4 17.8 53.3#

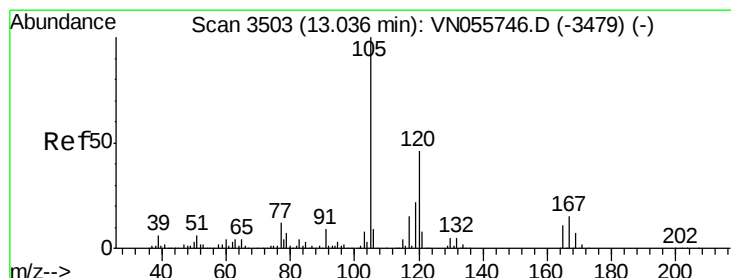
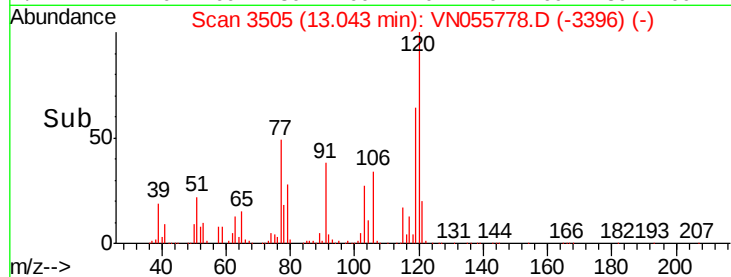
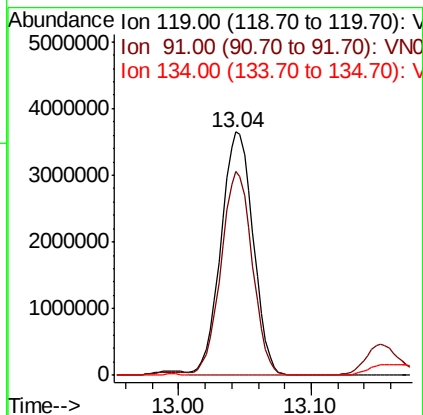
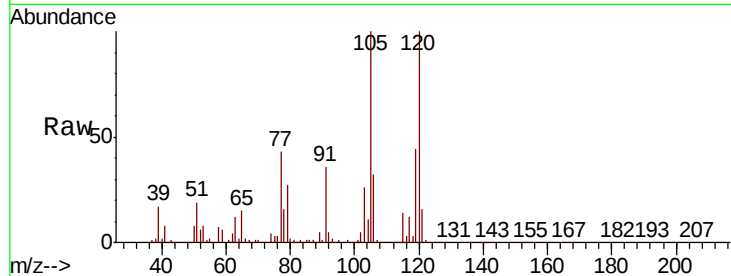




#83
 tert-Butylbenzene
 Concen: 454.777 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.05 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

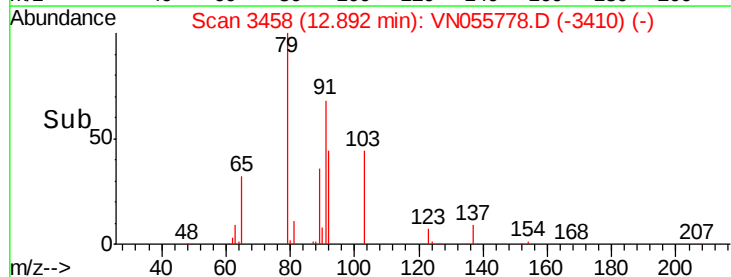
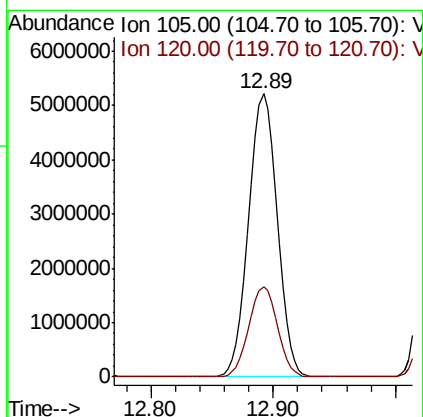
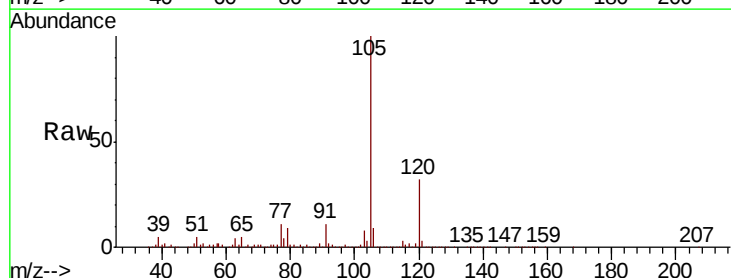
Instrument :
 MSVOA_N
 ClientSampled :

