

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057643.D
 Acq On : 1 Sep 2019 14:47
 Operator : JC/SP
 Sample : K4527-35
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-O-(0)

Quant Time: Sep 02 01:54:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	180396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	308600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	271431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	94231	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	222477	54.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.18%	
35) Dibromofluoromethane	7.58	113	136379	50.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.22%	
50) Toluene-d8	10.08	98	539043	52.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.40	95	162525	41.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	880	0.265	ug/l #	88
5) Bromomethane	2.51	94	1019	0.618	ug/l	82
10) Methyl Iodide	3.93	142	723	0.302	ug/l #	56
11) Tert butyl alcohol	4.72	59	6195	14.494	ug/l #	81
13) Acrolein	3.59	56	94	0.553	ug/l #	1
16) Acetone	3.81	43	12258	10.733	ug/l	93
17) Carbon Disulfide	4.02	76	1445	0.266	ug/l #	43
18) Methyl Acetate	4.31	43	7720	1.969	ug/l #	75
20) Methylene Chloride	4.52	84	6007	2.125	ug/l	95
25) 2-Butanone	6.82	43	728	0.383	ug/l	91
31) Cyclohexane	7.65	56	5821	1.078	ug/l #	25
36) 1,1-Dichloropropene	7.65	75	19488	4.763	ug/l #	51
38) Carbon Tetrachloride	7.65	117	20582	5.620	ug/l #	15
41) Methacrylonitrile	7.16	41	62	2.310	ug/l #	21
43) Isopropyl Acetate	8.16	43	56373	8.040	ug/l #	94
48) Methyl methacrylate	9.18	41	4387	1.225	ug/l #	15
51) 4-Methyl-2-Pentanone	9.99	43	6750	1.680	ug/l #	88
53) t-1,3-Dichloropropene	10.38	75	130	3.247	ug/l #	45
54) cis-1,3-Dichloropropene	9.90	75	21097	5.783	ug/l #	70
59) 2-Hexanone	10.76	43	54379	18.426	ug/l #	57
60) Dibromochloromethane	10.63	129	572	3.727	ug/l #	11
64) Tetrachloroethene	10.63	164	787	0.335	ug/l #	75
68) m/p-Xylenes	11.63	106	1179	0.253	ug/l #	63
70) Styrene	11.96	104	1121	2.714	ug/l #	78
71) Bromoform	12.40	173	1522	6.975	ug/l #	1
74) N-amyl acetate	12.06	43	2402	0.535	ug/l #	65
76) 1,2,3-Trichloropropane	12.40	75	95439	38.504	ug/l #	100
78) n-propylbenzene	12.59	91	3293	0.311	ug/l	97
79) 2-Chlorotoluene	12.68	91	2200	0.333	ug/l	75
80) 1,3,5-Trimethylbenzene	12.73	105	2116	0.270	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.40	75	95439	131.983	ug/l #	1
82) 4-Chlorotoluene	12.78	91	3046	0.466	ug/l	88
83) tert-Butylbenzene	12.99	119	1516	0.228	ug/l	75
84) 1,2,4-Trimethylbenzene	13.04	105	2530	0.334	ug/l	100

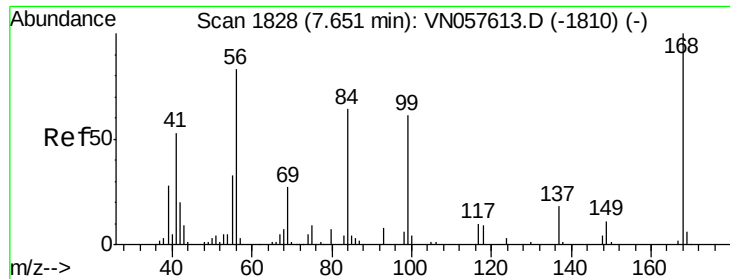
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	2974	0.333	ug/l	97
86) p-Isopropyltoluene	13.29	119	2742	0.371	ug/l	88
87) 1,3-Dichlorobenzene	13.29	146	2847	0.863	ug/l	88
88) 1,4-Dichlorobenzene	13.29	146	2847	0.893	ug/l	86
89) n-Butylbenzene	13.62	91	4896	0.707	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	2793	0.887	ug/l	91
93) 1,2,4-Trichlorobenzene	14.91	180	2345	9.728	ug/l	91
94) Hexachlorobutadiene	15.01	225	1996	1.848	ug/l	90
95) Naphthalene	15.13	128	5336	8.040	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.30	180	2291	9.180	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

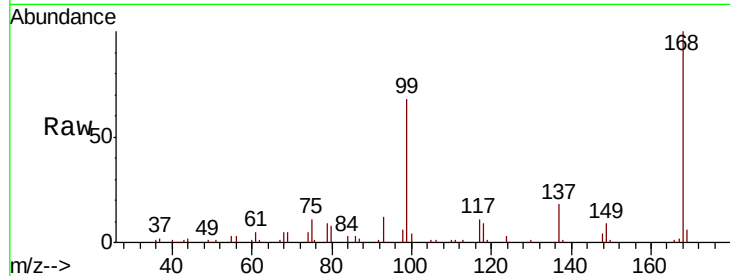
T9-12-13-O-(0)

Tgt Ion:168 Resp: 180396

Ion Ratio Lower Upper

168 100

99 67.7 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN057613.D (-1810) (-)

Ion 98.90 (98.60 to 99.60): VN057613.D (-1810) (-)

7.65

80000

60000

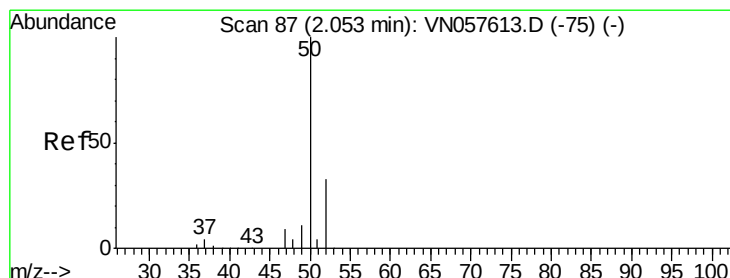
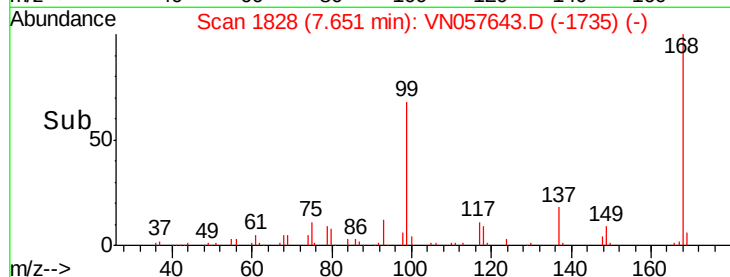
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#3

Chloromethane

Concen: 0.265 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057643.D

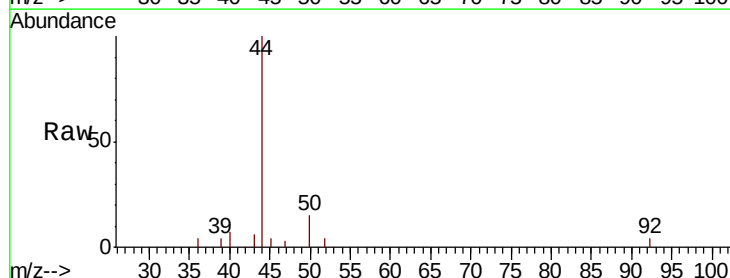
Acq: 1 Sep 2019 14:47

Tgt Ion: 50 Resp: 880

Ion Ratio Lower Upper

50 100

52 26.6 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN057613.D (-75) (-)

Ion 51.90 (51.60 to 52.60): VN057613.D (-75) (-)

2.05

800

600

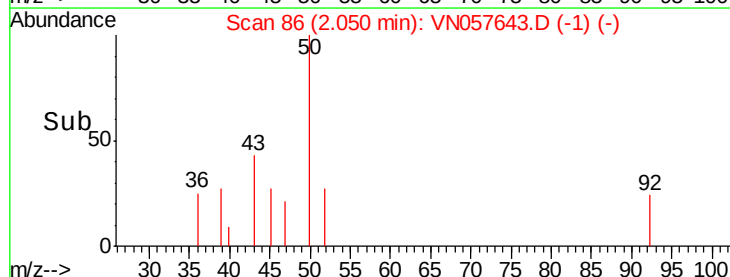
400

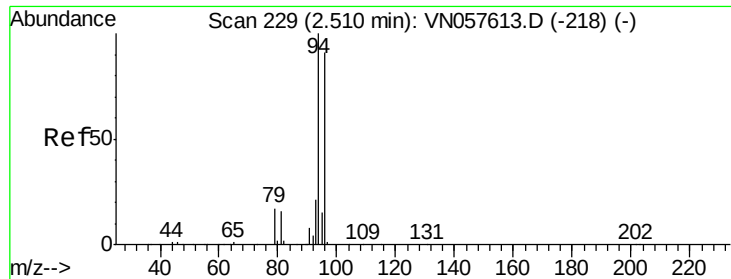
200

0

2.02 2.04 2.06 2.08

Time-->





#5

Bromomethane

Concen: 0.618 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

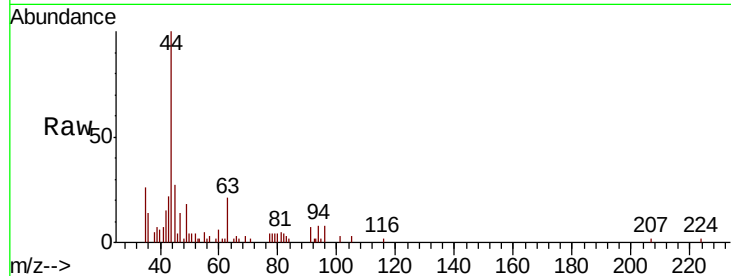
T9-12-13-O-(0)

Tgt Ion: 94 Resp: 1019

Ion Ratio Lower Upper

94 100

96 74.0 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VN057613.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN057613.D (-218) (-)

2.51

600

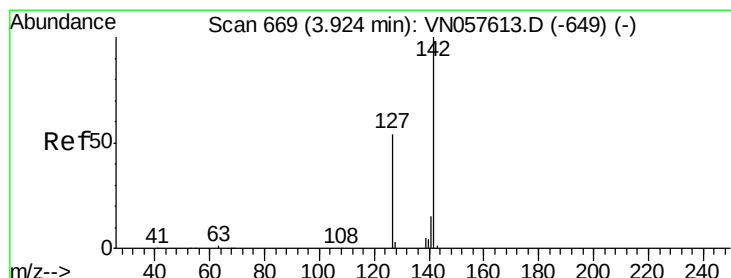
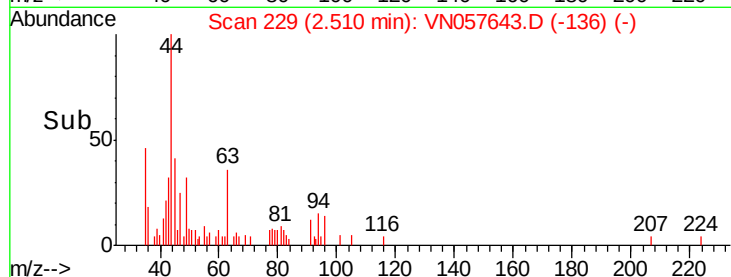
400

200

0

2.48 2.50 2.52 2.54

Time-->



#10

Methyl Iodide

Concen: 0.302 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

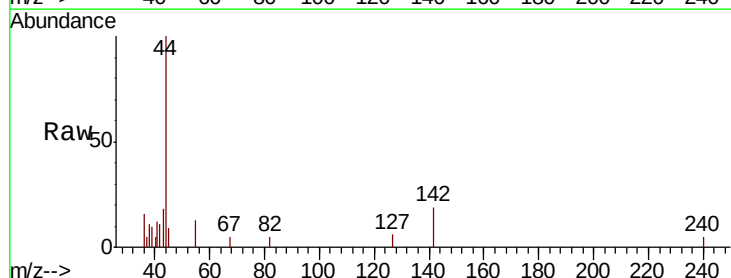
Tgt Ion: 142 Resp: 723

Ion Ratio Lower Upper

142 100

127 21.0 43.0 64.6#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): VN057613.D (-649) (-)

Ion 126.80 (126.50 to 127.50): VN057613.D (-649) (-)

Ion 140.80 (140.50 to 141.50): VN057613.D (-649) (-)

3.93

600

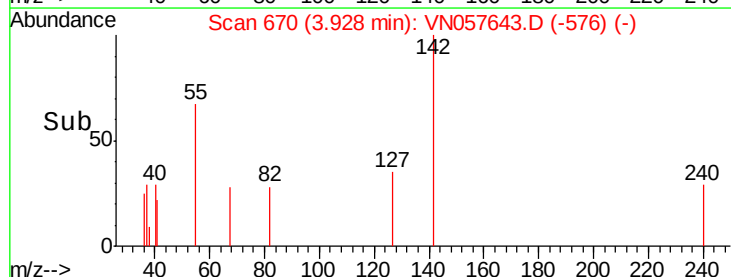
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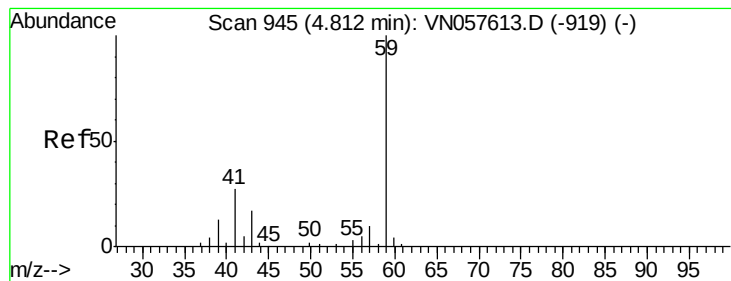
200

0

3.90 3.92 3.94

Time-->



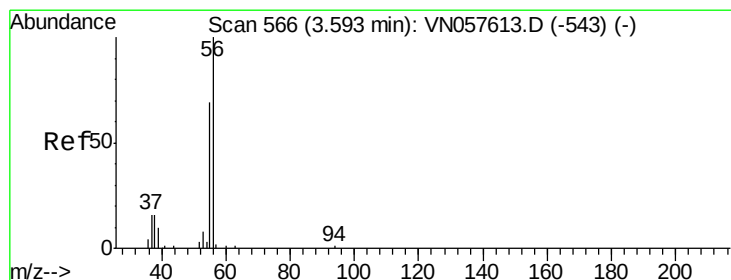
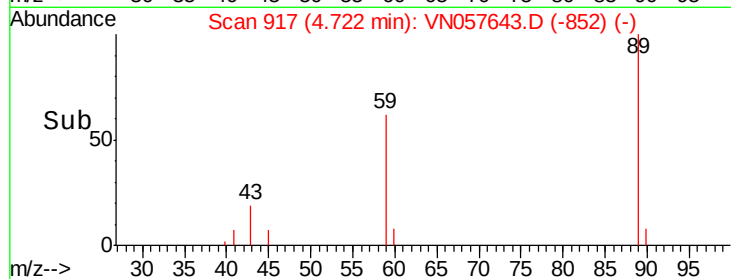
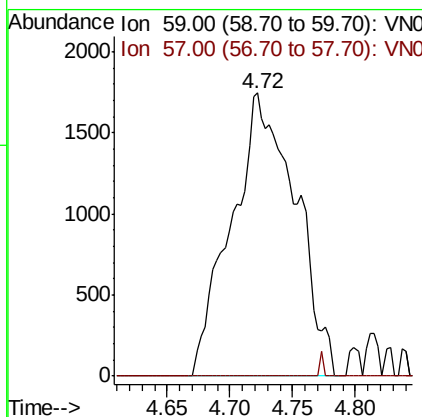
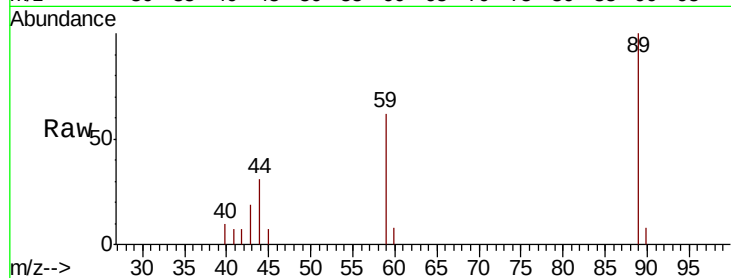


#11

Tert butyl alcohol
 Concen: 14.494 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.09 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-O-(0)

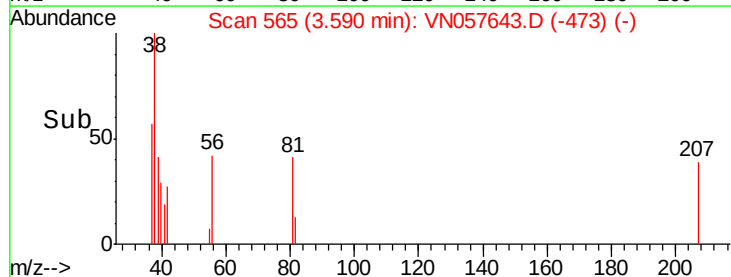
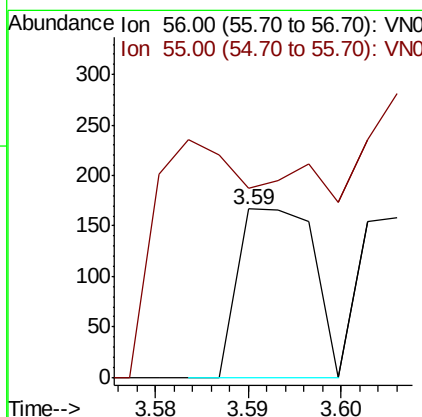
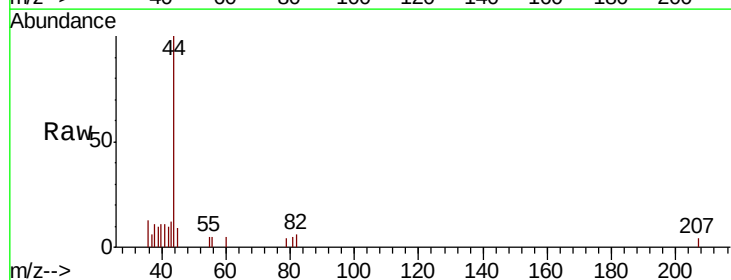
Tgt Ion: 59 Resp: 6195
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.0 7.6#

