

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081119\
 Data File : VN057181.D
 Acq On : 11 Aug 2019 12:38
 Operator : JC/SP
 Sample : K4227-22
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1S-I(0)

Quant Time: Aug 12 05:53:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1395876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1936861	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1631117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	444813	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	627090	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	
35) Dibromofluoromethane	6.99	113	580450	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
50) Toluene-d8	9.56	98	2273244	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.92	95	619559	41.35	ug/l	0.00
Spiked Amount			Recovery	=	82.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.44	94	2700	0.287	ug/l #	68
8) Diethyl Ether	3.15	74	1676	0.218	ug/l	98
13) Acrolein	3.32	56	381	0.295	ug/l #	79
16) Acetone	3.48	43	25221	5.817	ug/l	93
18) Methyl Acetate	3.91	43	15562	0.555	ug/l	98
20) Methylene Chloride	4.10	84	17975	1.256	ug/l	94
29) Tetrahydrofuran	6.61	42	1180	0.264	ug/l #	51
31) Cyclohexane	7.05	56	20047	0.963	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	82202	5.155	ug/l #	48
37) Ethyl Acetate	6.28	43	128	Below Cal	#	70
38) Carbon Tetrachloride	7.05	117	116862	7.032	ug/l #	16
43) Isopropyl Acetate	7.56	43	52070	2.321	ug/l #	89
48) Methyl methacrylate	8.62	41	21506	2.033	ug/l #	11
49) 1,4-Dioxane	8.65	88	178	0.826	ug/l #	27
51) 4-Methyl-2-Pentanone	9.44	43	9881	0.757	ug/l	97
54) cis-1,3-Dichloropropene	9.36	75	141681	7.288	ug/l #	62
57) 1,3-Dichloropropane	10.25	76	28300	1.393	ug/l #	43
59) 2-Hexanone	10.25	43	362026	40.970	ug/l #	49
60) Dibromochloromethane	10.12	129	4282	0.331	ug/l #	11
64) Tetrachloroethene	10.11	164	5179	0.382	ug/l #	89
68) m/p-Xylenes	11.13	106	4314	0.207	ug/l	83
71) Bromoform	11.92	173	3283	0.365	ug/l #	1
73) Isopropylbenzene	11.77	105	4157	Below Cal		93
74) N-amyl acetate	11.59	43	2416	0.214	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.03	83	339	Below Cal	#	90
76) 1,2,3-Trichloropropane	11.92	75	285708	31.831	ug/l #	100
79) 2-Chlorotoluene	12.20	91	4162	Below Cal		88
81) trans-1,4-Dichloro-2-buten	11.92	75	285708	94.442	ug/l #	14
82) 4-Chlorotoluene	12.30	91	5445	0.220	ug/l	99
83) tert-Butylbenzene	12.52	119	3461	Below Cal		97
87) 1,3-Dichlorobenzene	12.82	146	4939	0.324	ug/l	88
88) 1,4-Dichlorobenzene	12.82	146	4939	0.342	ug/l	87
89) n-Butylbenzene	13.15	91	7067	0.301	ug/l	86
90) Hexachloroethane	13.40	117	70	Below Cal	#	9

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QLast Update : Thu Aug 08 06:49:25 2019
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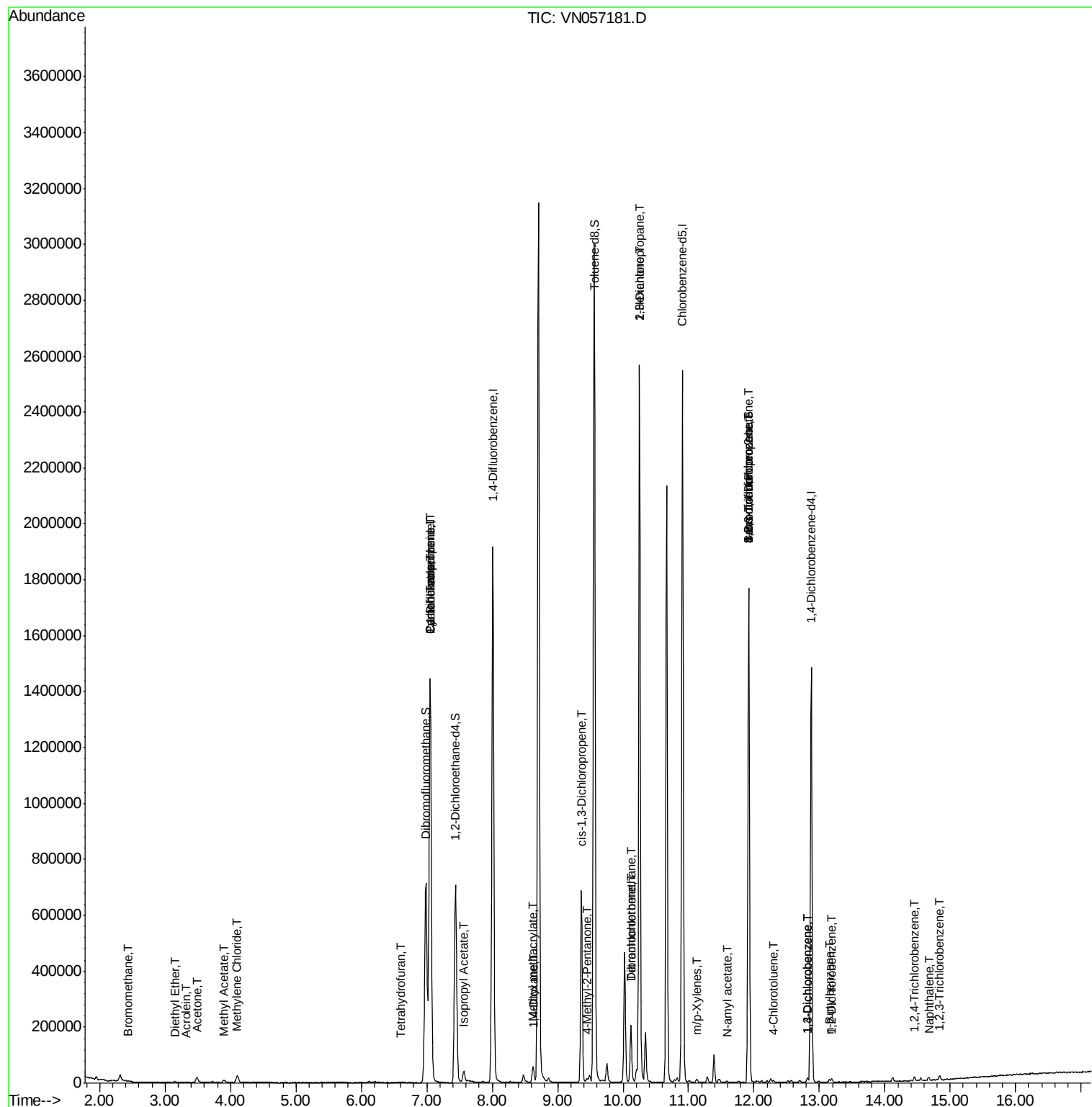
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.18	146	5810	0.382	ug/l	97
93) 1,2,4-Trichlorobenzene	14.45	180	5126	6.631	ug/l	88
94) Hexachlorobutadiene	14.55	225	2004	Below Cal		89
95) Naphthalene	14.67	128	9110	3.597	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.84	180	5313	6.427	ug/l	80