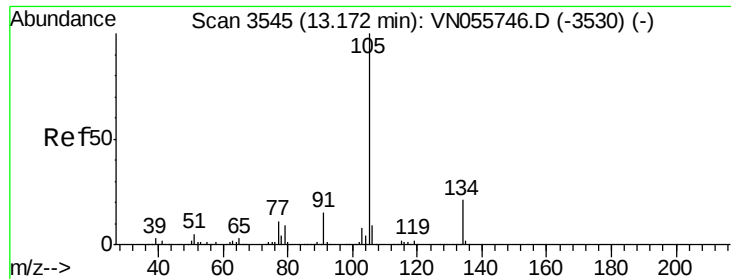
Tot Ion:119 Resp: 6153011
 Ion Ratio Lower Upper
 119 100
 91 80.5 30.9 92.8
 134 0.0 13.3 39.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 531.623 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.14 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

Tgt Ion:105 Resp: 8407975
 Ion Ratio Lower Upper
 105 100
 120 31.8 23.0 69.0





#85

sec-Butylbenzene

Concen: 52.841 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

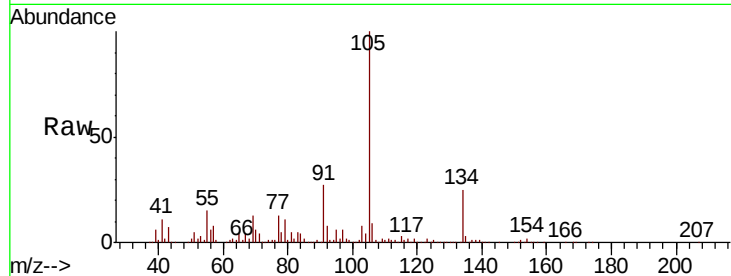
ClientSampleId :

Tot Ion:105 Resp: 980331

Ion Ratio Lower Upper

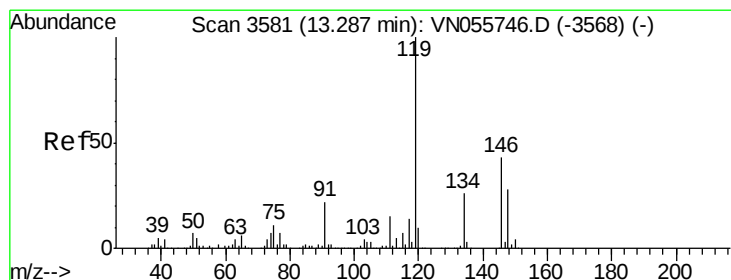
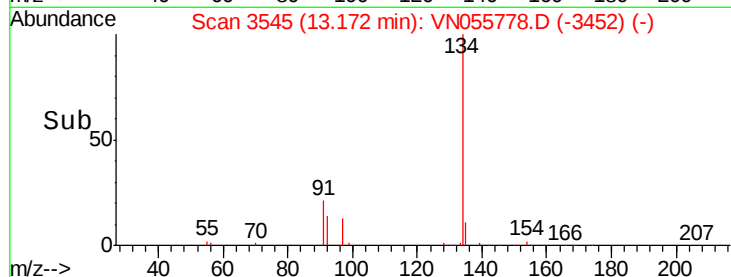
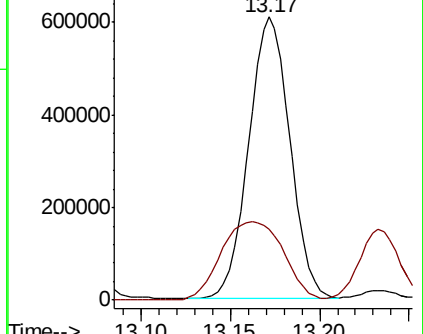
105 100