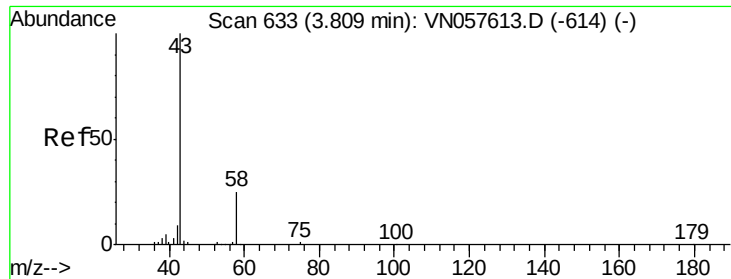


#13

Acrolein
 Concen: 0.553 ug/l
 RT: 3.59 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

Tgt Ion: 56 Resp: 94
 Ion Ratio Lower Upper
 56 100
 55 213.8 56.5 84.7#





#16

Acetone

Concen: 10.733 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

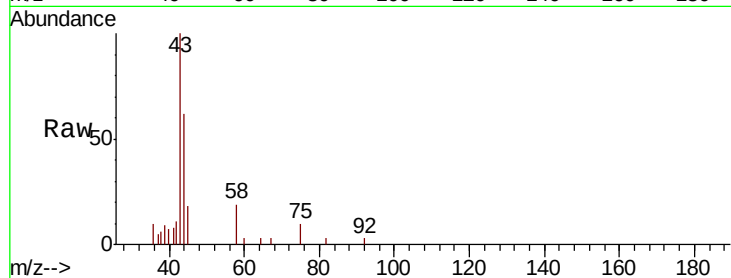
T9-12-13-O-(0)

Tgt Ion: 43 Resp: 12258

Ion Ratio Lower Upper

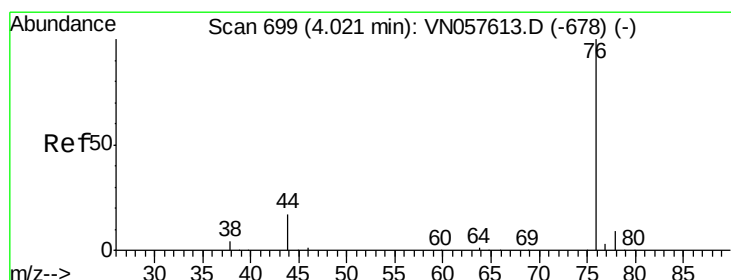
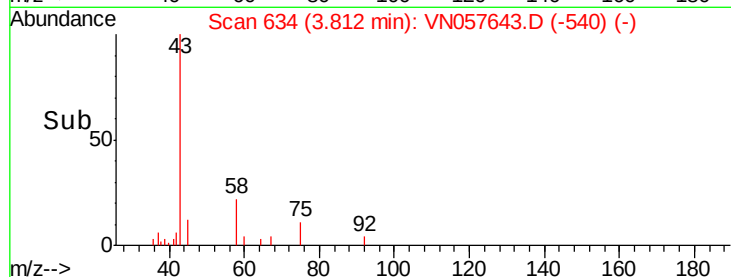
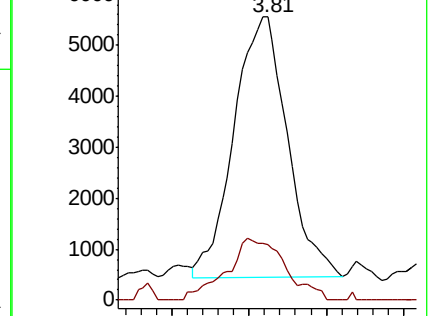
43 100

58 21.3 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.266 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057643.D

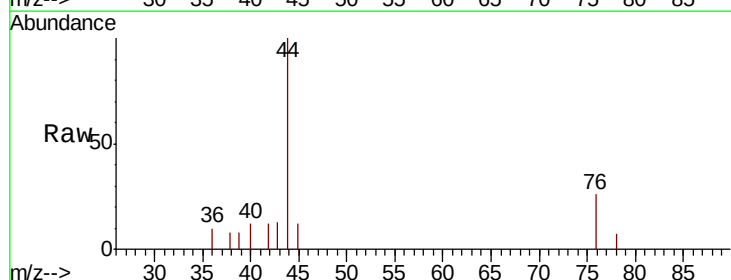
Acq: 1 Sep 2019 14:47

Tgt Ion: 76 Resp: 1445

Ion Ratio Lower Upper

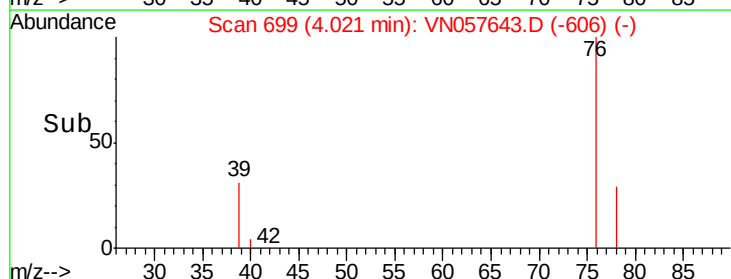
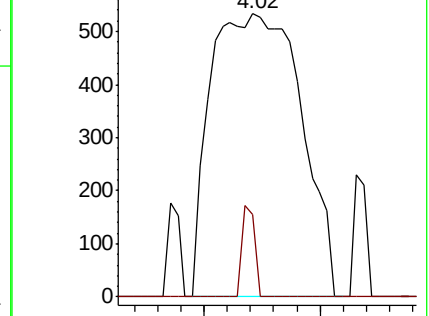
76 100

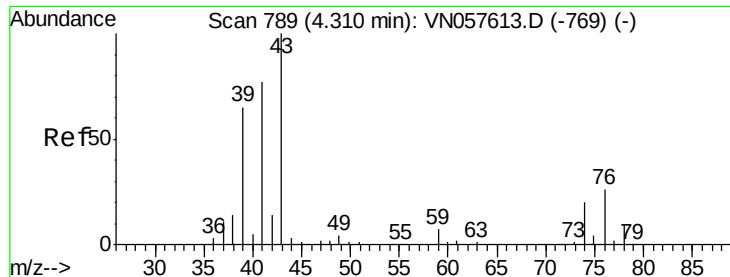
78 29.1 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

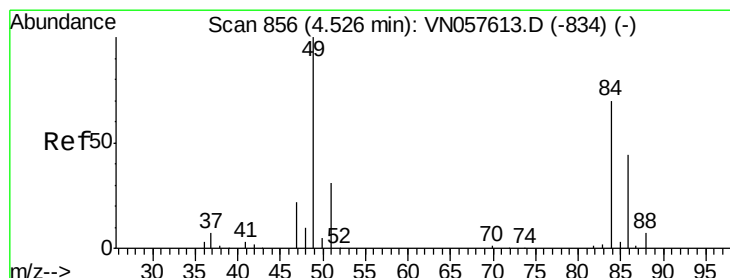
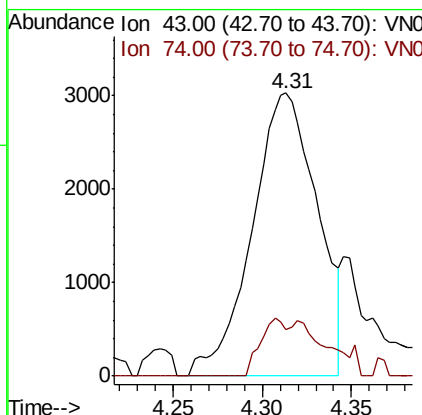
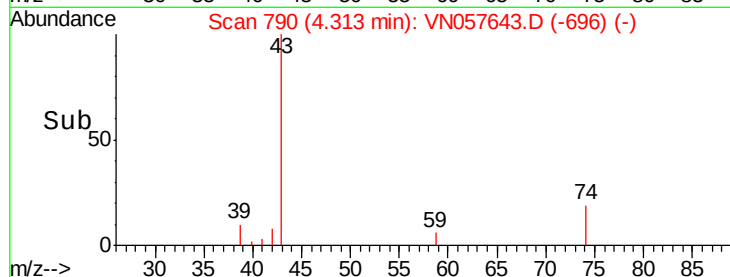
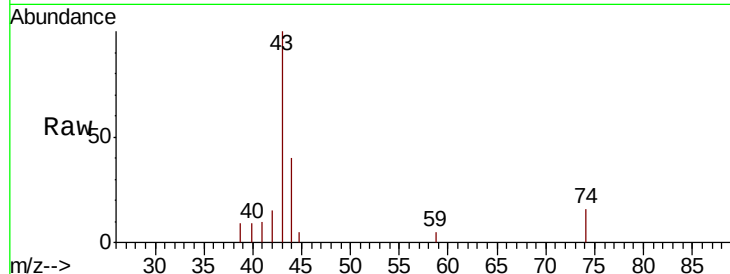




#18
Methyl Acetate
Concen: 1.969 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

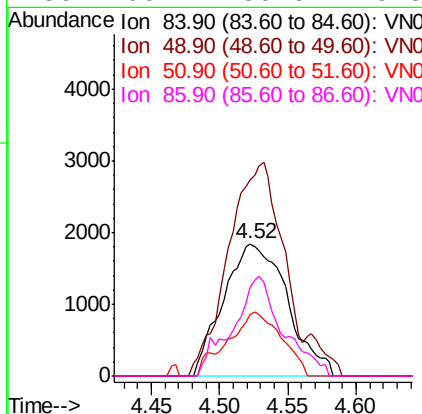
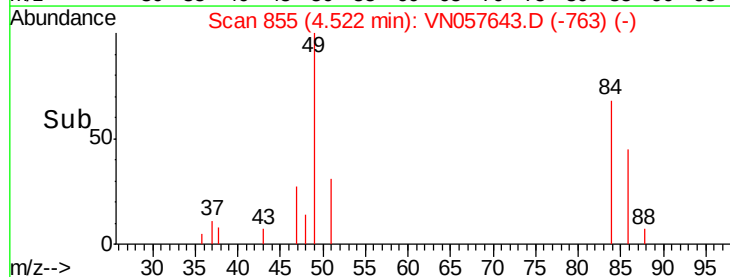
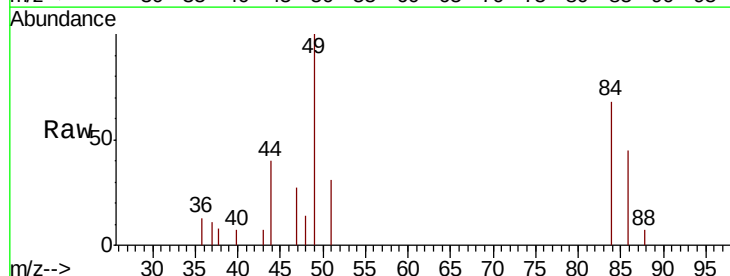
Instrument :
MSVOA_N
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T9-12-13-O-(0)

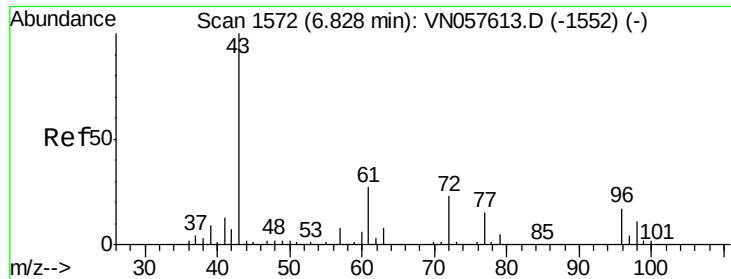
Tgt Ion: 43 Resp: 7720
Ion Ratio Lower Upper
43 100
74 8.1 15.7 23.5#



#20
Methylene Chloride
Concen: 2.125 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

Tgt Ion: 84 Resp: 6007
Ion Ratio Lower Upper
84 100
49 148.1 113.8 170.6
51 46.5 35.0 52.6
86 66.4 50.6 75.8





#25

2-Butanone

Concen: 0.383 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

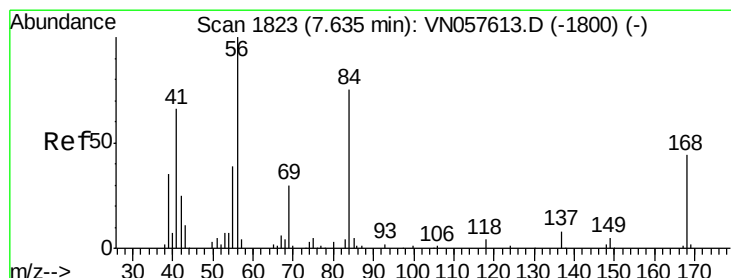
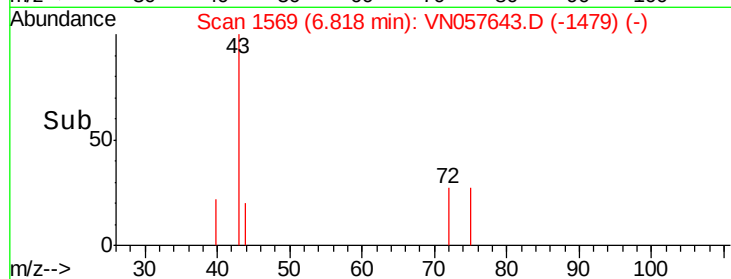
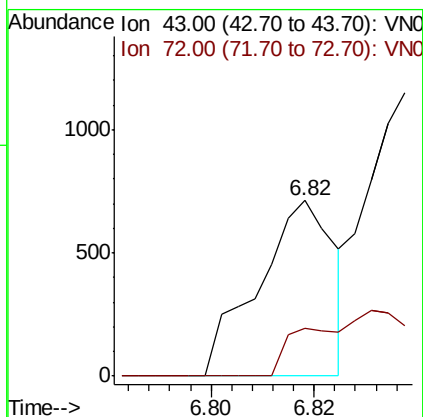
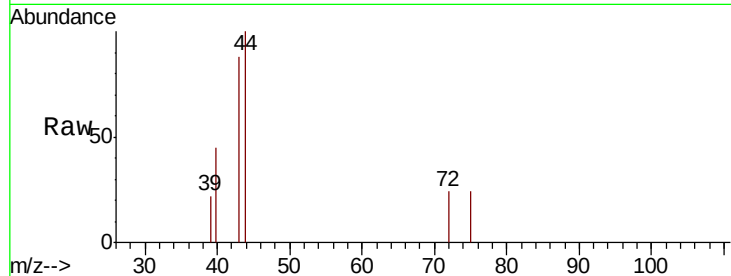
T9-12-13-O-(0)

Tgt Ion: 43 Resp: 728

Ion Ratio Lower Upper

43 100

72 27.3 18.2 27.4



#31

Cyclohexane

Concen: 1.078 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

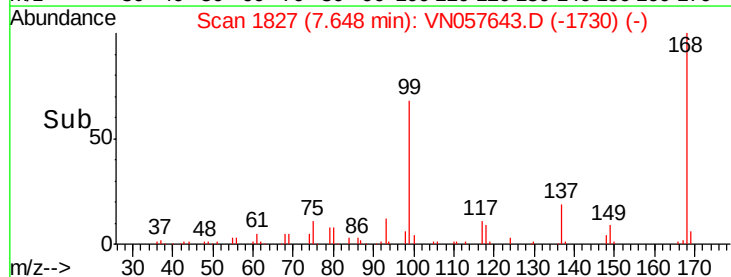
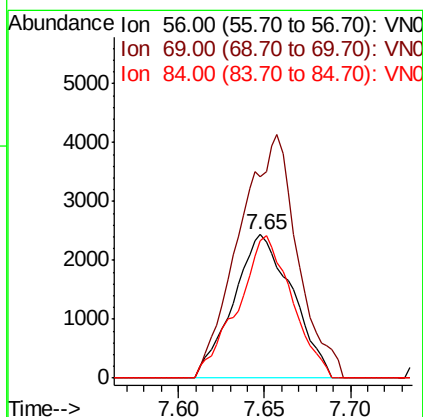
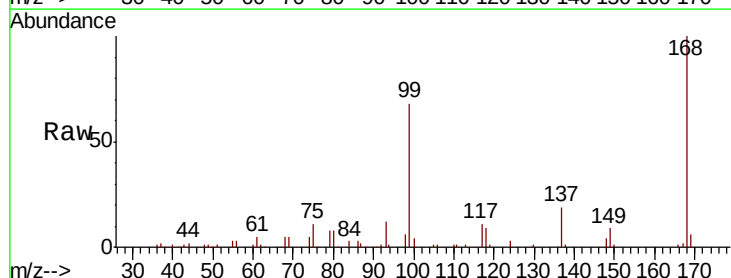
Tgt Ion: 56 Resp: 5821