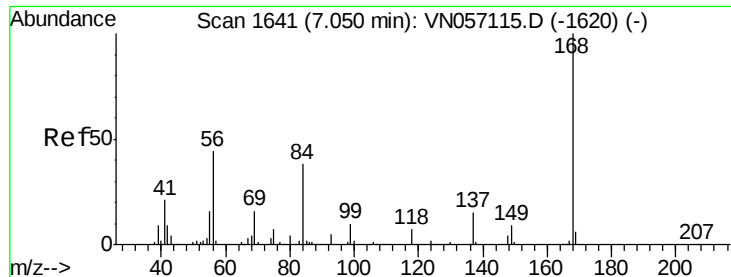
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

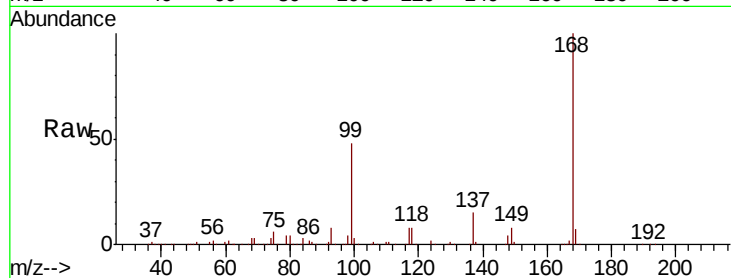
1S-I(0)

Tgt Ion:168 Resp: 1395876

Ion Ratio Lower Upper

168 100

99 48.2 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.05

600000

500000

400000

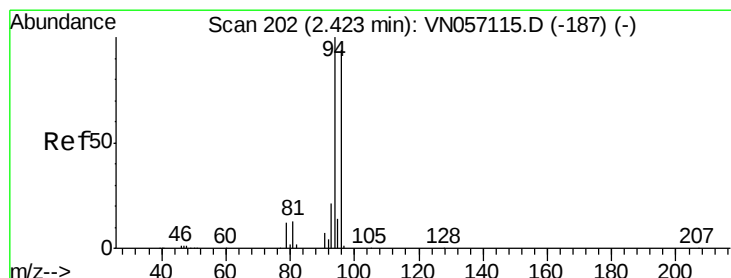
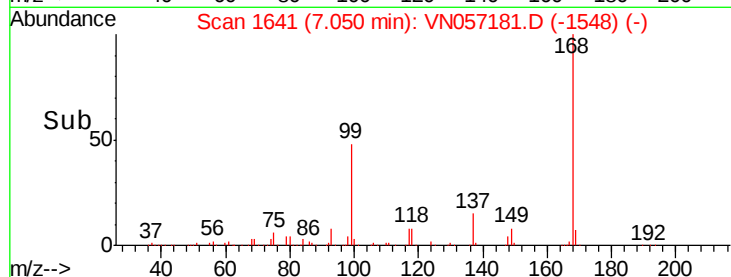
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 0.287 ug/l

RT: 2.44 min Scan# 206

Delta R.T. 0.01 min

Lab File: VN057181.D

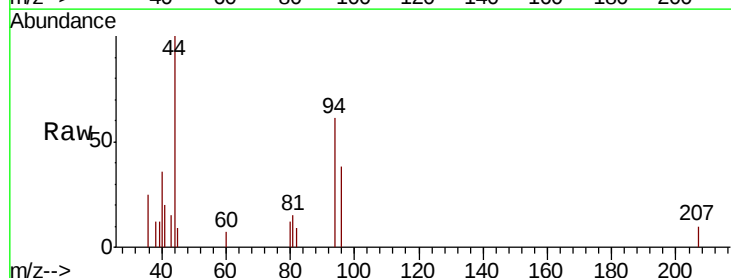
Acq: 11 Aug 2019 12:38

Tgt Ion: 94 Resp: 2700

Ion Ratio Lower Upper

94 100

96 62.4 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

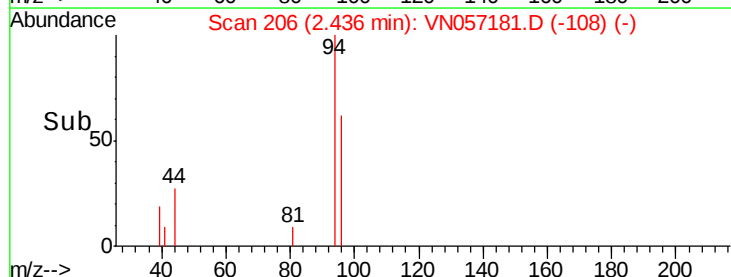
1500

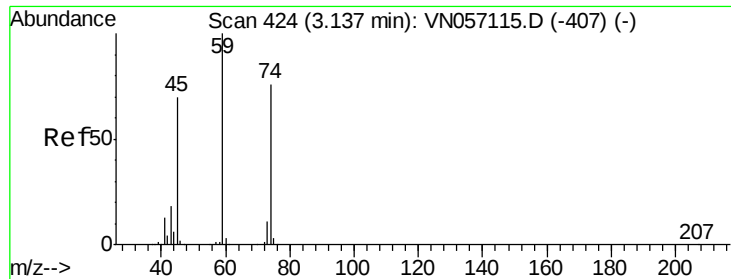
1000

500

0

Time--> 2.40 2.45





#8

Diethyl Ether

Concen: 0.218 ug/l

RT: 3.15 min Scan# 427

Delta R.T. 0.01 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

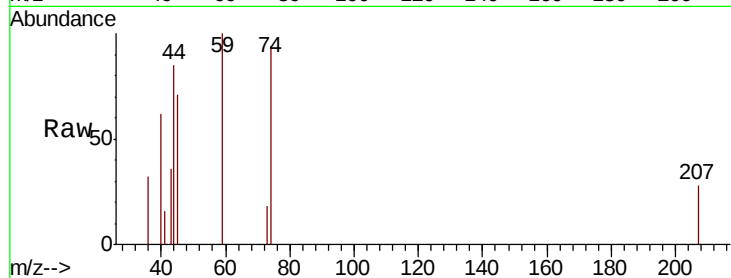
1S-I(0)