134 42.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 42.530 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.05 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

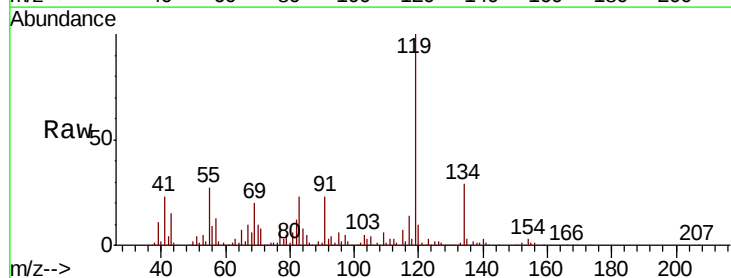
Tgt Ion:119 Resp: 816060

Ion Ratio Lower Upper

119 100

134 29.2 13.4 40.1

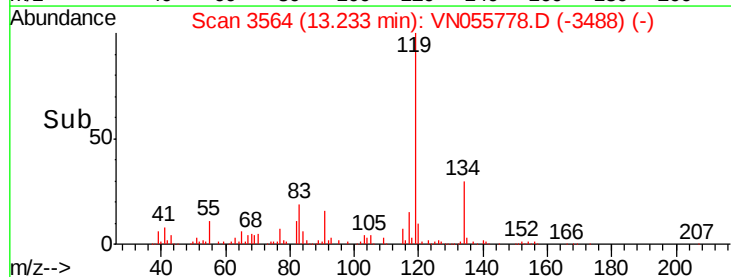
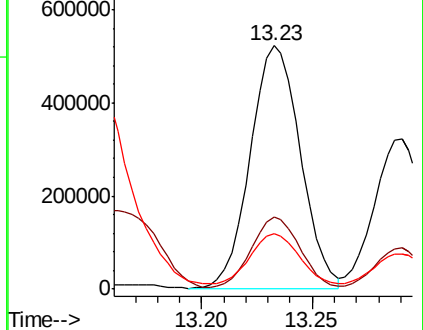
91 19.9 10.9 32.9