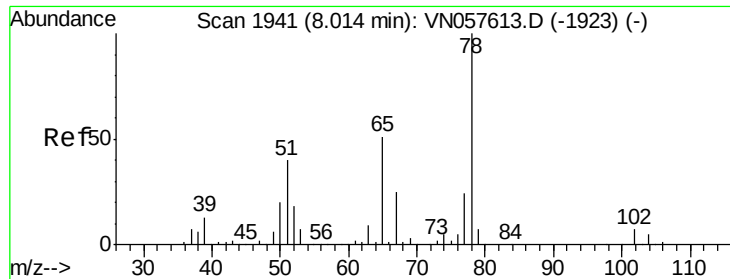
Ion Ratio Lower Upper

56 100

69 140.3 24.4 36.6#

84 95.4 59.9 89.9#

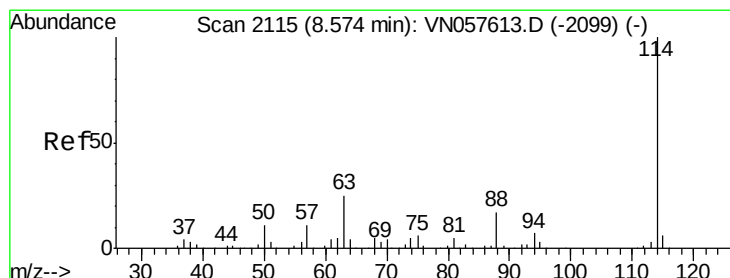
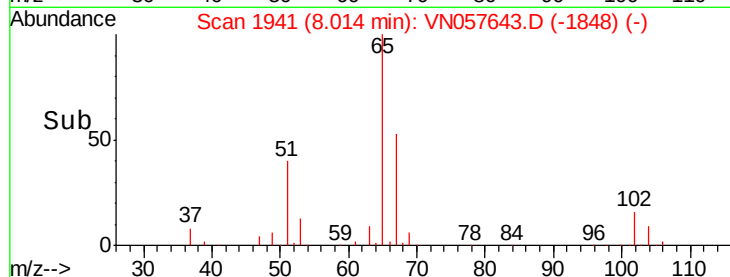
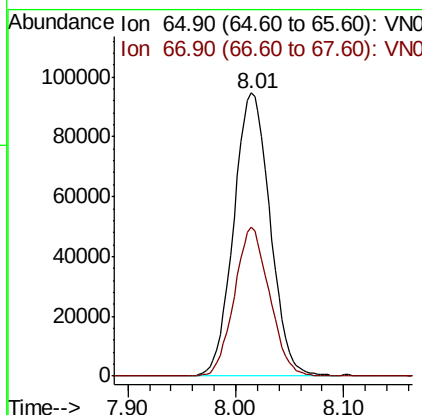
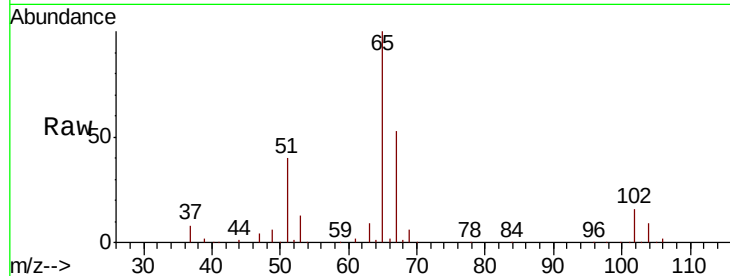




#33
 1,2-Dichloroethane-d4
 Concen: 54.594 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

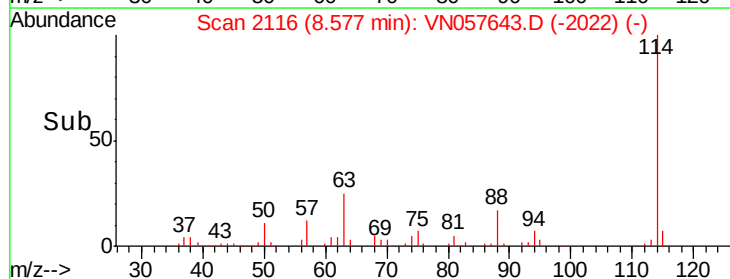
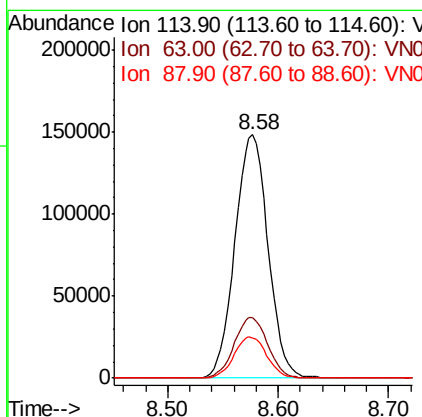
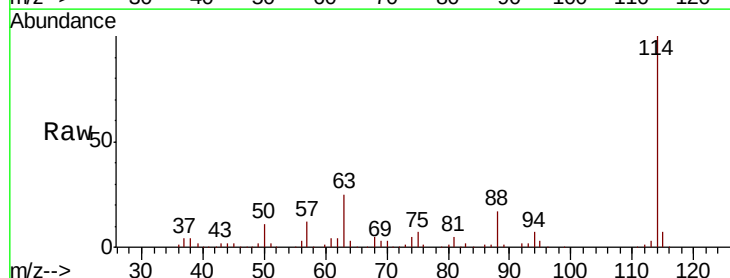
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-O-(0)

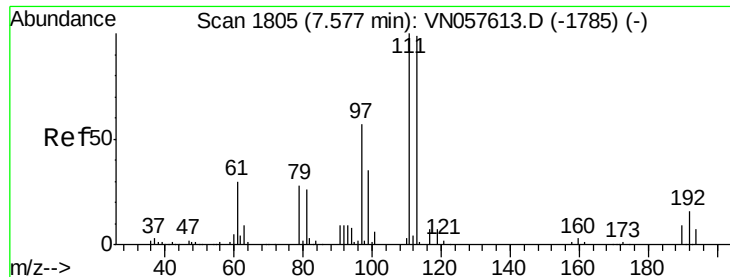
Tgt Ion: 65 Resp: 222477
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

Tgt Ion: 114 Resp: 308600
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.0
 88 16.7 0.0 33.0

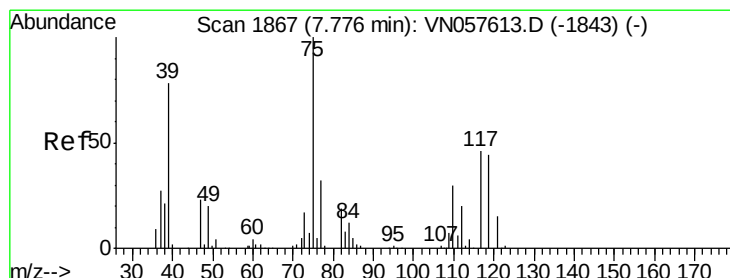
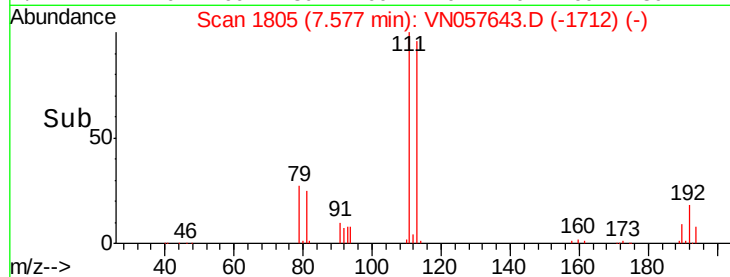
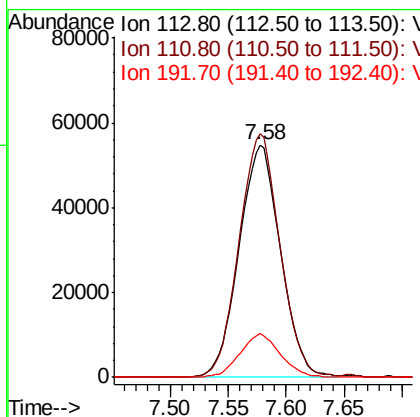
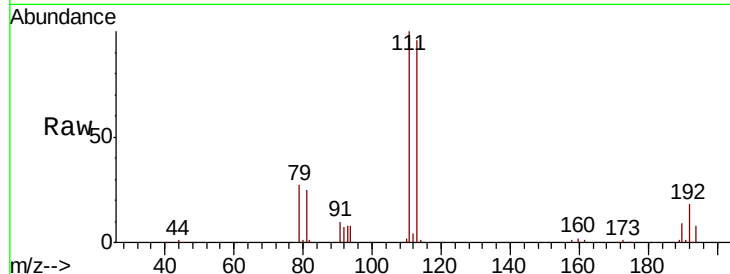




#35
 Dibromofluoromethane
 Concen: 50.605 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

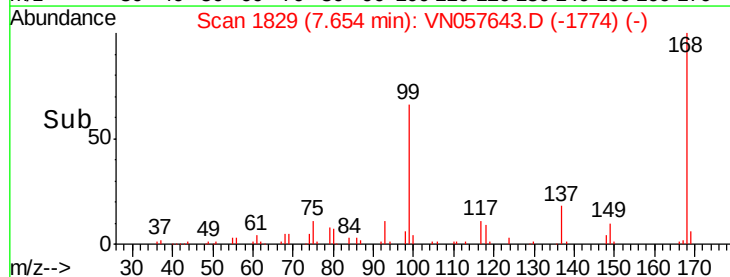
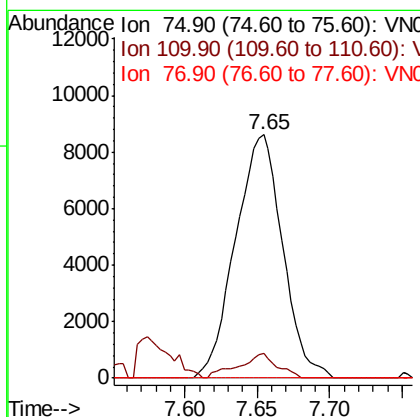
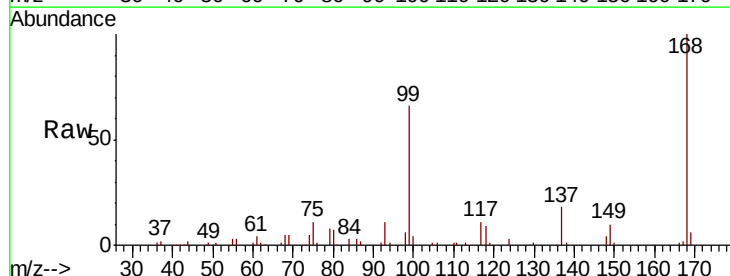
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-O-(0)

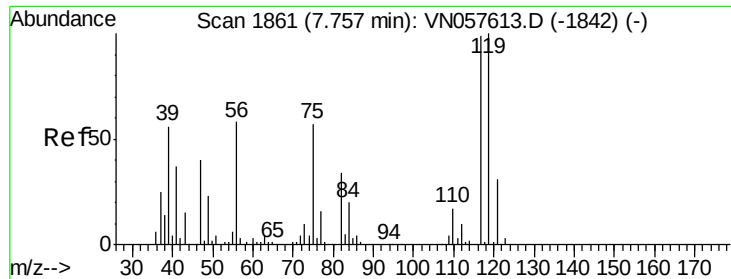
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.3	121.9
192	18.3	13.5	20.3



#36
 1,1-Dichloropropene
 Concen: 4.763 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.6	46.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.620 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-O-(0)

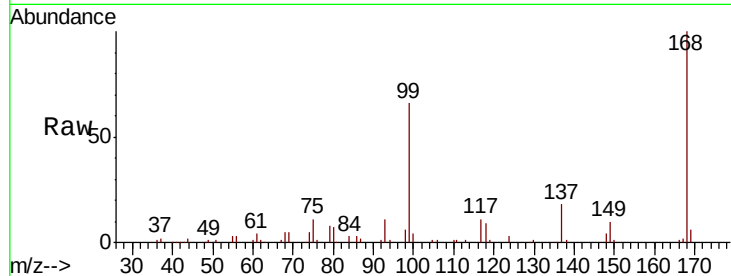
Tgt Ion:117 Resp: 20582

Ion Ratio Lower Upper

117 100

119 6.3 80.6 120.8#

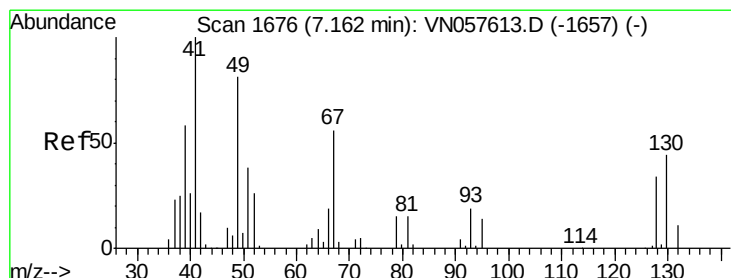
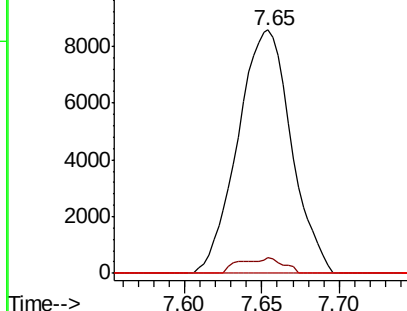
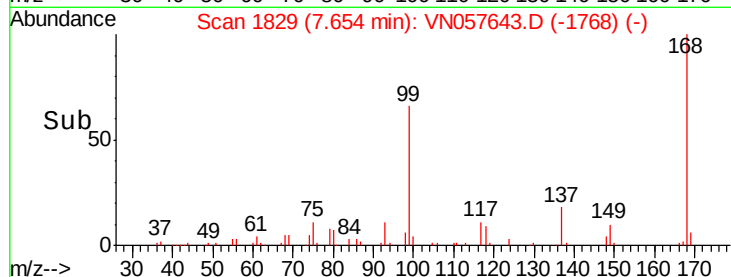
121 0.0 25.1 37.7#



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



#41

Methacrylonitrile

Concen: 2.310 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Tgt Ion: 41 Resp: 62

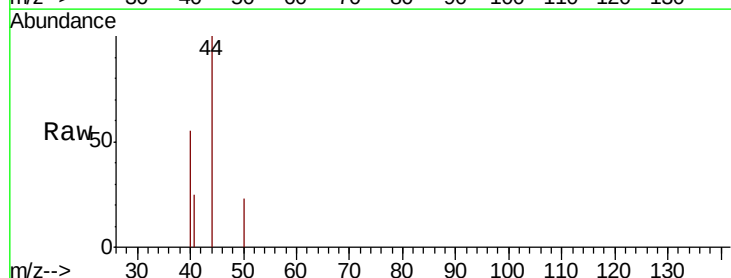
Ion Ratio Lower Upper

41 100

39 0.0 50.6 75.8#

67 0.0 56.9 85.3#

52 0.0 27.4 41.2#

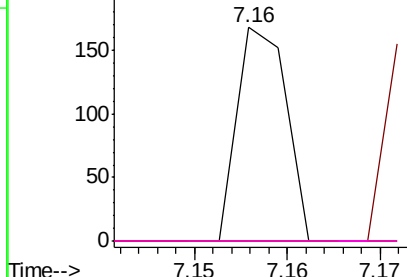
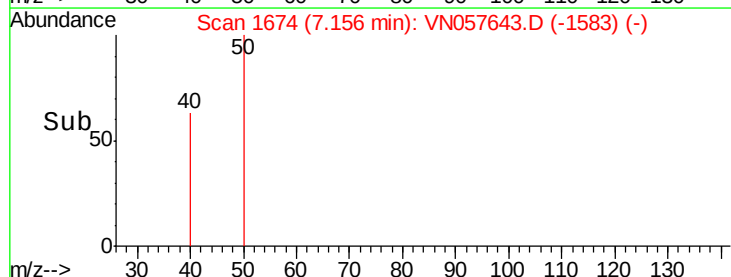


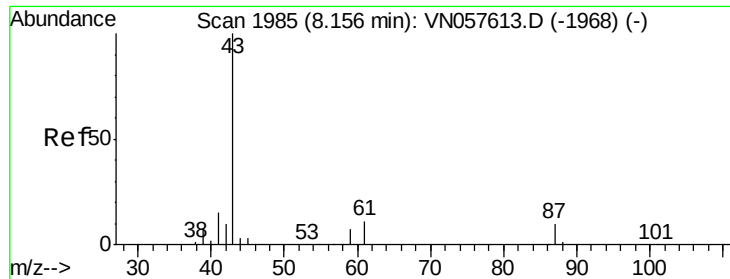
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 8.040 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-O-(0)