Tgt Ion: 74 Resp: 1676

Ion Ratio Lower Upper

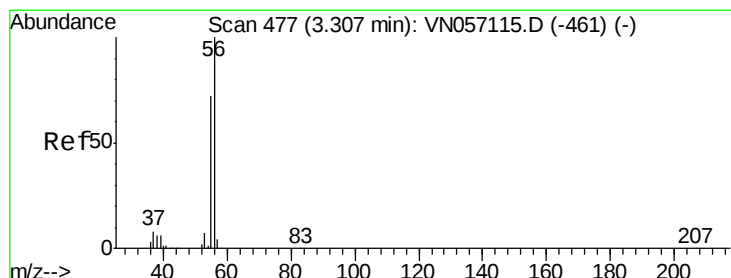
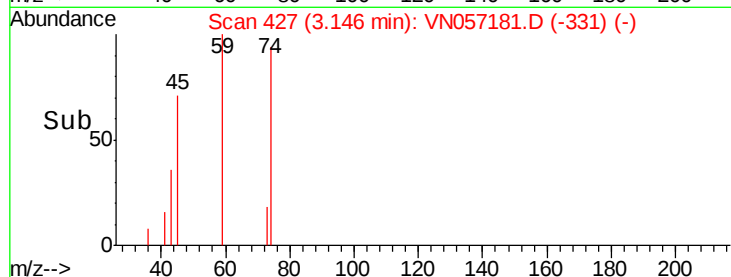
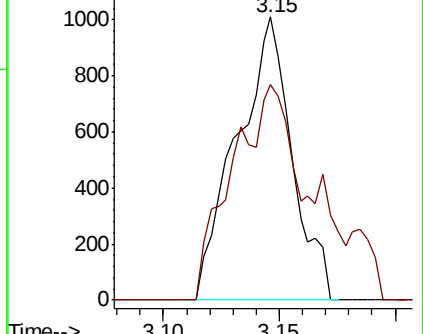
74 100

45 90.2 46.3 138.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#13

Acrolein

Concen: 0.295 ug/l

RT: 3.32 min Scan# 482

Delta R.T. 0.02 min

Lab File: VN057181.D

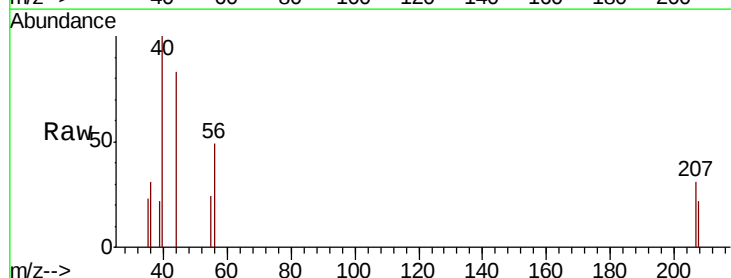
Acq: 11 Aug 2019 12:38

Tgt Ion: 56 Resp: 381

Ion Ratio Lower Upper

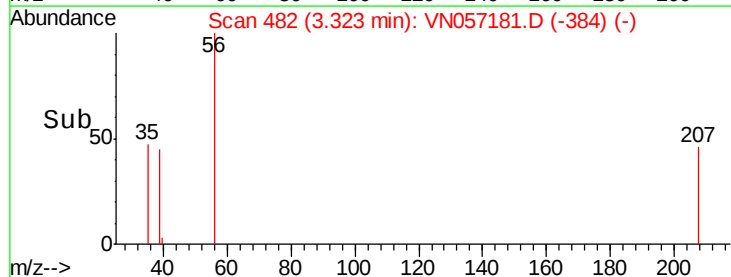
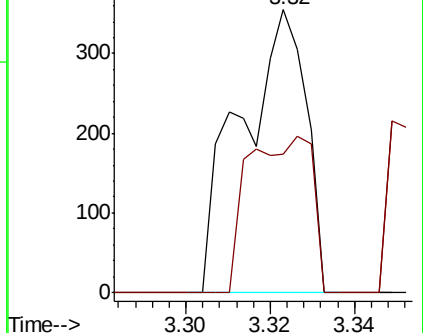
56 100

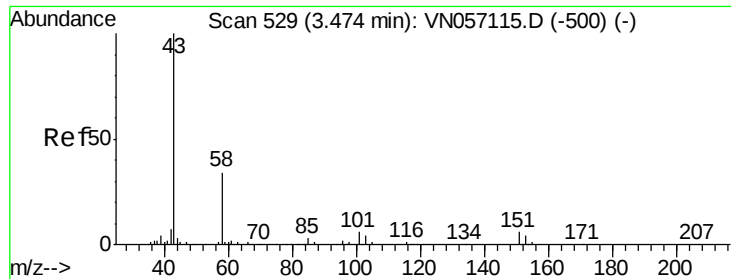
55 54.6 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 5.817 ug/l

RT: 3.48 min Scan# 532

Delta R.T. 0.01 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

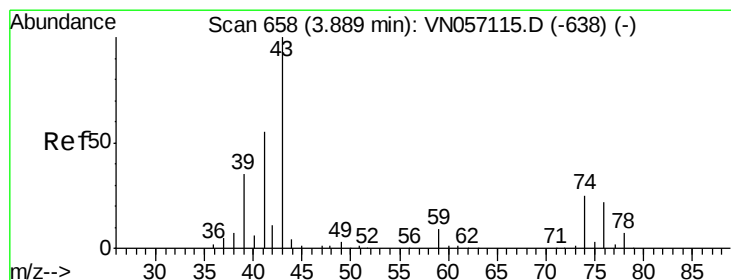
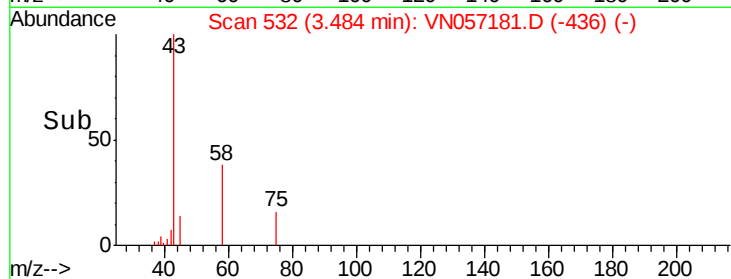
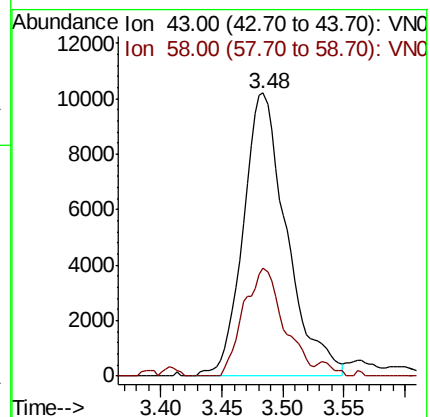
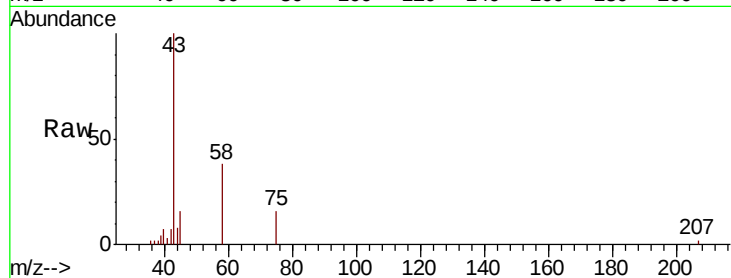
1S-I(0)