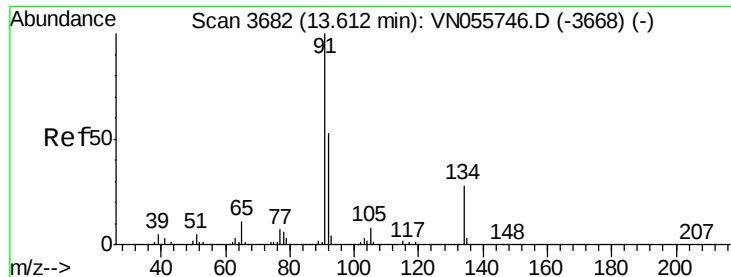


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

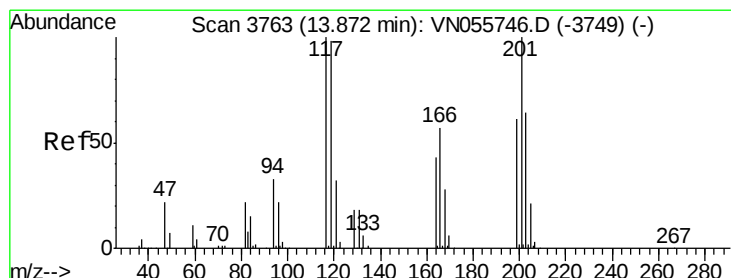
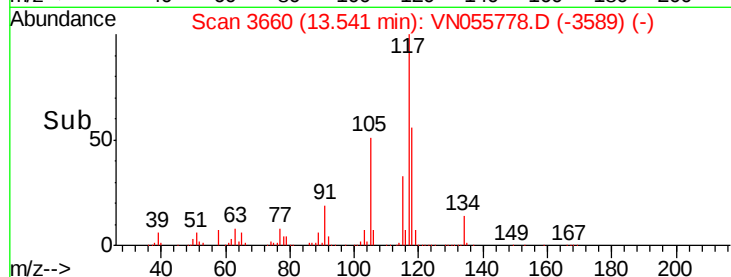
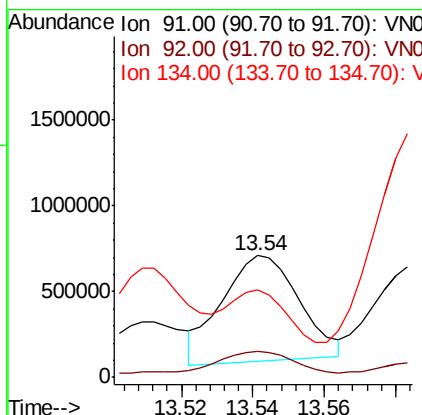
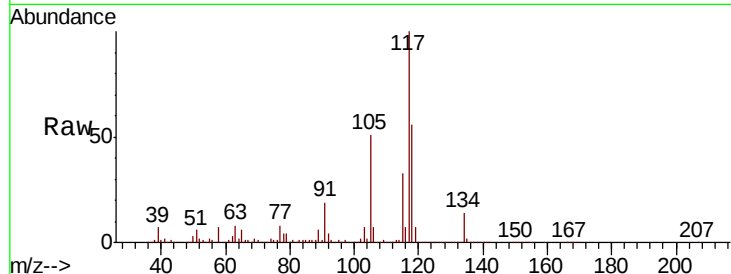




#89
n-Butylbenzene
Concen: 63.317 ug/l
RT: 13.54 min Scan# 3660
Delta R.T. -0.07 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

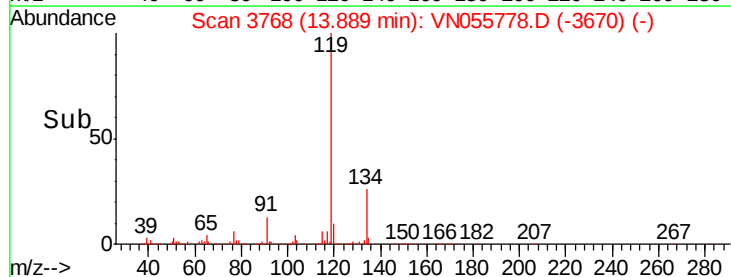
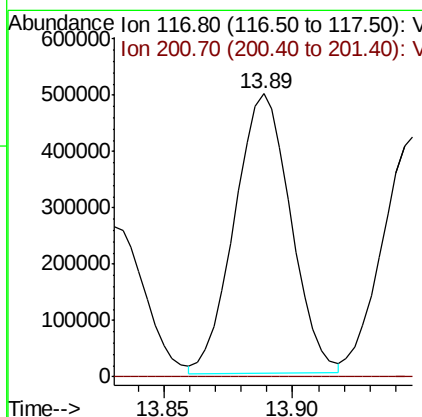
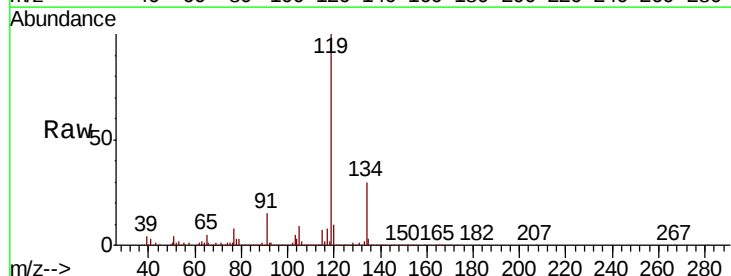
Instrument :
MSVOA_N
ClientSampleId :