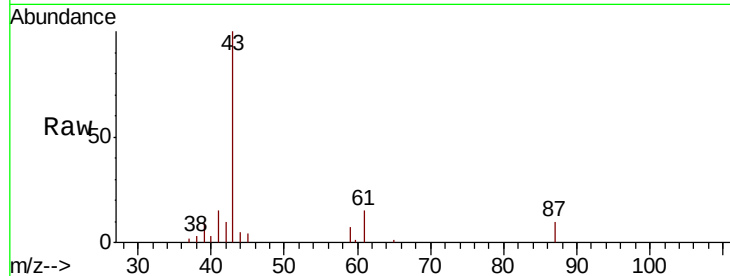
Tgt Ion: 43 Resp: 56373

Ion Ratio Lower Upper

43 100

61 16.8 13.1 19.7

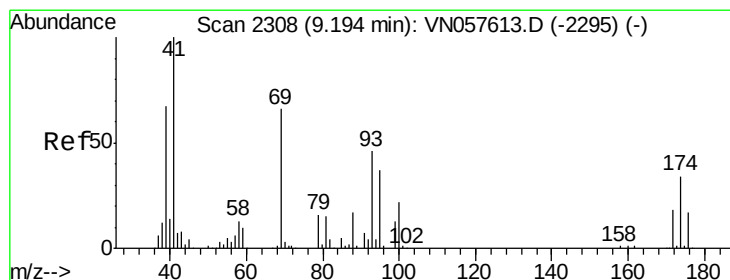
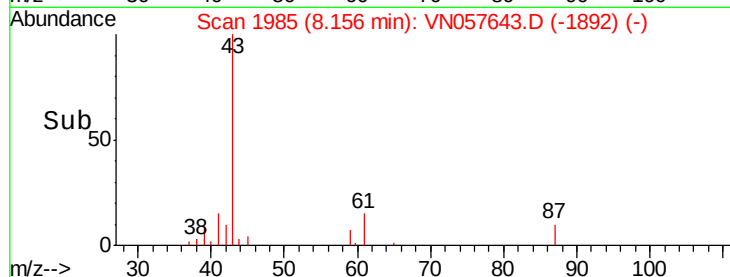
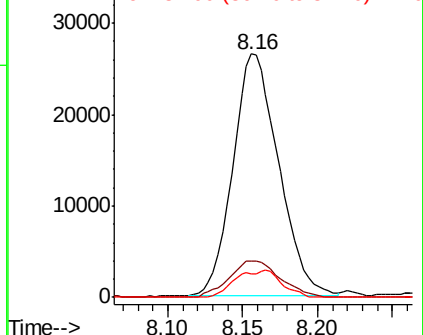
87 4.9 8.1 12.1#



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



#48

Methyl methacrylate

Concen: 1.225 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

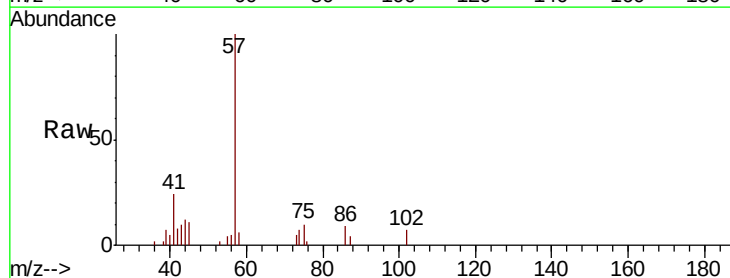
Tgt Ion: 41 Resp: 4387

Ion Ratio Lower Upper

41 100

69 0.0 55.1 82.7#

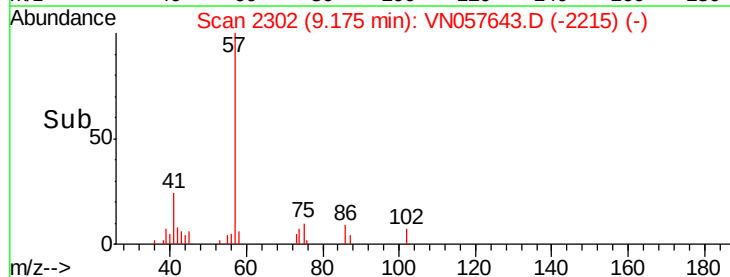
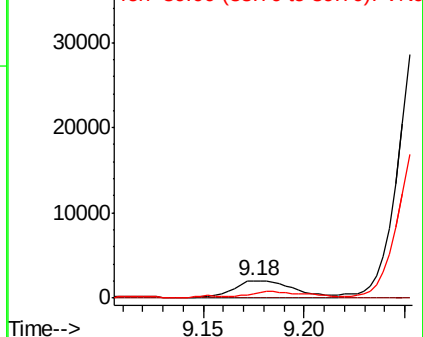
39 0.0 55.4 83.2#

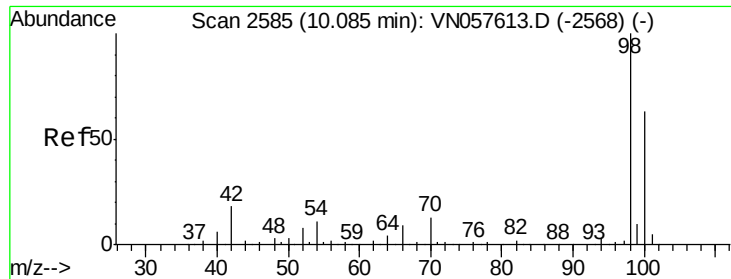


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 52.099 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

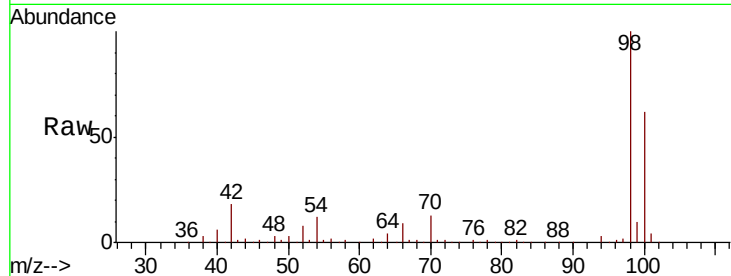
T9-12-13-O-(0)

Tgt Ion: 98 Resp: 539043

Ion Ratio Lower Upper

98 100

100 63.1 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

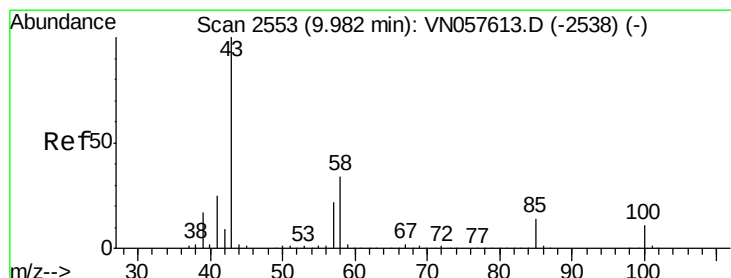
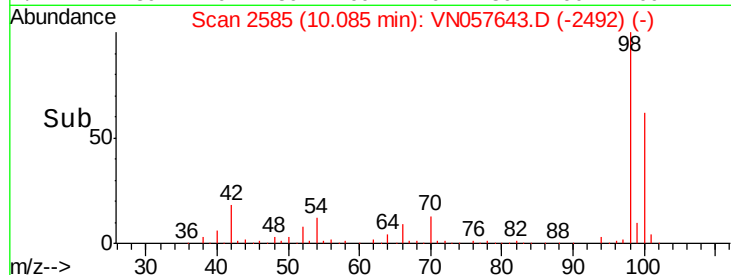
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.680 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN057643.D

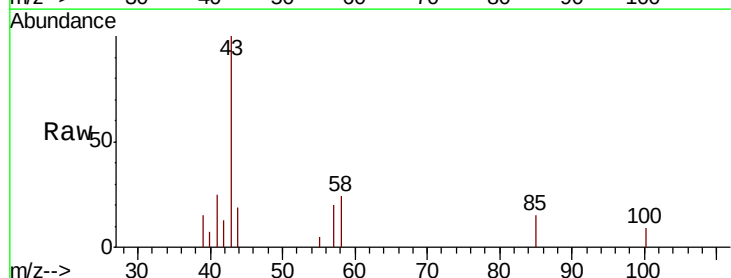
Acq: 1 Sep 2019 14:47

Tgt Ion: 43 Resp: 6750

Ion Ratio Lower Upper

43 100

58 26.8 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

25000

20000

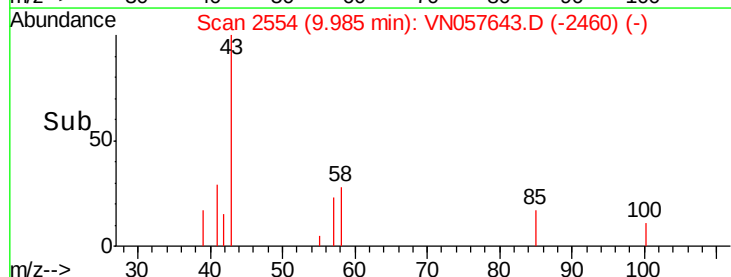
15000

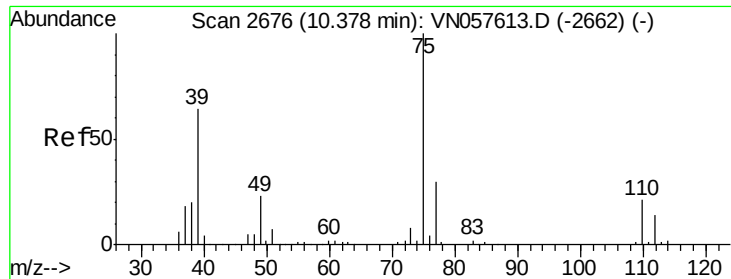
10000

5000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 3.247 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

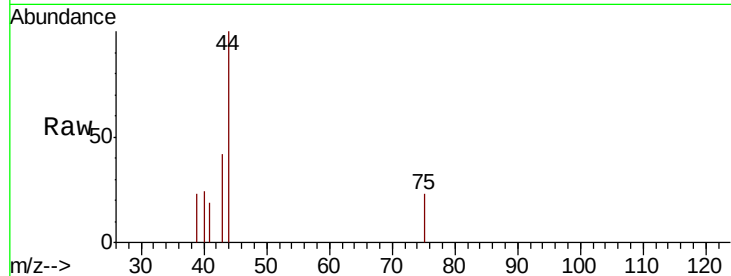
T9-12-13-O-(0)

Tgt Ion: 75 Resp: 130

Ion Ratio Lower Upper

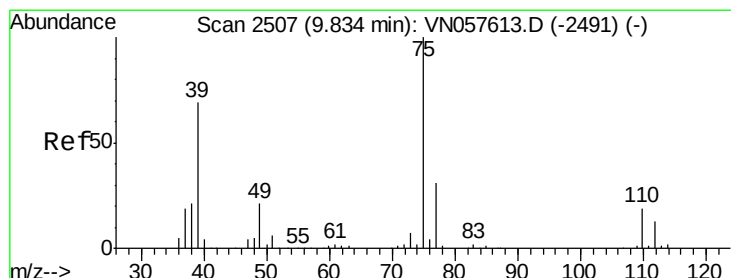
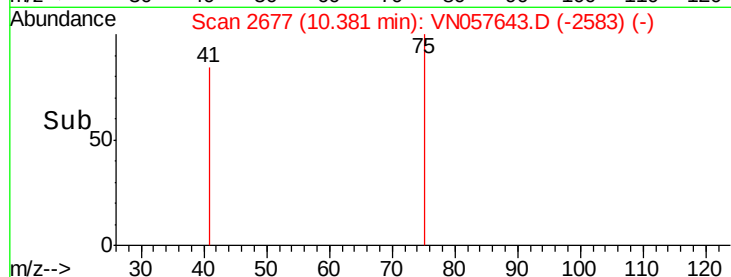
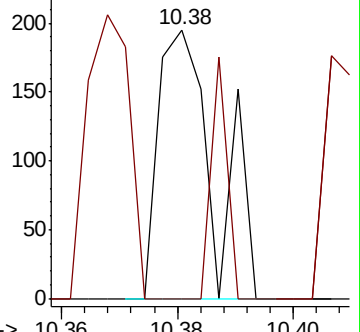
75 100

77 0.0 24.1 36.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.783 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

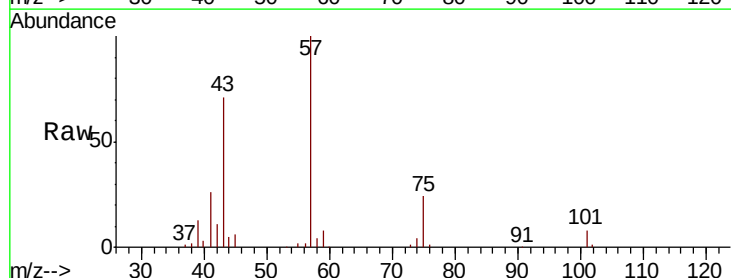
Tgt Ion: 75 Resp: 21097

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

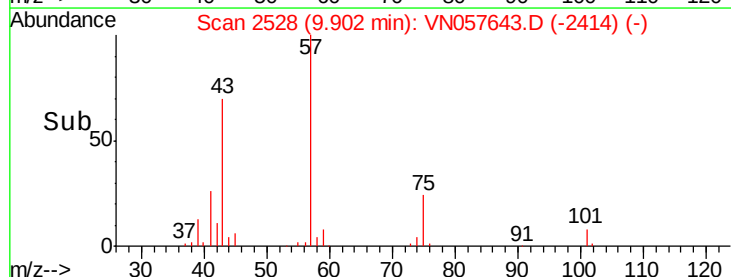
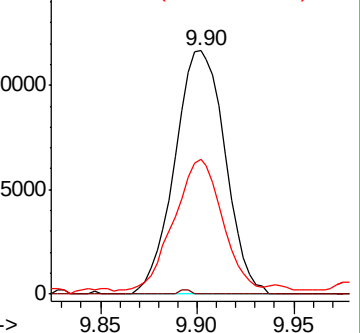
39 53.7 55.0 82.4#

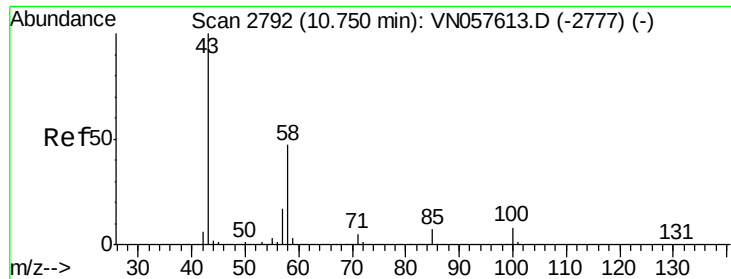


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

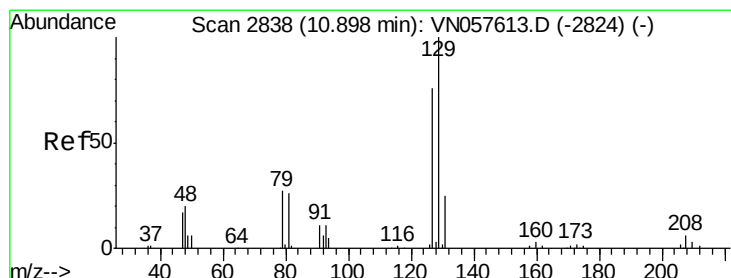
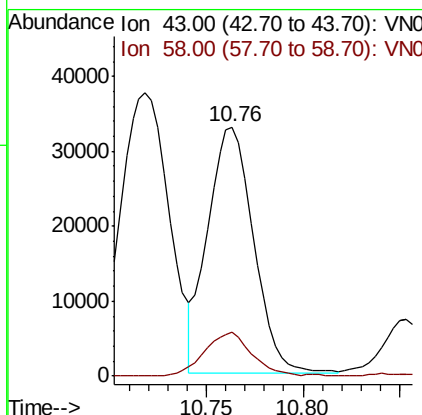
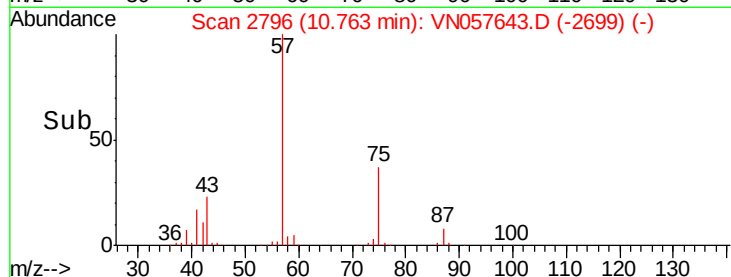
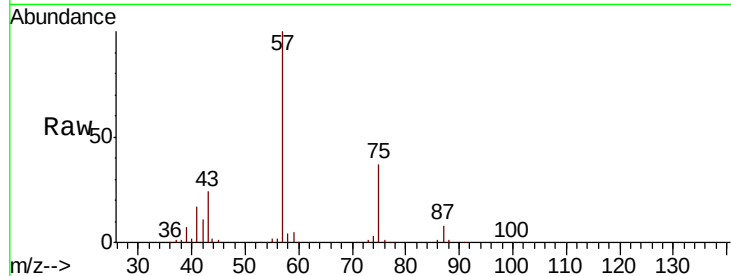




#59
2-Hexanone
Concen: 18.426 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

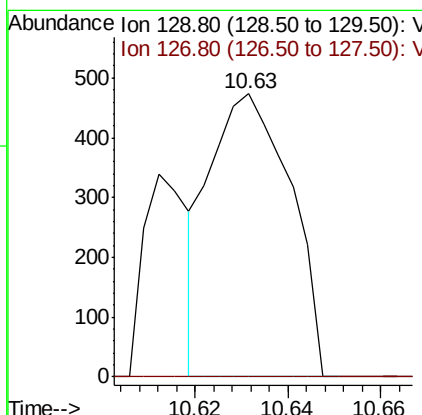
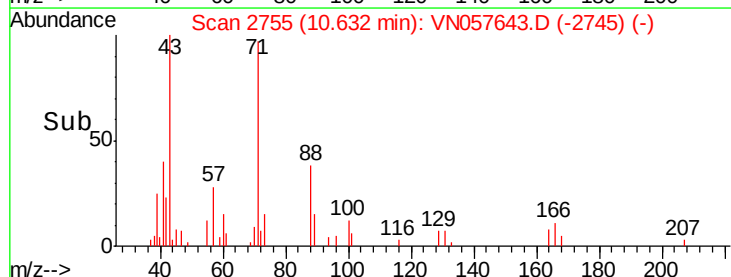
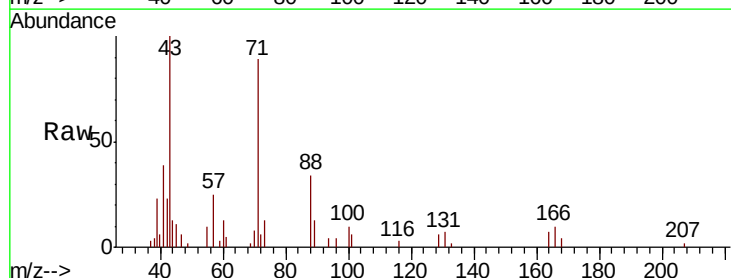
Instrument :
MSVOA_N
ClientSampleId :
T9-12-13-O-(0)