Tgt Ion: 43 Resp: 25221

Ion Ratio Lower Upper

43 100

58 38.1 27.4 41.2



#18

Methyl Acetate

Concen: 0.555 ug/l

RT: 3.91 min Scan# 663

Delta R.T. 0.02 min

Lab File: VN057181.D

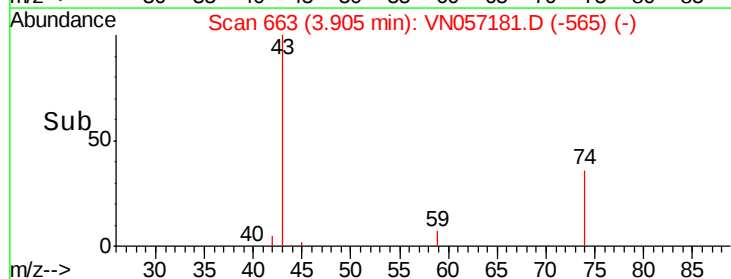
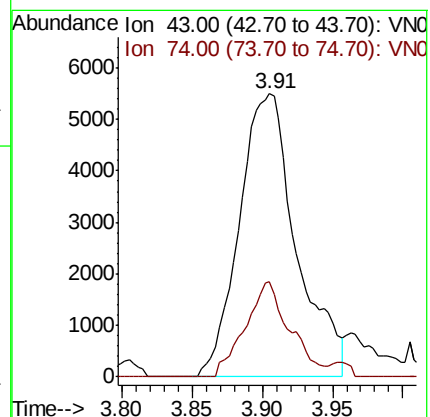
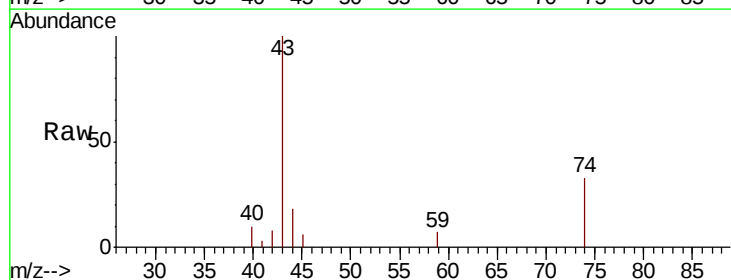
Acq: 11 Aug 2019 12:38

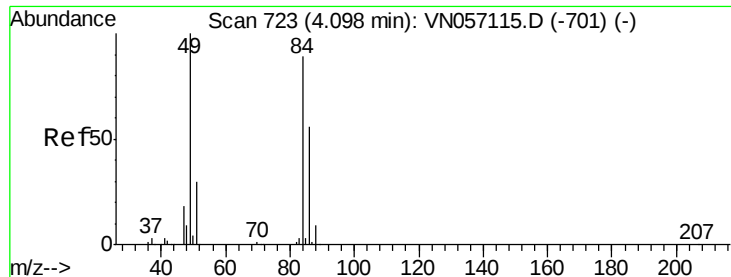
Tgt Ion: 43 Resp: 15562

Ion Ratio Lower Upper

43 100

74 26.3 20.2 30.4

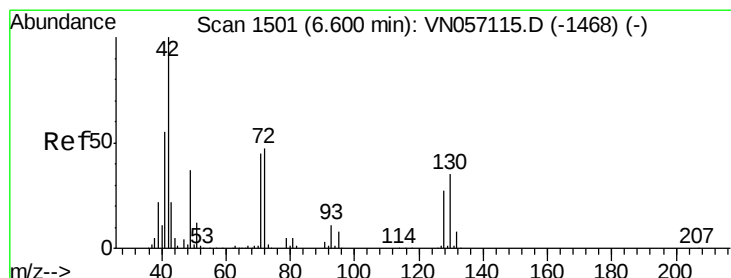
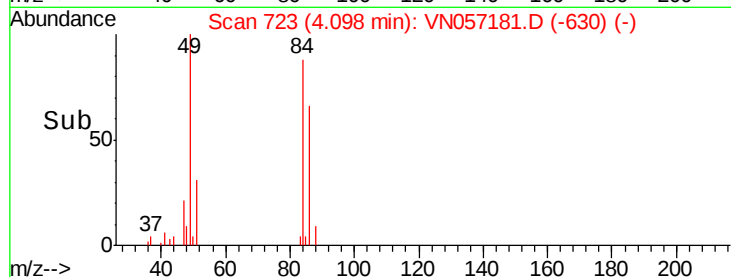
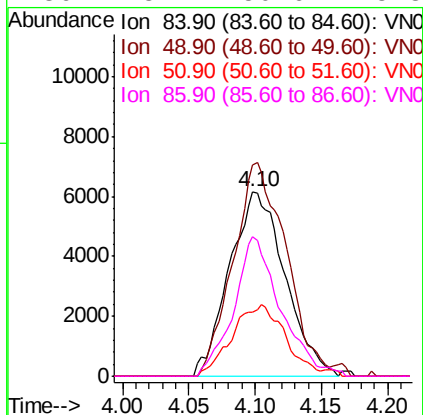
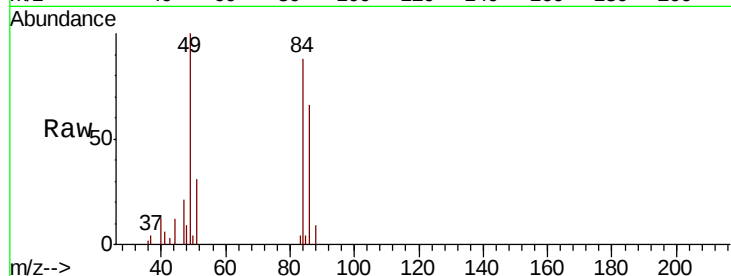




#20
Methylene Chloride
Concen: 1.256 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057181.D
Acq: 11 Aug 2019 12:38