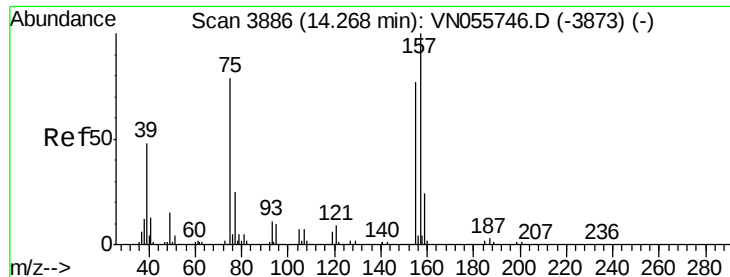
Tot Ion: 91 Resp: 930871
Ion Ratio Lower Upper
91 100
92 30.5 26.4 79.0
134 39.5 13.9 41.7



#90
Hexachloroethane
Concen: 206.886 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.02 min
Lab File: VN055778.D
Acq: 24 May 2019 1:33

Tgt Ion: 117 Resp: 755585
Ion Ratio Lower Upper
117 100
201 0.0 50.0 150.0#

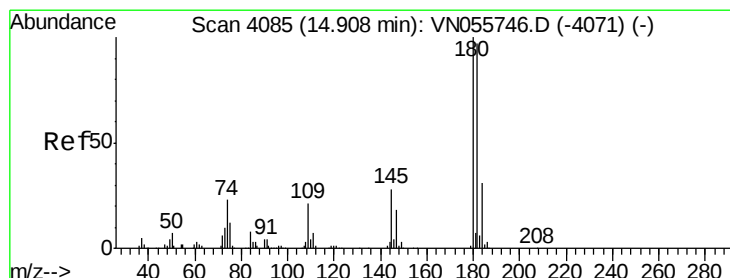
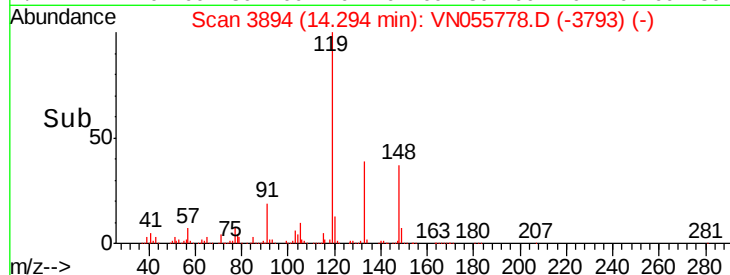
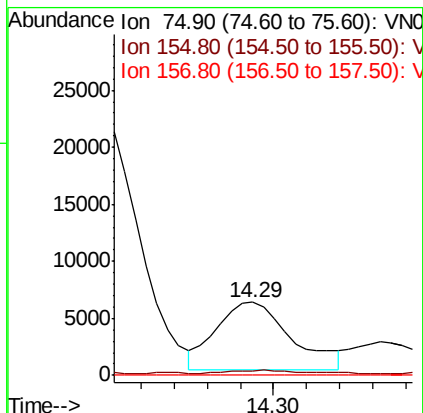
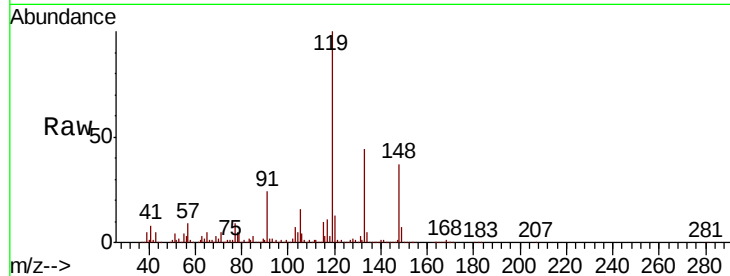