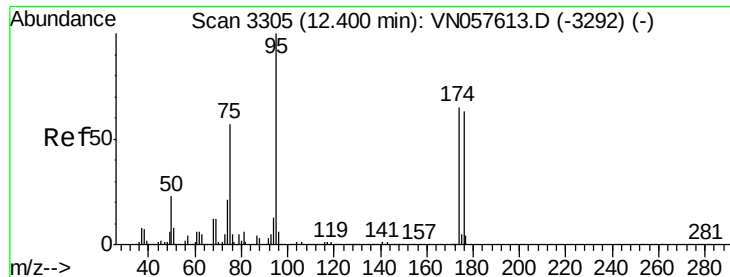
Tgt Ion: 43 Resp: 54379
Ion Ratio Lower Upper
43 100
58 18.3 23.5 70.5#



#60
Dibromochloromethane
Concen: 3.727 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

Tgt Ion: 129 Resp: 572
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 41.309 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-O-(0)

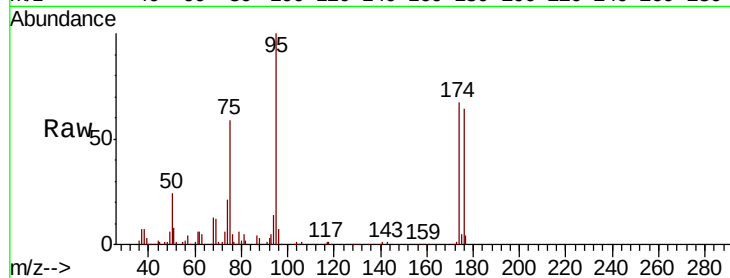
Tgt Ion: 95 Resp: 162525

Ion Ratio Lower Upper

95 100

174 66.8 0.0 134.8

176 63.1 0.0 131.6



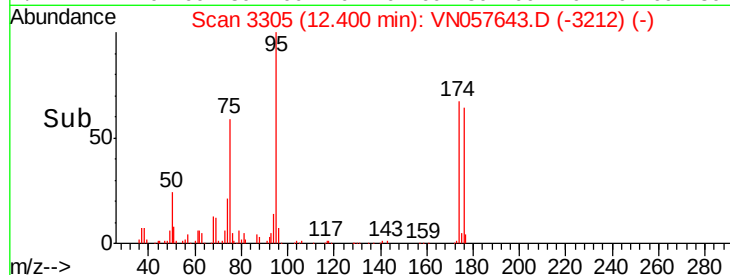
Abundance Ion 94.90 (94.60 to 95.60): VN057613.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN057613.D (-3292) (-)

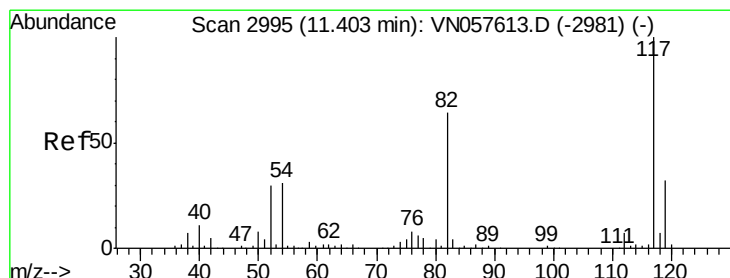
Ion 175.80 (175.50 to 176.50): VN057613.D (-3292) (-)

12.40

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

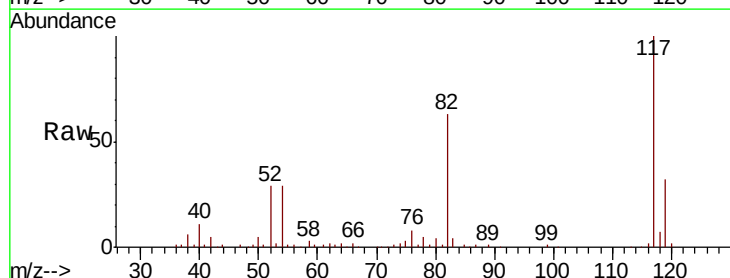
Tgt Ion: 117 Resp: 271431

Ion Ratio Lower Upper

117 100

82 63.2 51.6 77.4

119 32.0 25.8 38.6



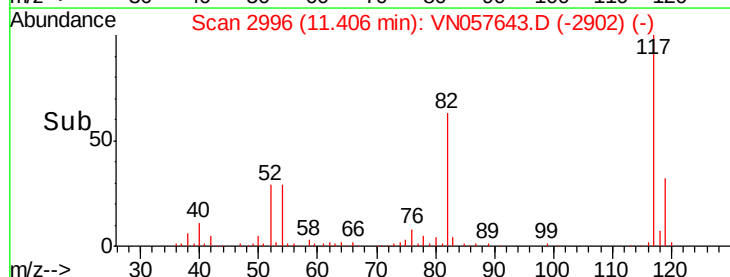
Abundance Ion 116.90 (116.60 to 117.60): VN057613.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057613.D (-2981) (-)

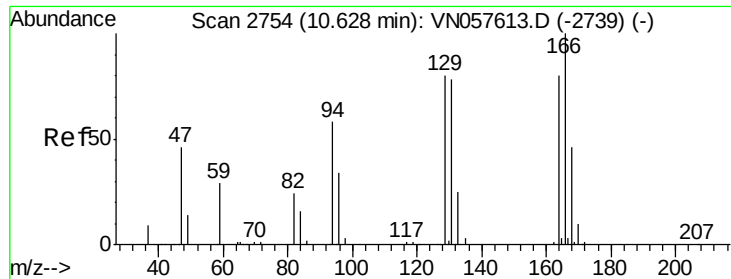
Ion 118.90 (118.60 to 119.60): VN057613.D (-2981) (-)

11.41

Time-->



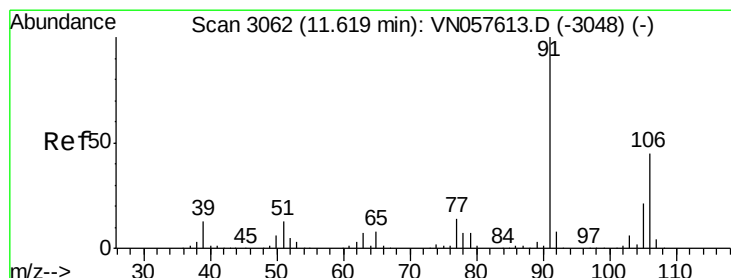
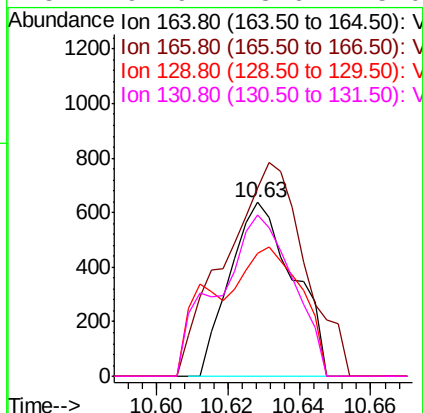
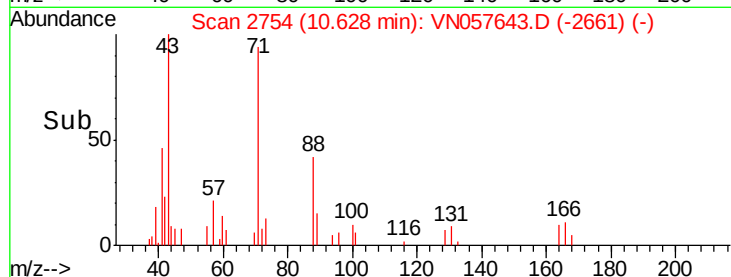
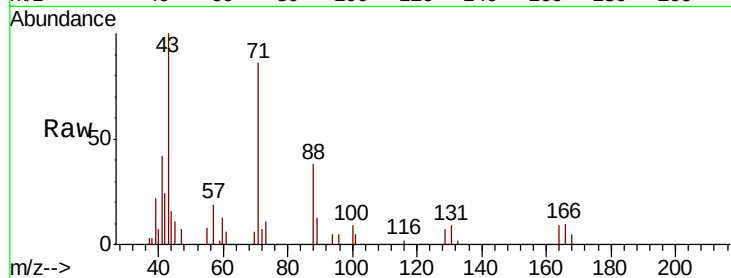
Time-->



#64
Tetrachloroethene
Concen: 0.335 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

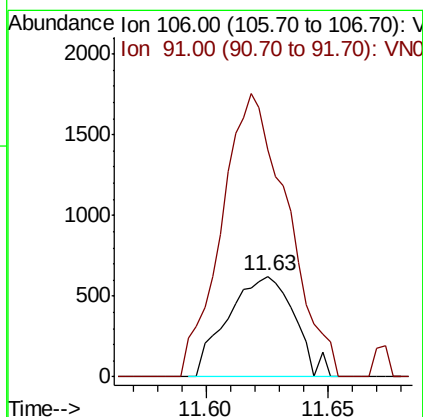
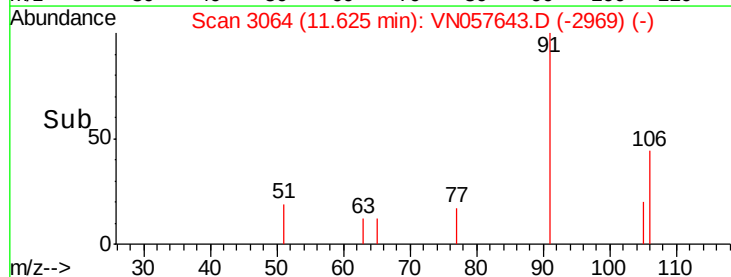
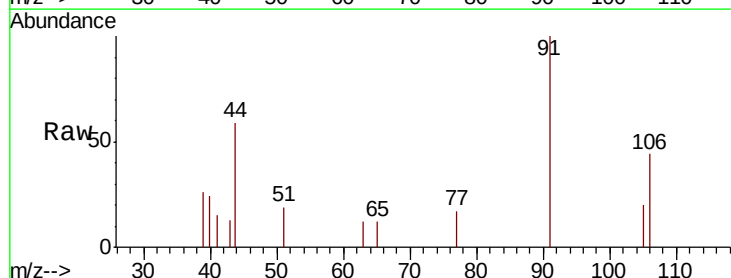
Instrument :
MSVOA_N
ClientSampleId :
T9-12-13-O-(0)

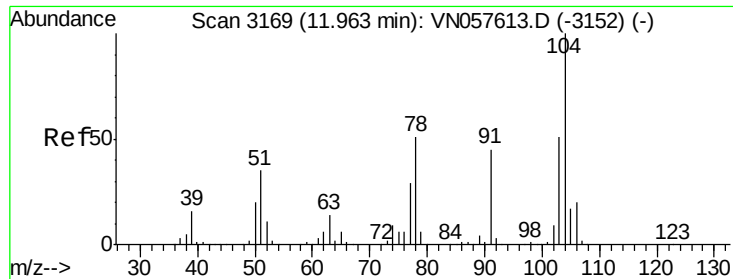
Tgt Ion:164 Resp: 787
Ion Ratio Lower Upper
164 100
166 84.2 100.6 151.0#
129 70.8 80.4 120.6#
131 92.9 78.6 118.0



#68
m/p-Xylenes
Concen: 0.253 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

Tgt Ion:106 Resp: 1179
Ion Ratio Lower Upper
106 100
91 280.0 176.2 264.2#

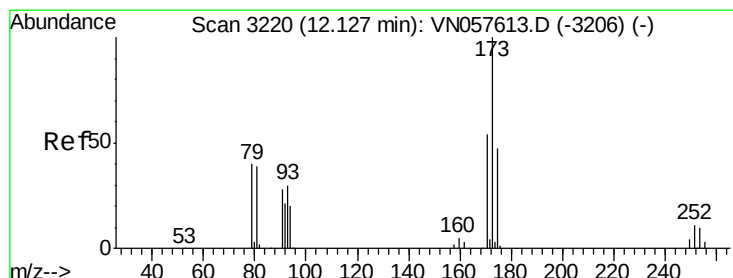
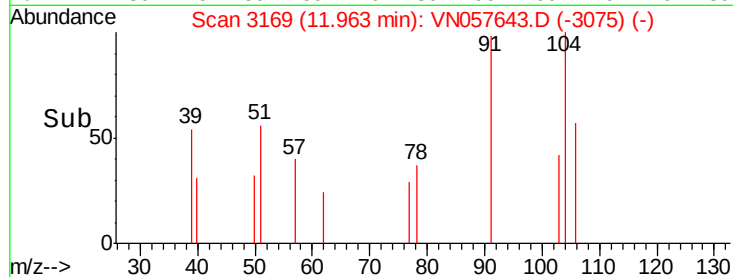
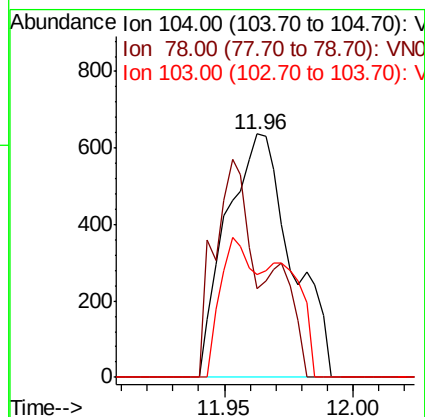
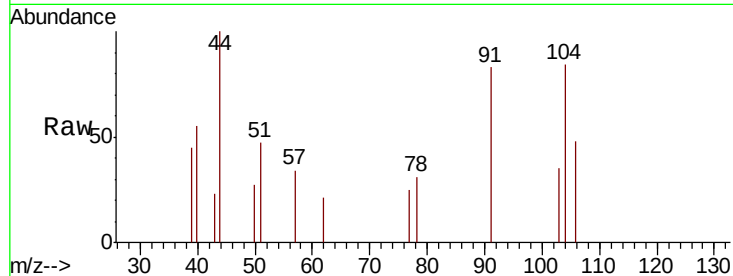




#70
Styrene
Concen: 2.714 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

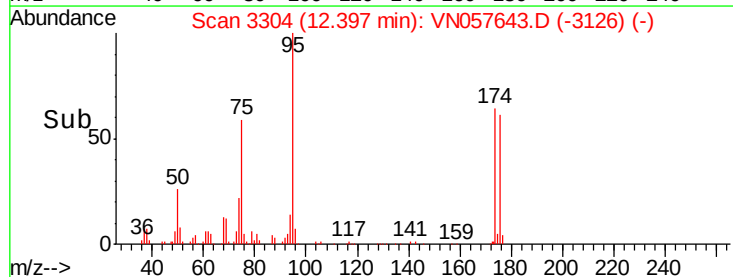
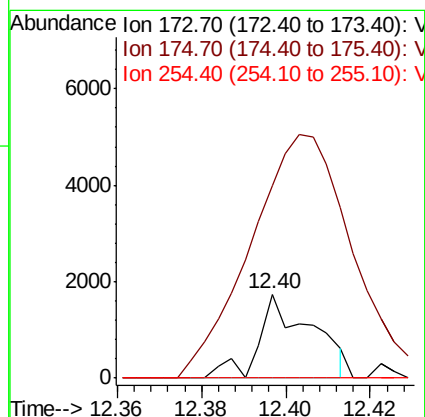
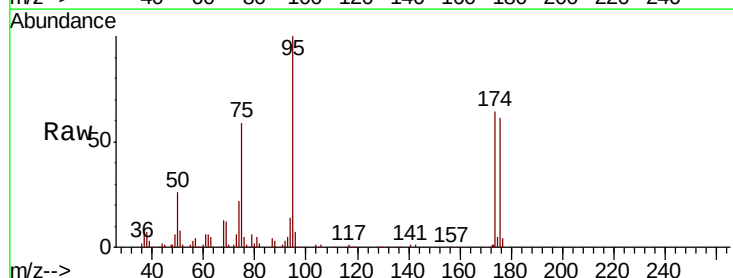
Instrument :
MSVOA_N
ClientSampleId :
T9-12-13-O-(0)

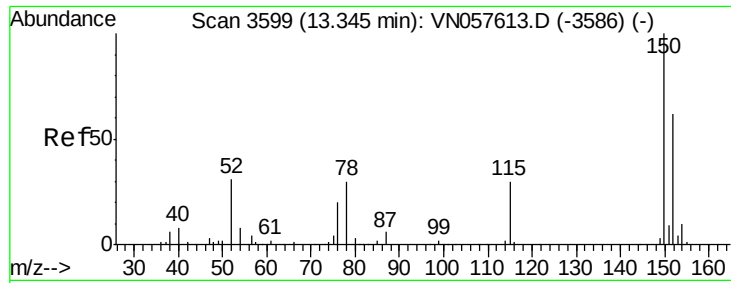
Tgt Ion:104 Resp: 1121
Ion Ratio Lower Upper
104 100
78 52.6 46.6 70.0
103 29.6 44.7 67.1#