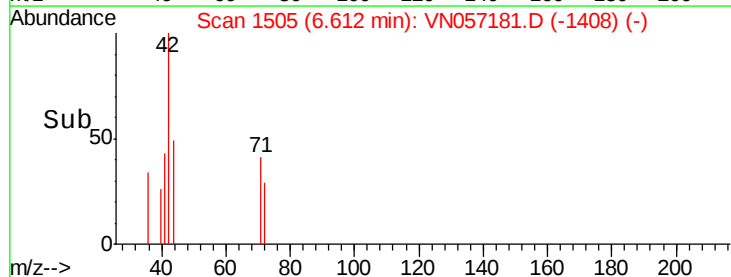
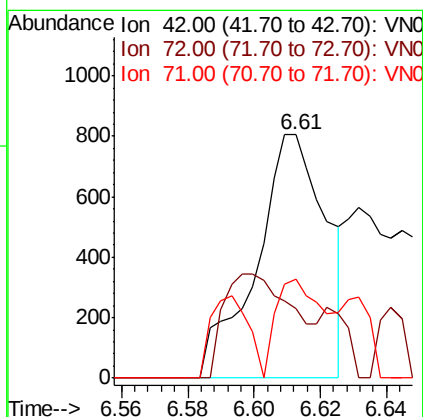
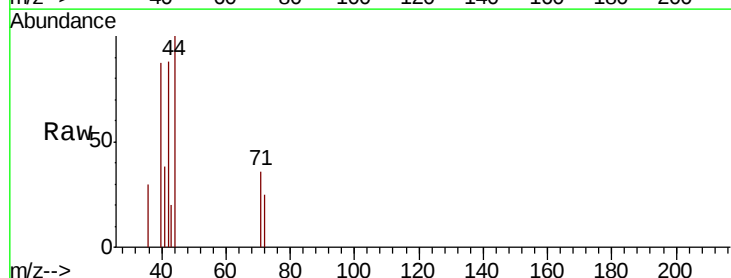
Instrument :
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1S-I(0)

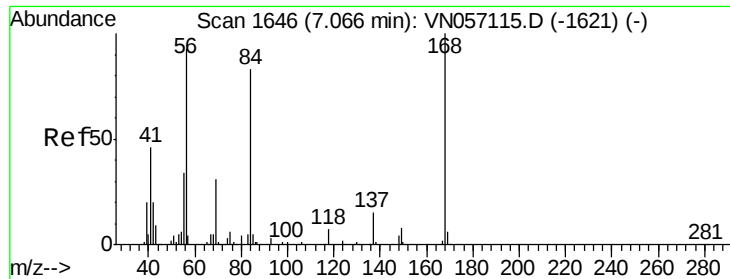
Tgt Ion:	84	Resp:	17975
Ion	Ratio	Lower	Upper
84	100		
49	114.3	89.5	134.3
51	34.9	27.2	40.8
86	75.7	50.6	75.8



#29
Tetrahydrofuran
Concen: 0.264 ug/l
RT: 6.61 min Scan# 1505
Delta R.T. 0.01 min
Lab File: VN057181.D
Acq: 11 Aug 2019 12:38

Tgt Ion:	42	Resp:	1180
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.1	55.7#
71	26.0	34.8	52.2#

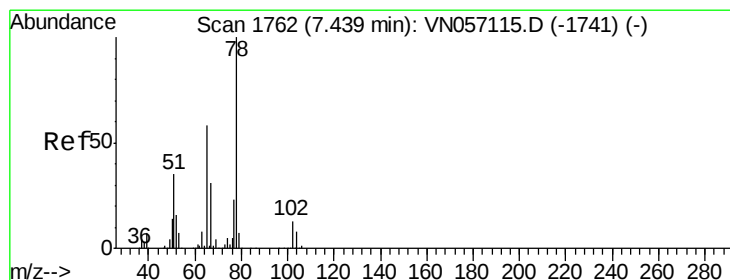
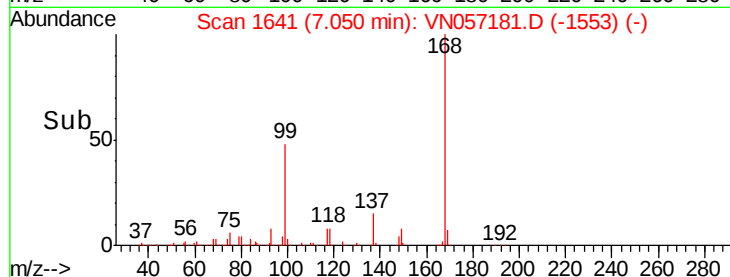
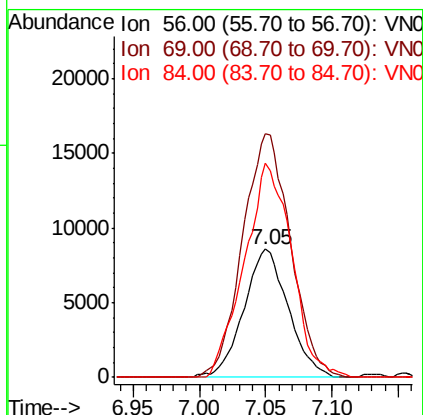
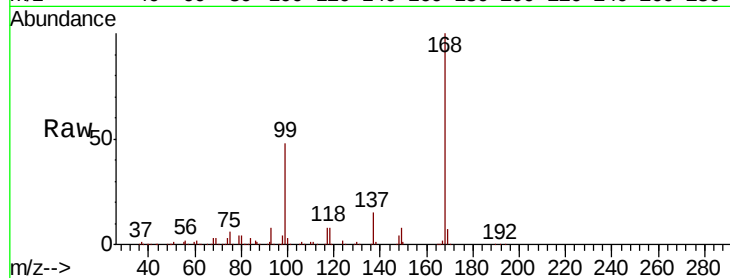




#31
Cyclohexane
Concen: 0.963 ug/l
RT: 7.05 min Scan# 1641
Delta R.T. -0.02 min
Lab File: VN057181.D
Acq: 11 Aug 2019 12:38