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.634 ug/l
 RT: 14.29 min Scan# 3894
 Delta R.T. 0.03 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

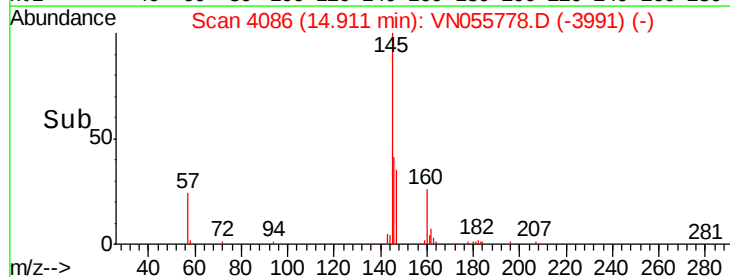
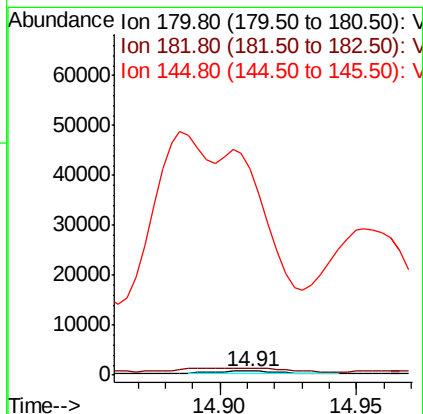
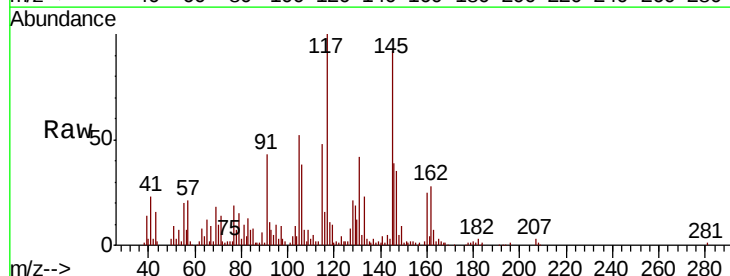
Instrument :
 MSVOA_N
 ClientSampled :

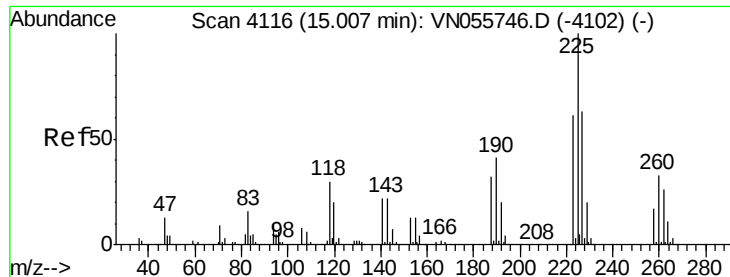
Tot Ion: 75 Resp: 9346
 Ion Ratio Lower Upper
 75 100
 155 4.0 50.0 150.1#
 157 0.0 64.8 194.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.778 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055778.D
 Acq: 24 May 2019 1:33

Tgt Ion: 180 Resp: 817
 Ion Ratio Lower Upper
 180 100
 182 262.8 48.3 144.9#
 145 0.0 14.0 41.9#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055778.D