#71
Bromoform
Concen: 6.975 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

Tgt Ion:173 Resp: 1522
Ion Ratio Lower Upper
173 100
175 461.9 24.4 73.4#
254 0.0 0.0 0.0

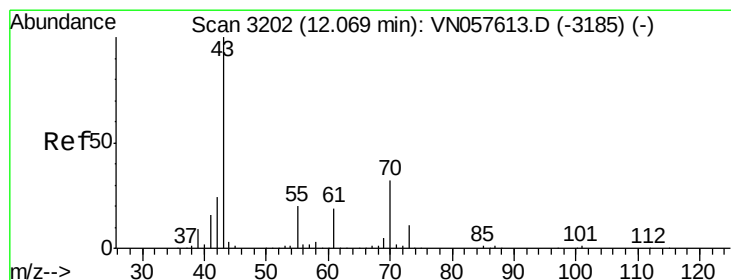
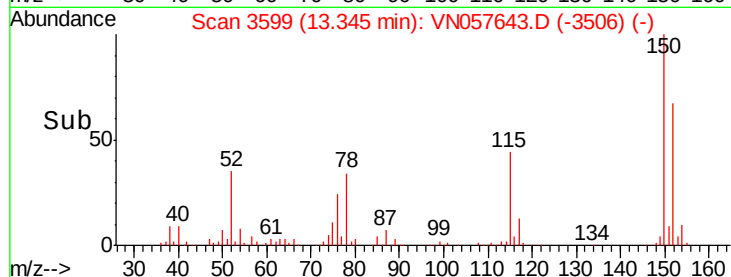
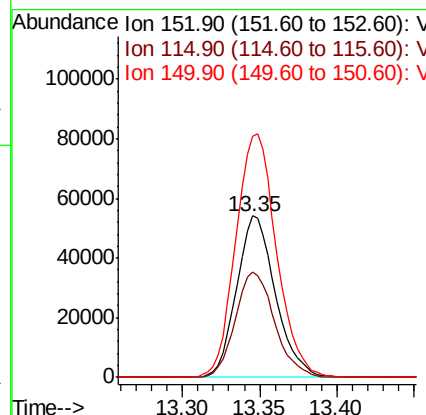
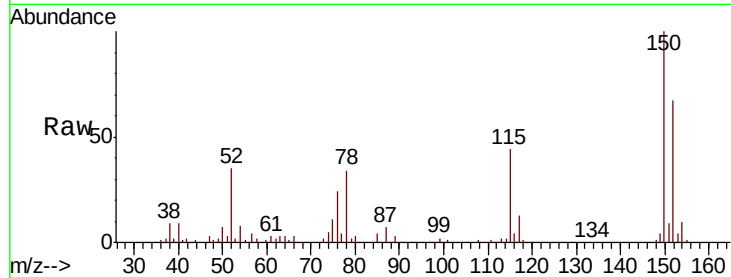




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

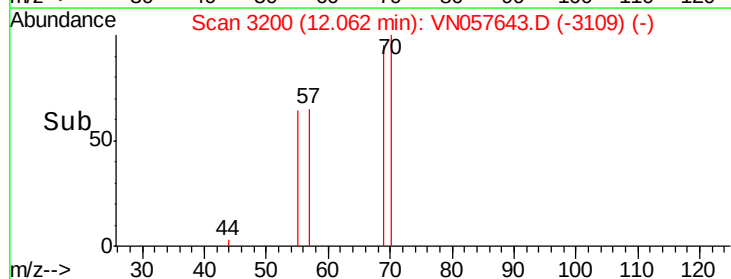
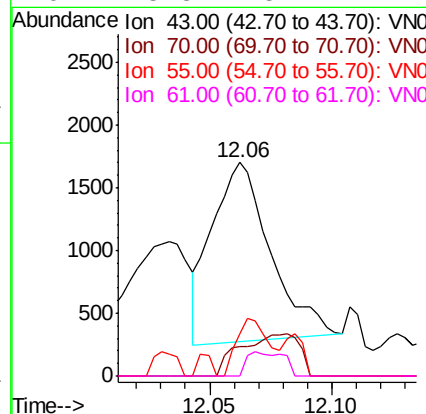
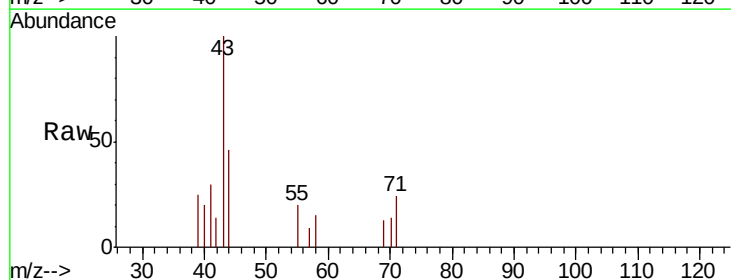
Instrument :
 MSVOA_N
 ClientSampled :
 T9-12-13-O-(0)

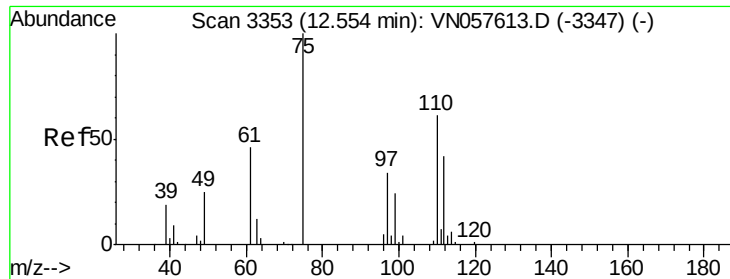
Tgt Ion:152 Resp: 94231
 Ion Ratio Lower Upper
 152 100
 115 66.0 33.2 99.6
 150 157.9 0.0 365.2



#74
 N-ethyl acetate
 Concen: 0.535 ug/l
 RT: 12.06 min Scan# 3200
 Delta R.T. -0.01 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

Tgt Ion: 43 Resp: 2402
 Ion Ratio Lower Upper
 43 100
 70 0.0 26.9 40.3#
 55 17.7 16.8 25.2
 61 8.3 15.1 22.7#

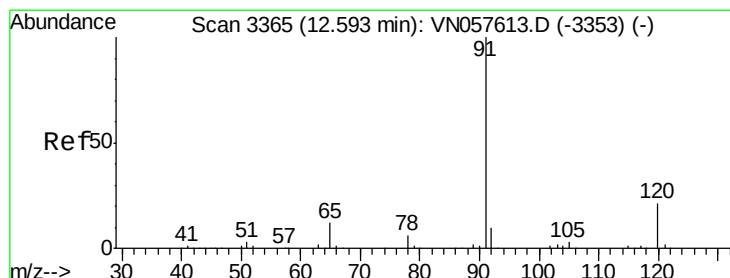
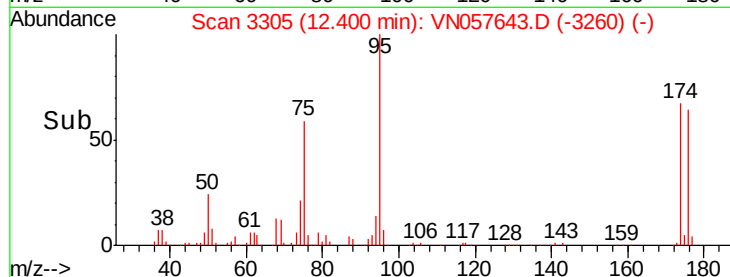
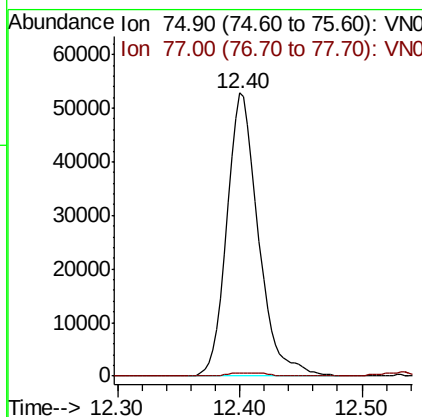
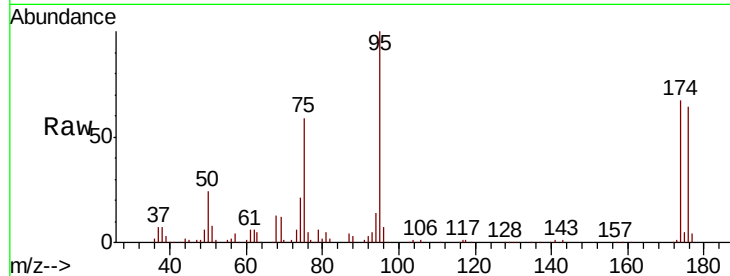




#76
 1,2,3-Trichloropropane
 Concen: 38.504 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

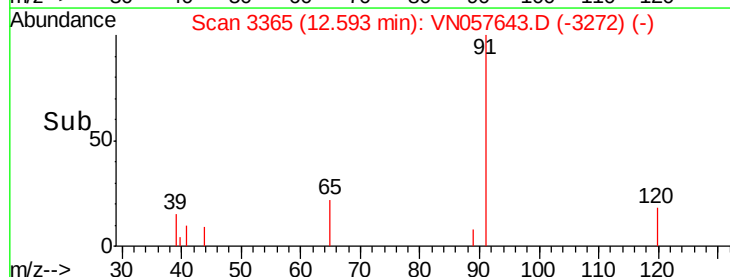
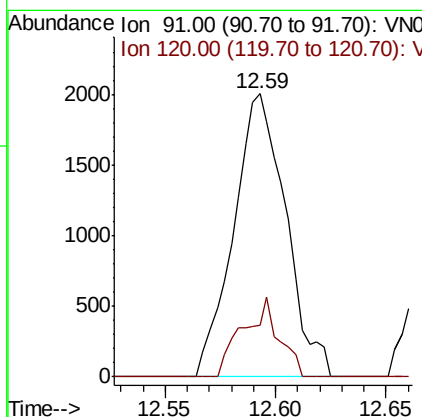
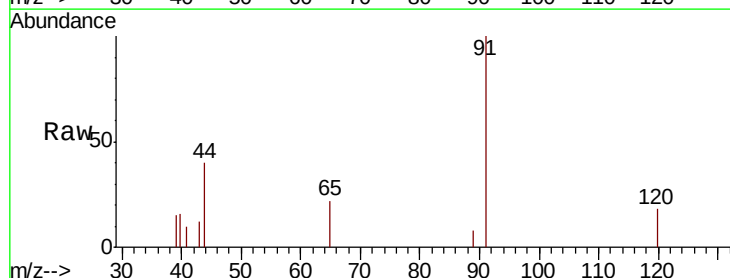
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-O-(0)

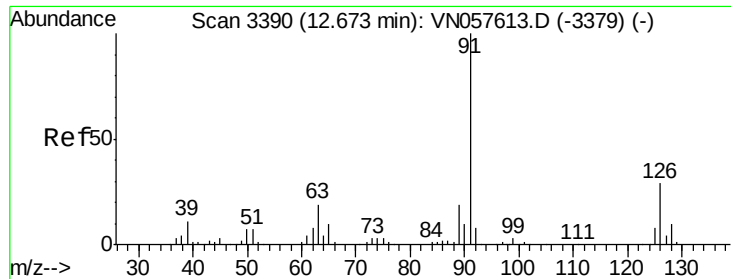
Tgt Ion: 75 Resp: 95439
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#78
 n-propylbenzene
 Concen: 0.311 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

Tgt Ion: 91 Resp: 3293
 Ion Ratio Lower Upper
 91 100
 120 19.4 10.4 31.4





#79

2-Chlorotoluene

Concen: 0.333 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

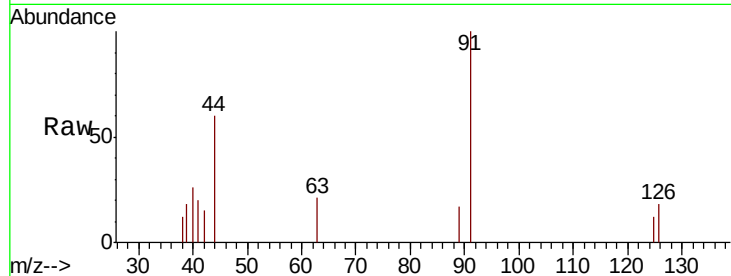
T9-12-13-O-(0)

Tgt Ion: 91 Resp: 2200

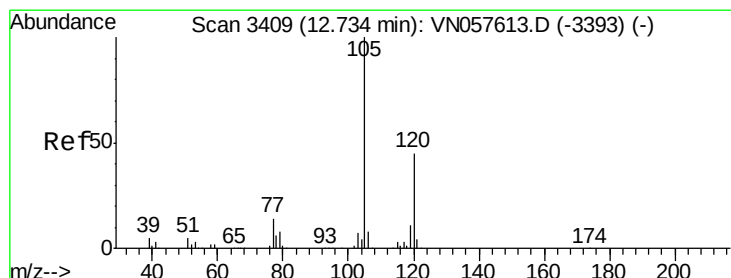
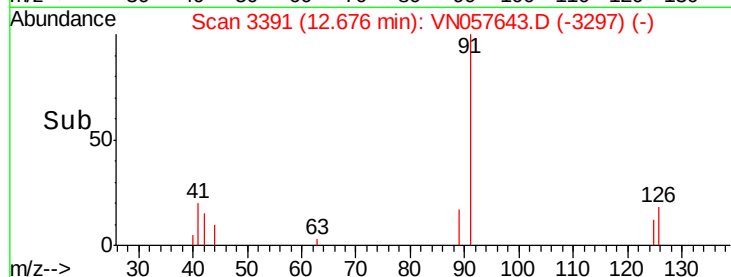
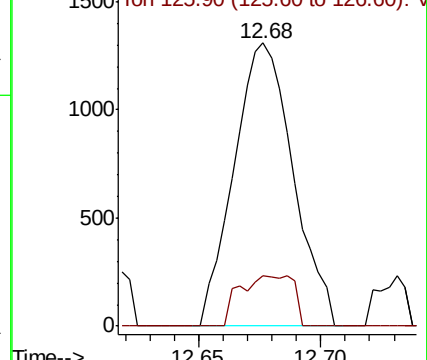
Ion Ratio Lower Upper

91 100

126 16.2 14.9 44.5



Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.270 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN057643.D

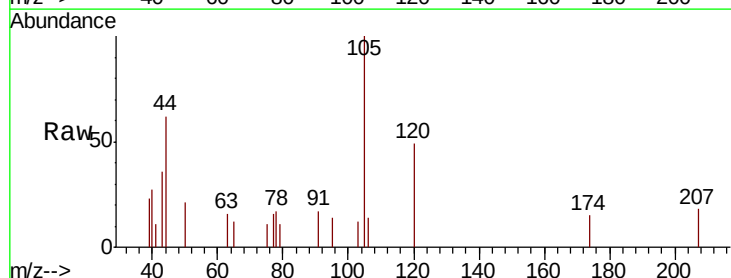
Acq: 1 Sep 2019 14:47

Tgt Ion: 105 Resp: 2116

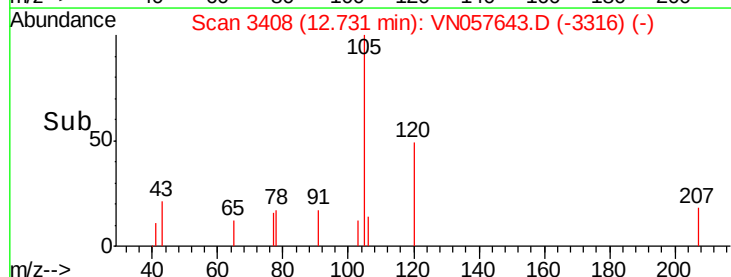
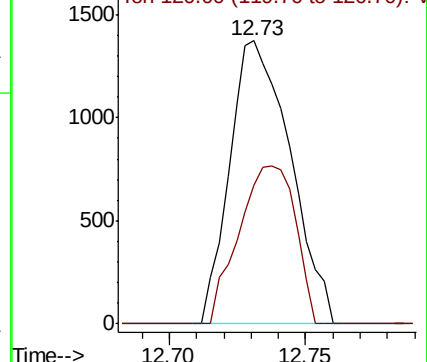
Ion Ratio Lower Upper

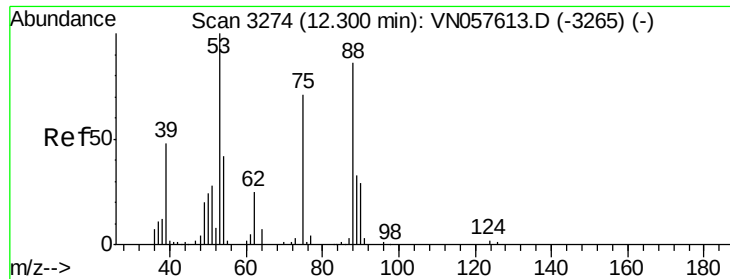
105 100

120 52.0 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): VN057613.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 131.983 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-O-(0)