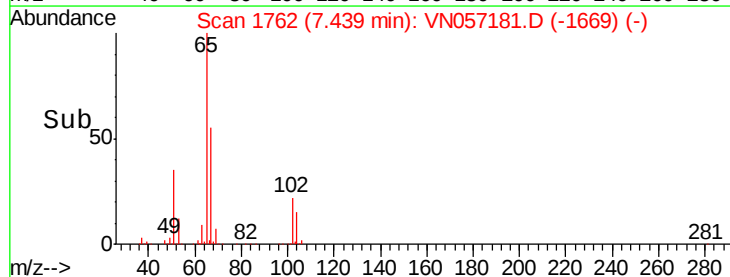
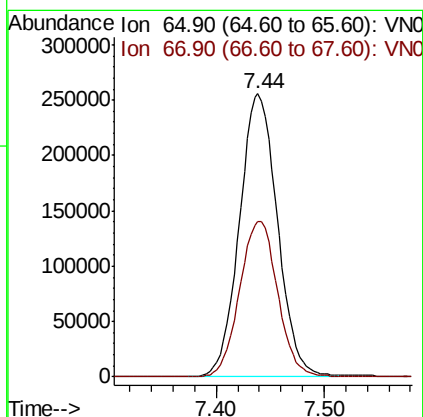
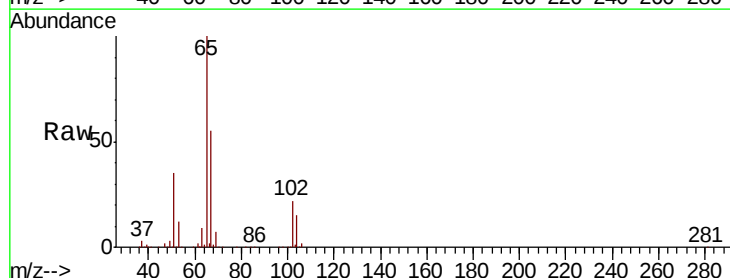
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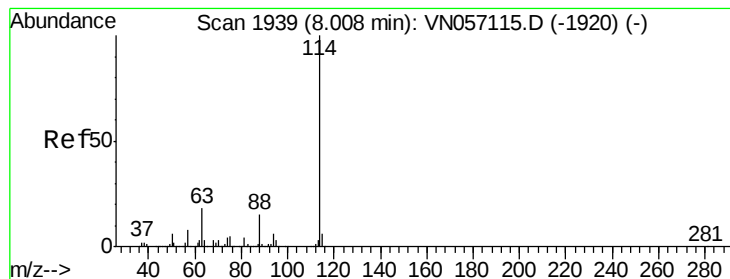
Tgt Ion: 56 Resp: 20047
Ion Ratio Lower Upper
56 100
69 190.2 26.9 40.3#
84 167.0 71.9 107.9#



#33
1,2-Dichloroethane-d4
Concen: 43.683 ug/l
RT: 7.44 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VN057181.D
Acq: 11 Aug 2019 12:38

Tgt Ion: 65 Resp: 627090
Ion Ratio Lower Upper
65 100
67 55.0 0.0 108.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

1S-I(0)

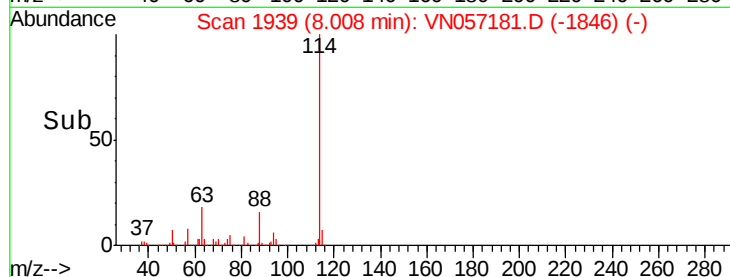
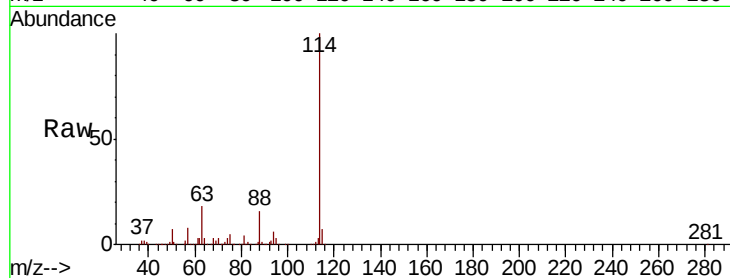
Tgt Ion:114 Resp: 1936861

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.2

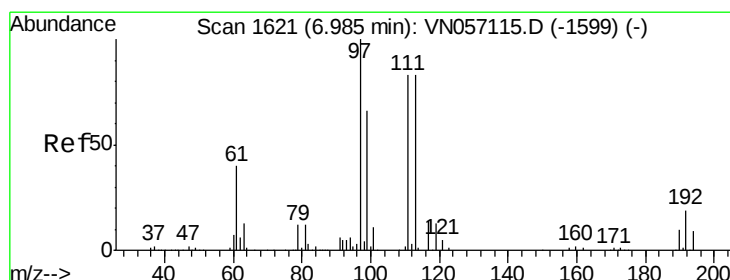
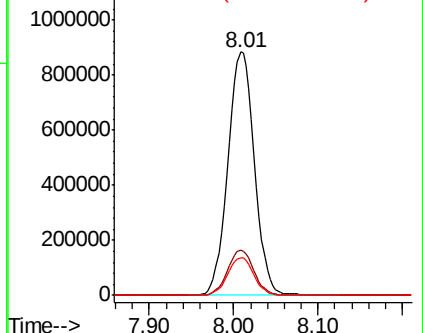
88 15.7 0.0 30.0



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: 47.758 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

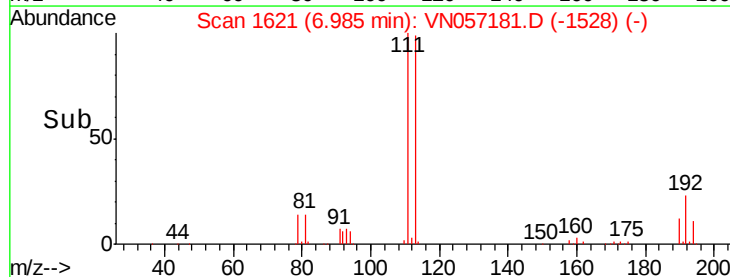
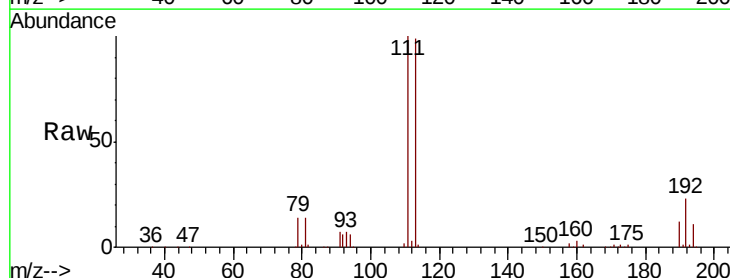
Tgt Ion:113 Resp: 580450