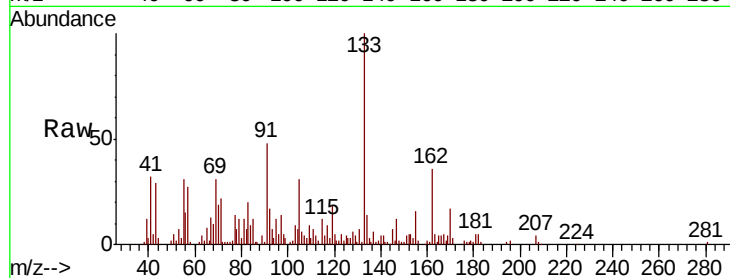
Acq: 24 May 2019 1:33

Instrument :

MSVOA_N

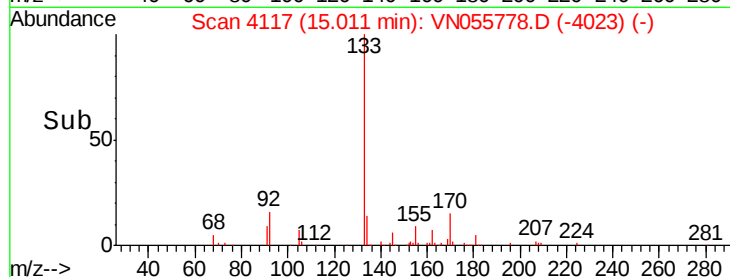
ClientSampleId :

Tot Ion:	225	Resp:	59
Ion	Ratio	Lower	Upper
225	100		
223	0.0	30.9	92.7#
227	0.0	31.6	94.7#

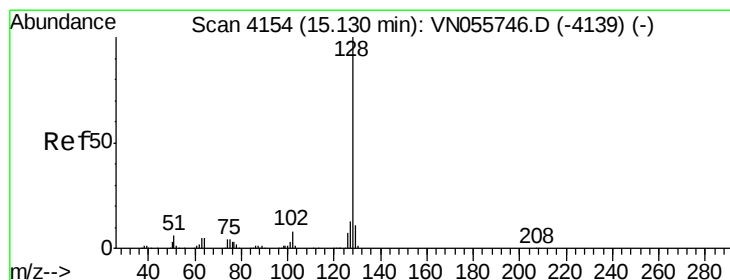


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

15.01



Time-->



#95

Naphthalene

Concen: 473.651 ug/l

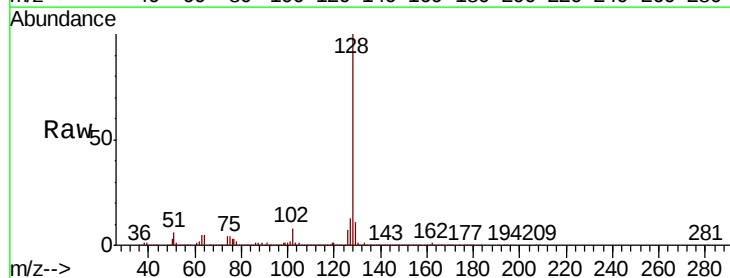
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055778.D

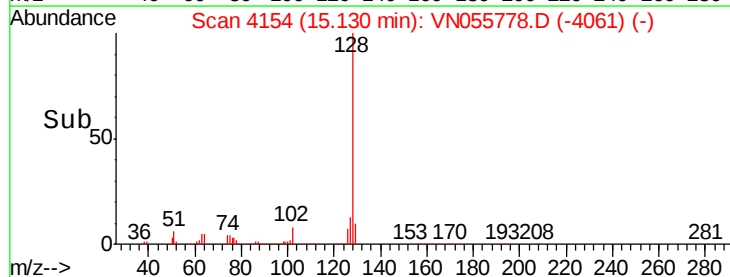
Acq: 24 May 2019 1:33

Tgt Ion:	128	Resp:	6053818
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.13



Time-->