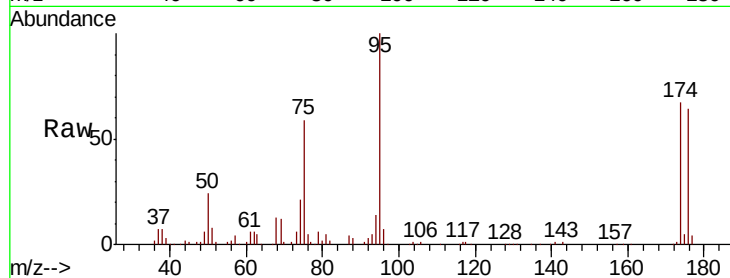
Tgt Ion: 75 Resp: 95439

Ion Ratio Lower Upper

75 100

53 0.0 111.0 166.6#

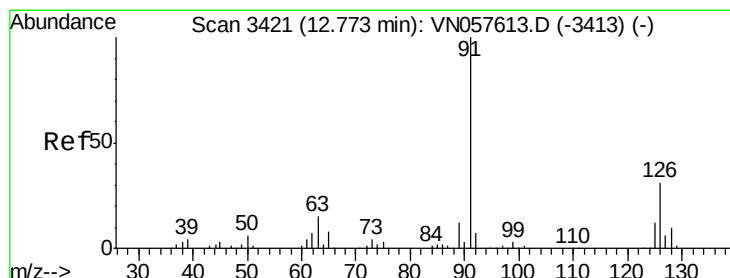
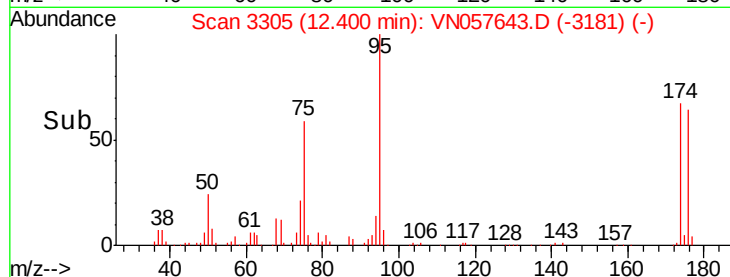
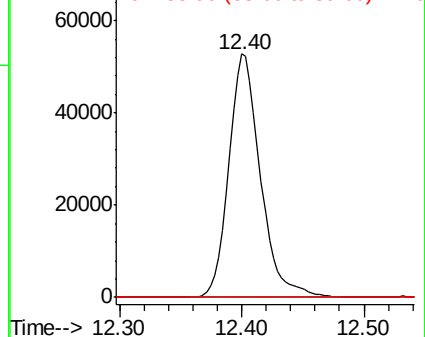
89 0.0 38.3 57.5#



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: 0.466 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057643.D

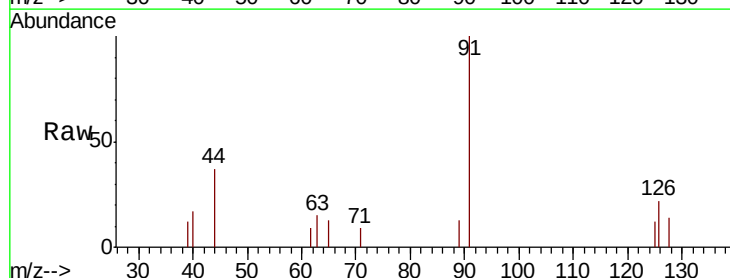
Acq: 1 Sep 2019 14:47

Tgt Ion: 91 Resp: 3046

Ion Ratio Lower Upper

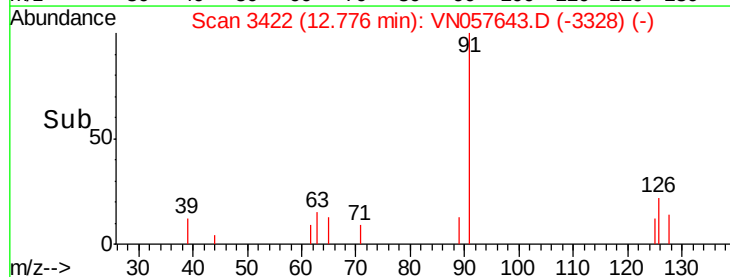
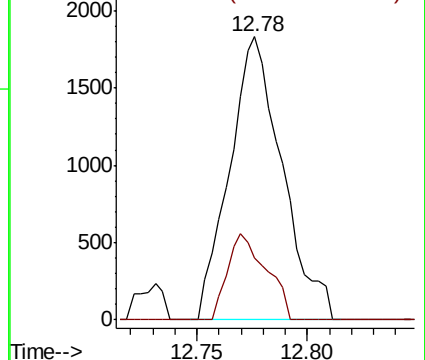
91 100

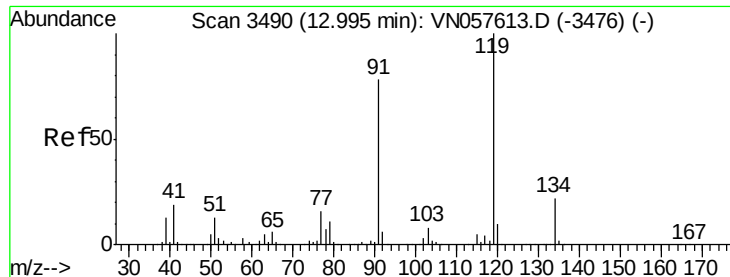
126 22.3 14.4 43.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

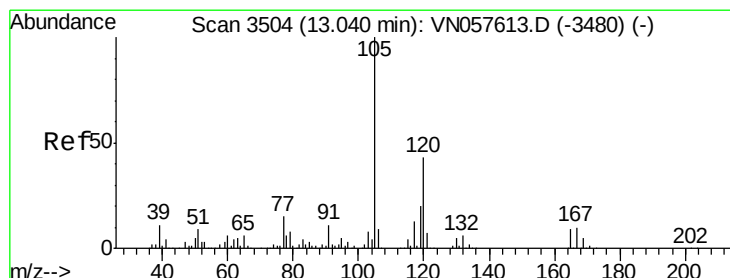
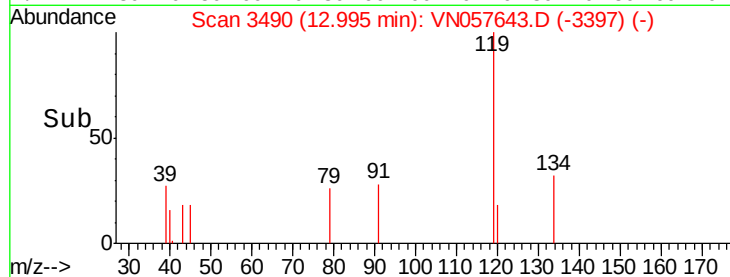
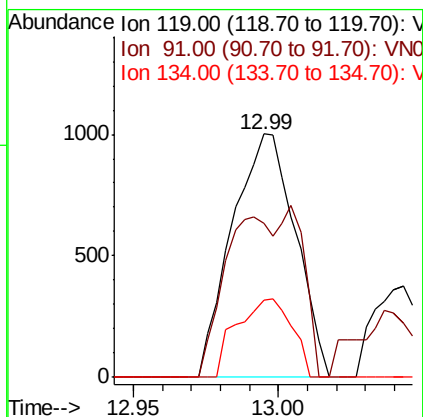
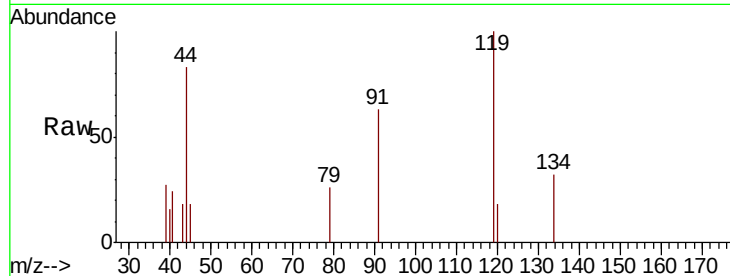




#83
 tert-Butylbenzene
 Concen: 0.228 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

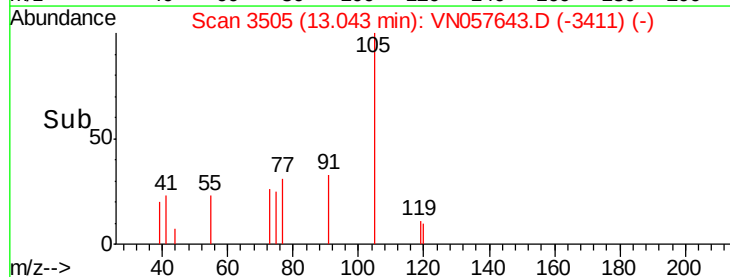
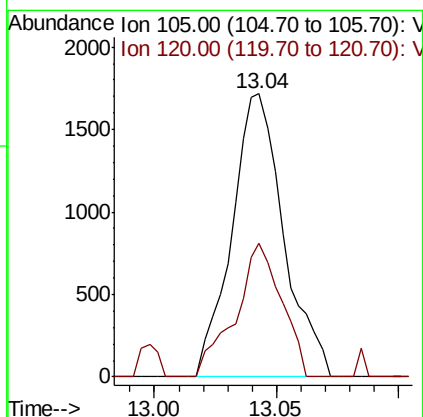
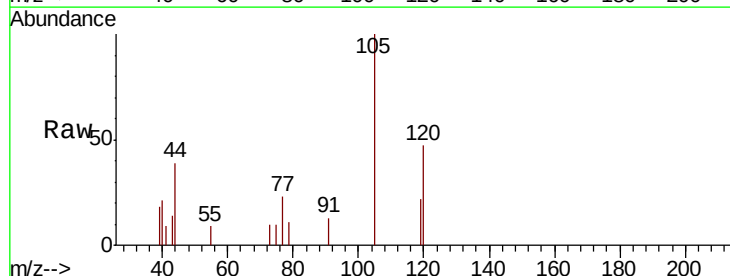
Instrument :
 MSVOA_N
 ClientSampled :
 T9-12-13-O-(0)

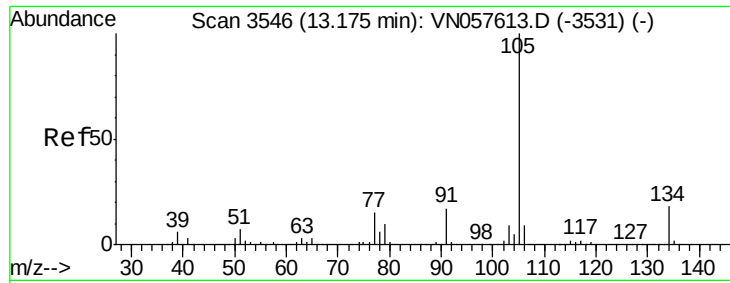
Tgt Ion:119 Resp: 1516
 Ion Ratio Lower Upper
 119 100
 91 51.6 38.3 114.9
 134 28.0 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 0.334 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

Tgt Ion:105 Resp: 2530
 Ion Ratio Lower Upper
 105 100
 120 41.9 20.8 62.5





#85

sec-Butylbenzene

Concen: 0.333 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

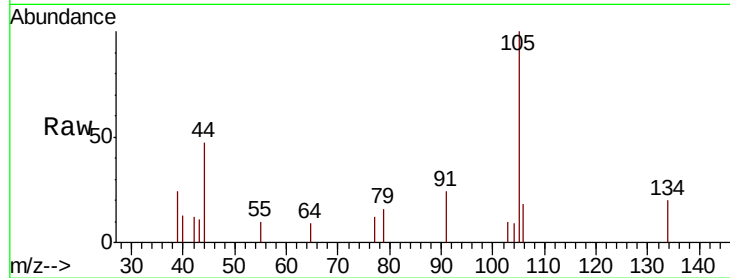
T9-12-13-O-(0)

Tgt Ion:105 Resp: 2974

Ion Ratio Lower Upper

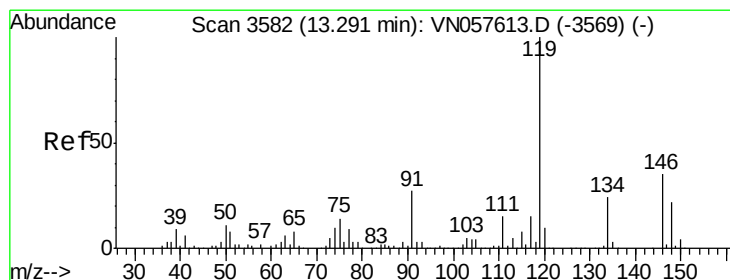
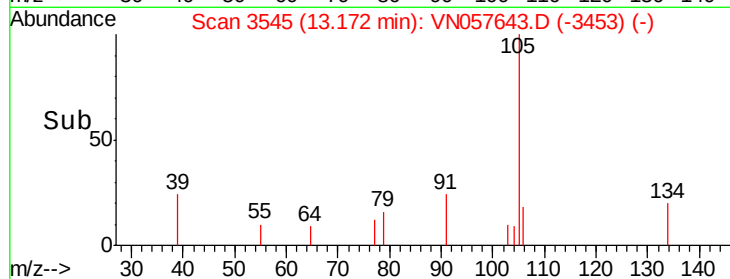
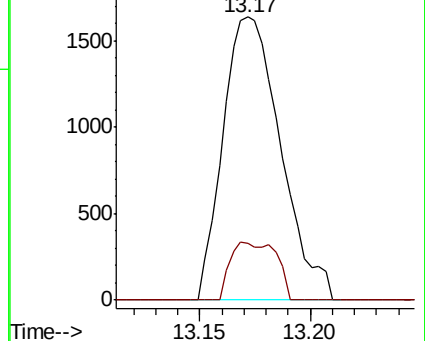
105 100

134 16.4 8.9 26.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.371 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057643.D

Acq: 1 Sep 2019 14:47

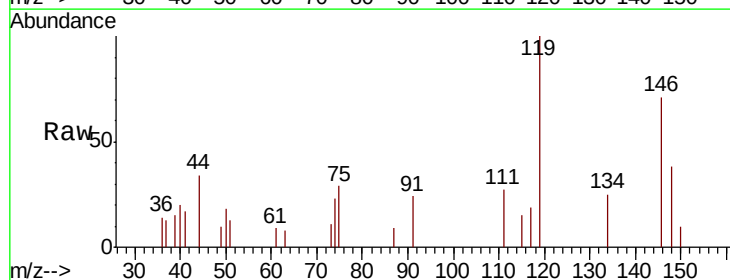
Tgt Ion:119 Resp: 2742

Ion Ratio Lower Upper

119 100

134 30.6 11.9 35.5

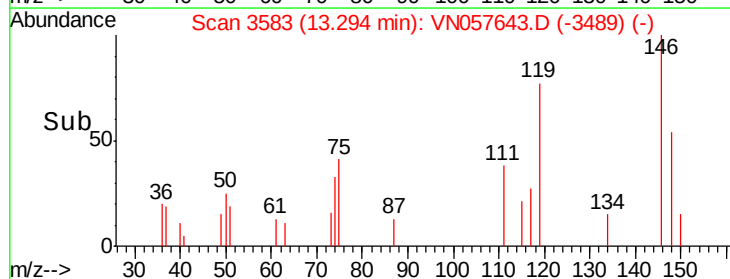
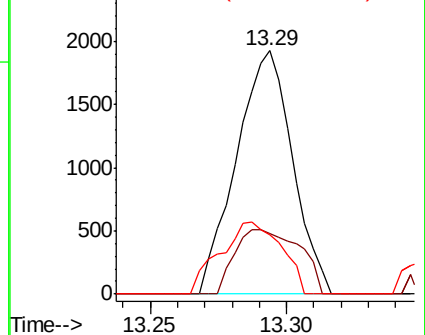
91 32.3 13.7 41.0

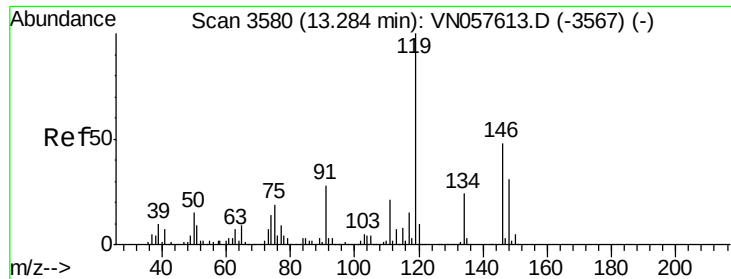


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

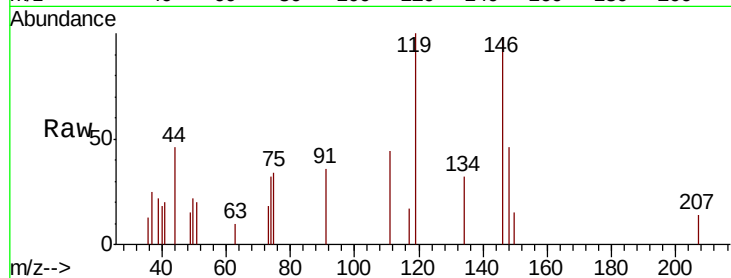




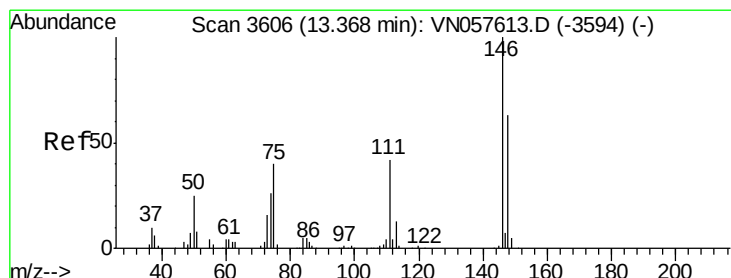
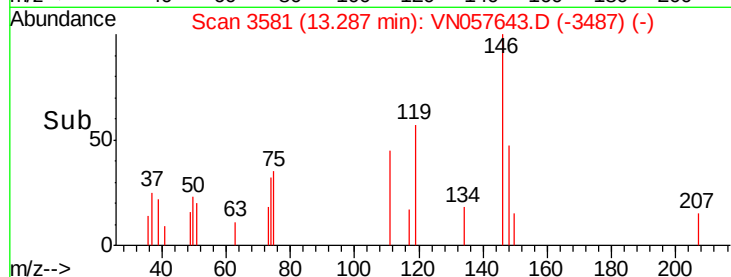
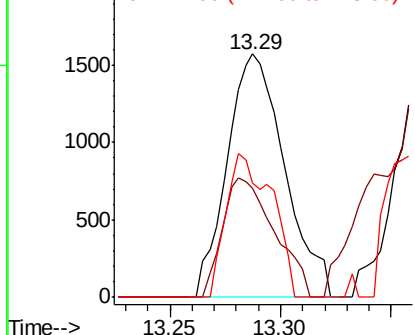
#87
 1,3-Dichlorobenzene
 Concen: 0.863 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-O-(0)