Ion Ratio Lower Upper

113 100

111 103.3 81.3 121.9

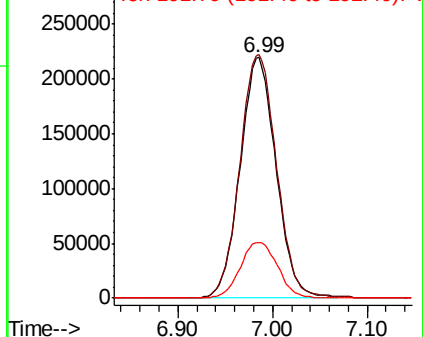
192 24.0 19.0 28.4

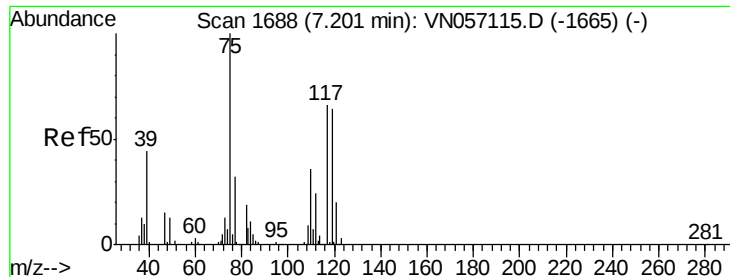


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

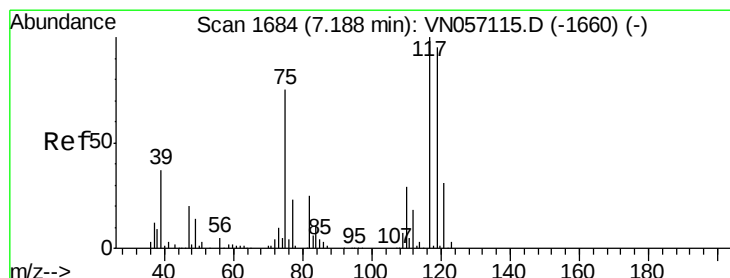
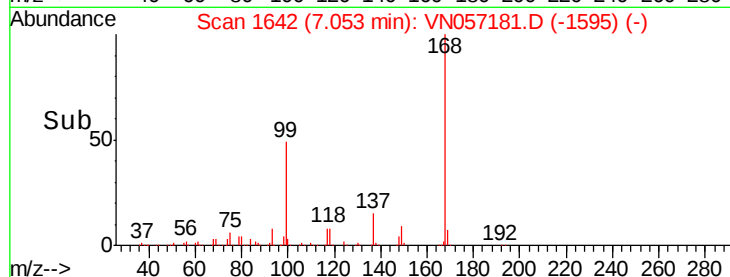
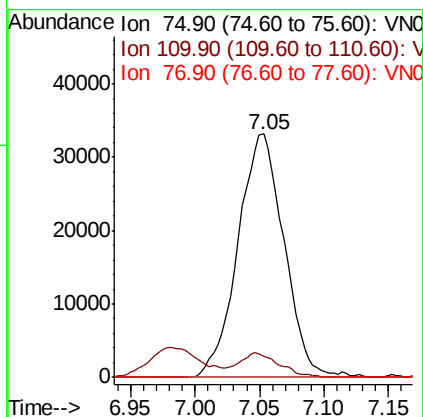
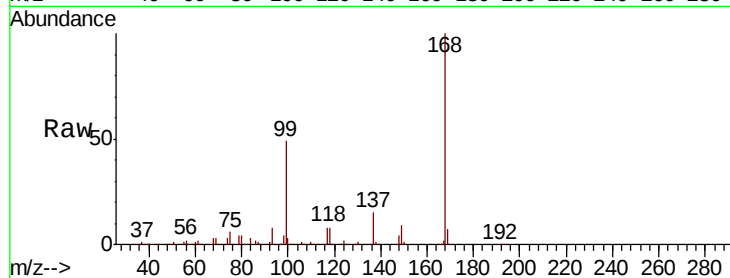




#36
 1,1-Dichloropropene
 Concen: 5.155 ug/l
 RT: 7.05 min Scan# 1642
 Delta R.T. -0.15 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

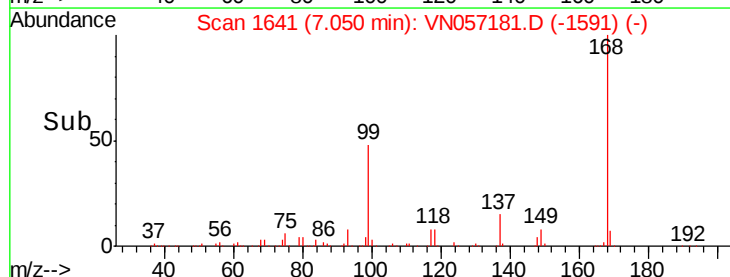
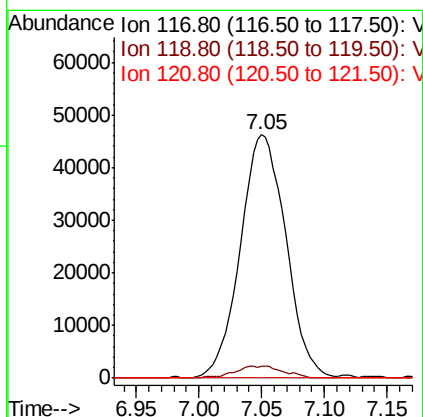
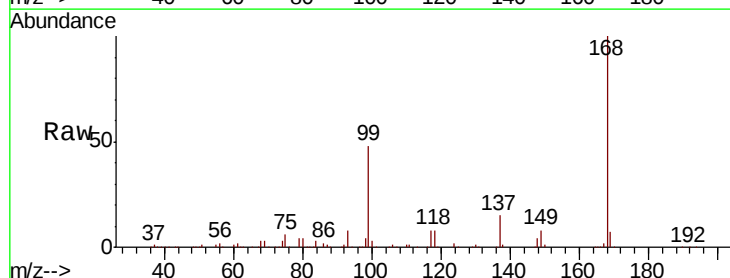
Instrument :
 MSVOA_N
 ClientSampleId :
 1S-I(0)

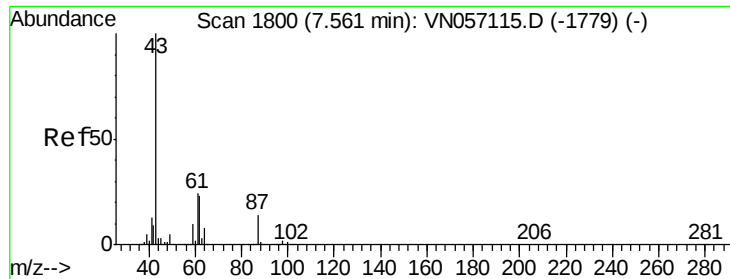
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.7	56.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.032 ug/l
 RT: 7.05 min Scan# 1641
 Delta R.T. -0.14 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.8	113.6#
121	0.0	24.4	36.6#





#43

Isopropyl Acetate

Concen: 2.321 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

1S-I-(0)