Tgt Ion:146 Resp: 2847
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.8 65.3
 148 47.0 31.4 94.2

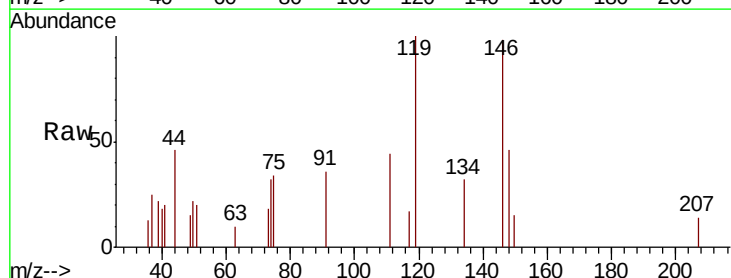


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

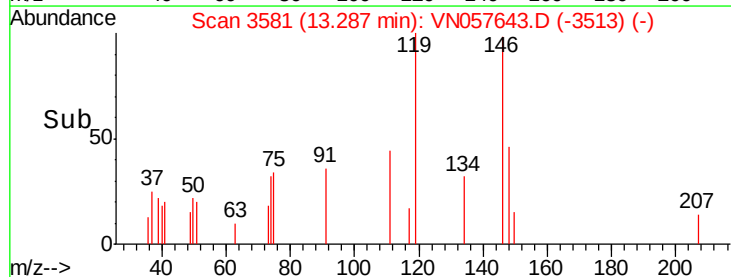
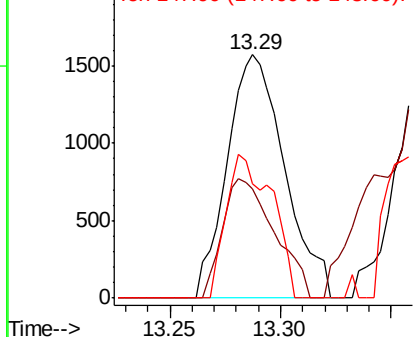


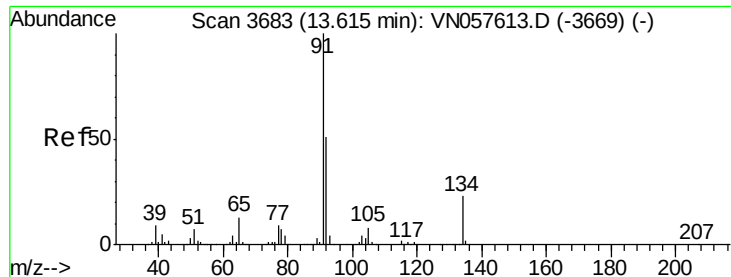
#88
 1,4-Dichlorobenzene
 Concen: 0.893 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

Tgt Ion:146 Resp: 2847
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.6 65.0
 148 47.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

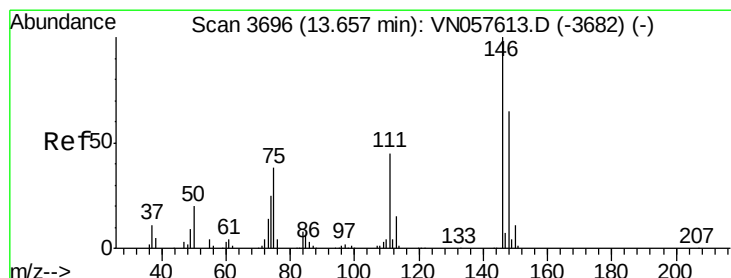
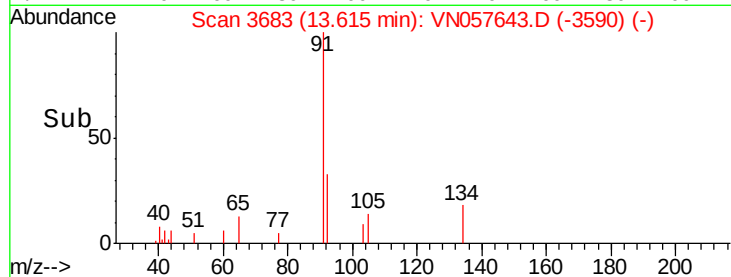
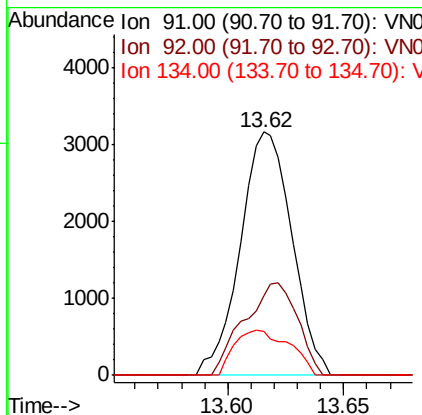
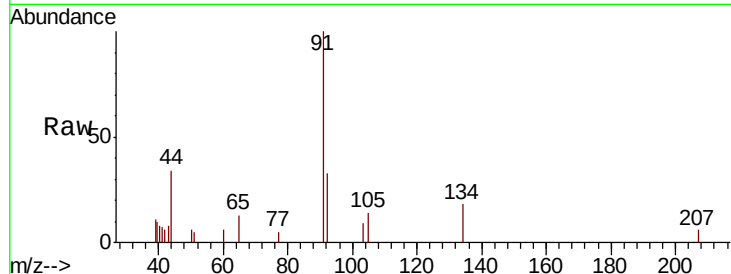




#89
n-Butylbenzene
Concen: 0.707 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

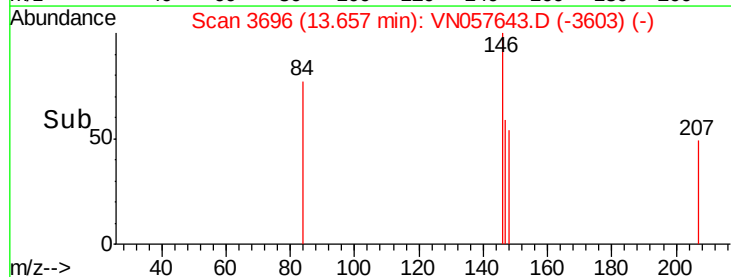
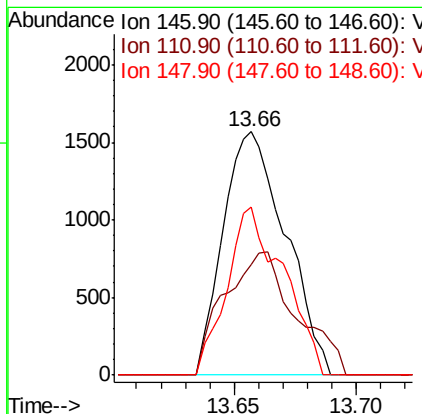
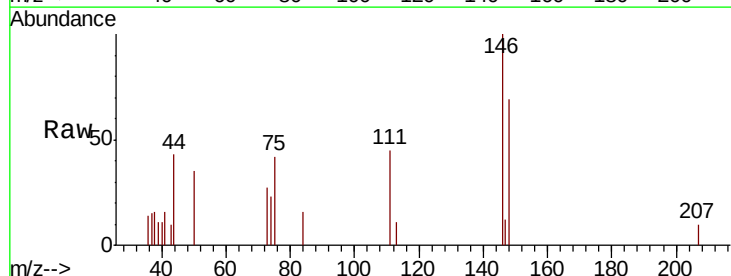
Instrument :
MSVOA_N
ClientSampleId :
T9-12-13-O-(0)

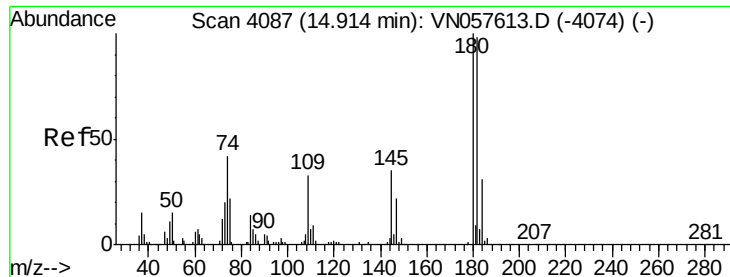
Tgt Ion: 91 Resp: 4896
Ion Ratio Lower Upper
91 100
92 39.1 25.4 76.0
134 19.6 11.0 33.0



#91
1,2-Dichlorobenzene
Concen: 0.887 ug/l
RT: 13.66 min Scan# 3696
Delta R.T. 0.00 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

Tgt Ion: 146 Resp: 2793
Ion Ratio Lower Upper
146 100
111 57.8 22.1 66.5
148 62.7 31.6 94.7

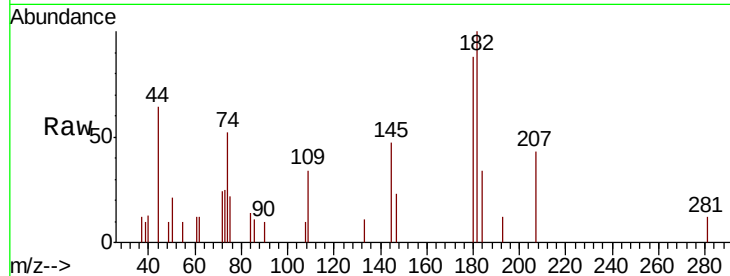




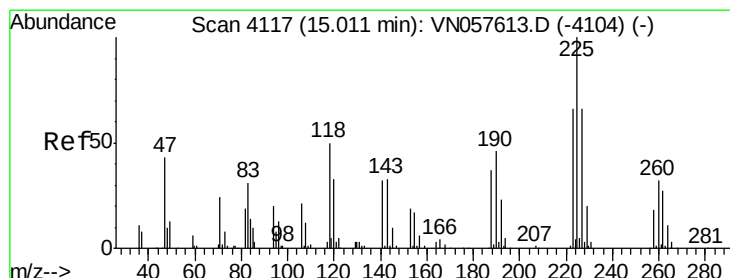
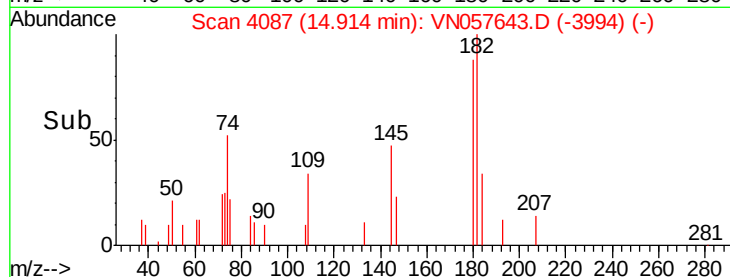
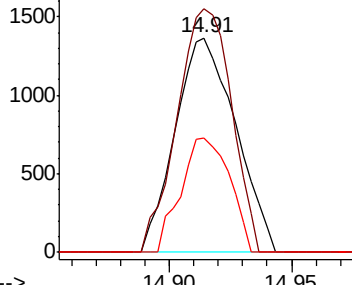
#93
 1,2,4-Trichlorobenzene
 Concen: 9.728 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-O-(0)

Tgt Ion:180 Resp: 2345
 Ion Ratio Lower Upper
 180 100
 182 102.4 47.8 143.3
 145 42.9 16.9 50.7

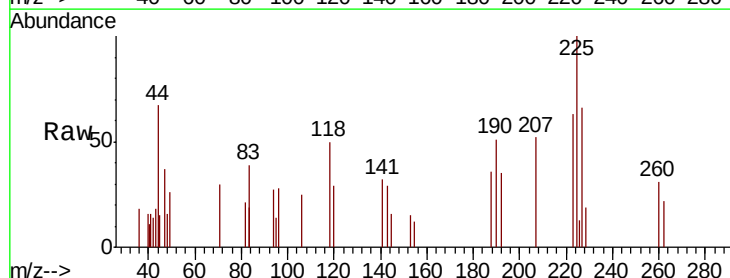


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

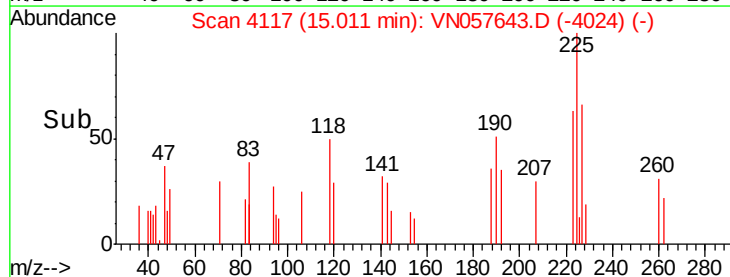
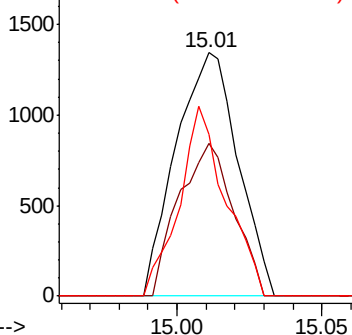


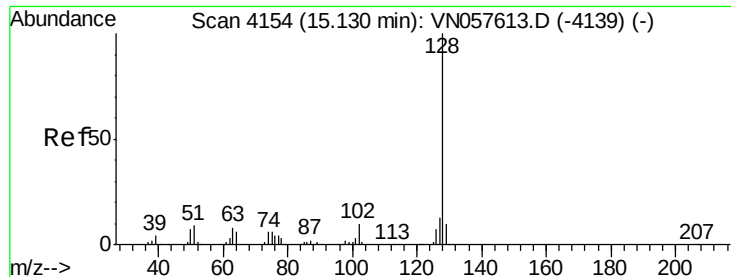
#94
 Hexachlorobutadiene
 Concen: 1.848 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057643.D
 Acq: 1 Sep 2019 14:47

Tgt Ion:225 Resp: 1996
 Ion Ratio Lower Upper
 225 100
 223 55.7 32.3 96.8
 227 58.4 32.4 97.2



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

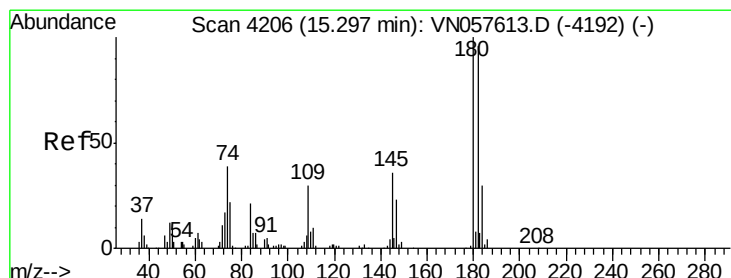
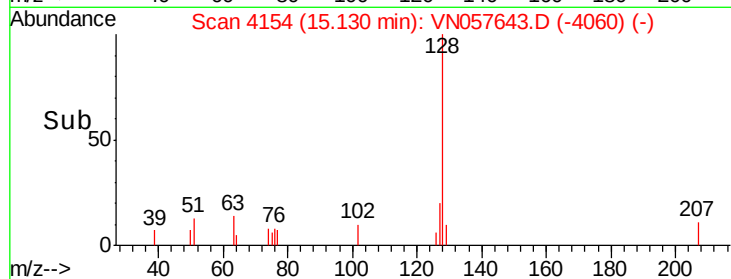
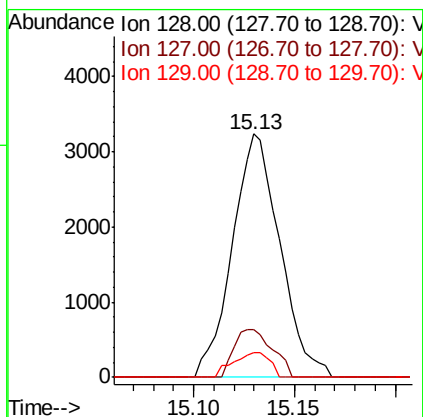
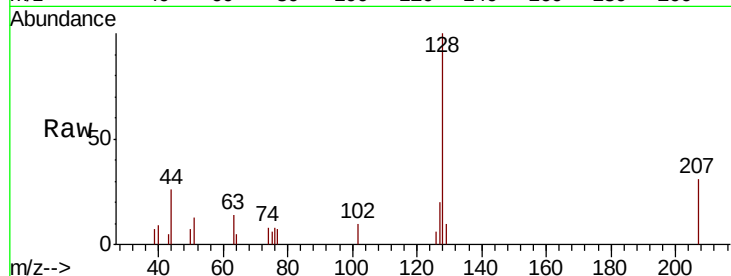




#95
Naphthalene
Concen: 8.040 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
T9-12-13-O-(0)

Tgt Ion:128 Resp: 5336
Ion Ratio Lower Upper
128 100
127 16.0 10.2 15.2#
129 7.9 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 9.180 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057643.D
Acq: 1 Sep 2019 14:47

Tgt Ion:180 Resp: 2291
Ion Ratio Lower Upper
180 100
182 103.0 46.3 138.9
145 44.8 17.8 53.3