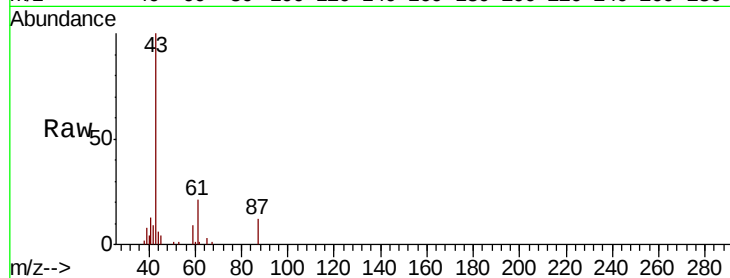
Tgt Ion: 43 Resp: 52070

Ion Ratio Lower Upper

43 100

61 21.6 24.2 36.2#

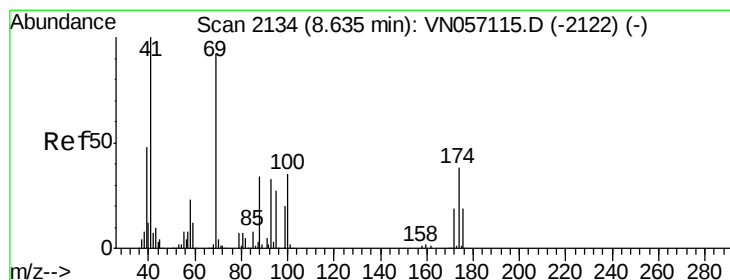
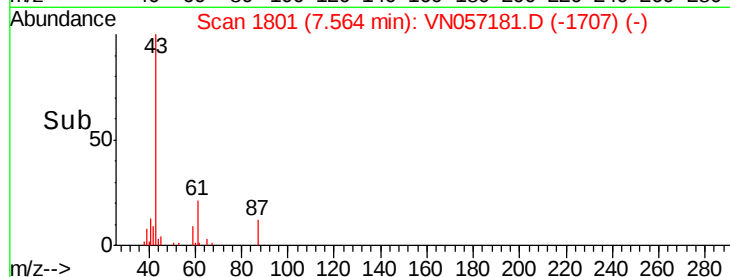
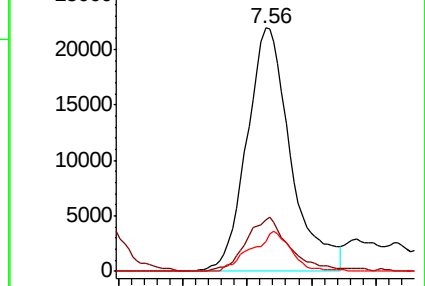
87 14.8 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-1779) (-)

Ion 61.00 (60.70 to 61.70): VN057115.D (-1779) (-)

Ion 87.00 (86.70 to 87.70): VN057115.D (-1779) (-)



#48

Methyl methacrylate

Concen: 2.033 ug/l

RT: 8.62 min Scan# 2129

Delta R.T. -0.02 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

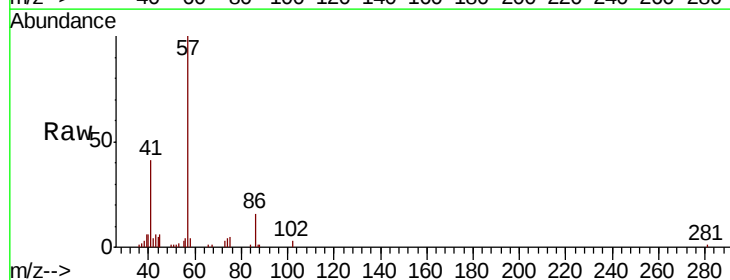
Tgt Ion: 41 Resp: 21506

Ion Ratio Lower Upper

41 100

69 0.7 77.5 116.3#

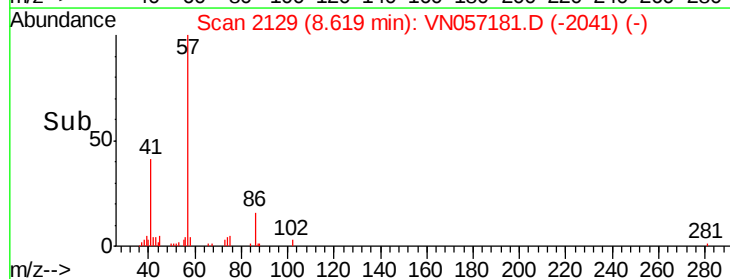
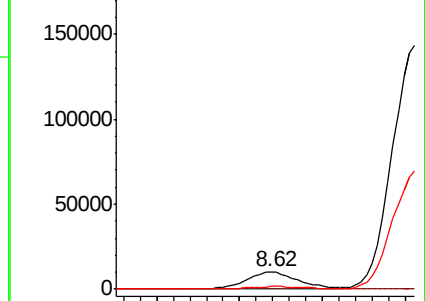
39 0.0 39.8 59.6#

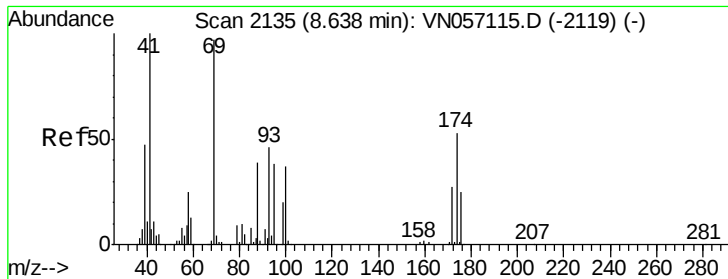


Abundance Ion 41.00 (40.70 to 41.70): VN057115.D (-2122) (-)

Ion 69.00 (68.70 to 69.70): VN057115.D (-2122) (-)

Ion 39.00 (38.70 to 39.70): VN057115.D (-2122) (-)

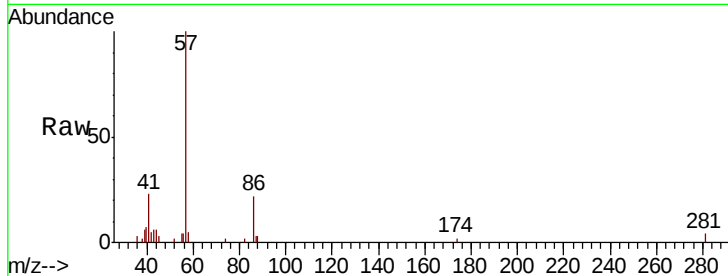




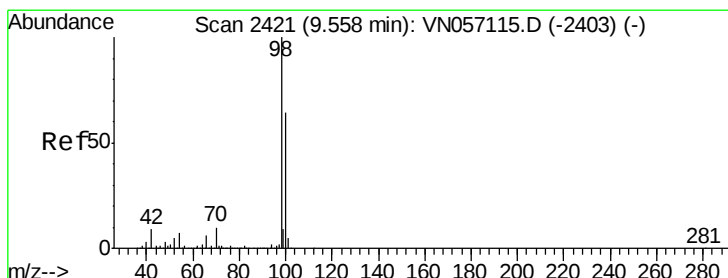
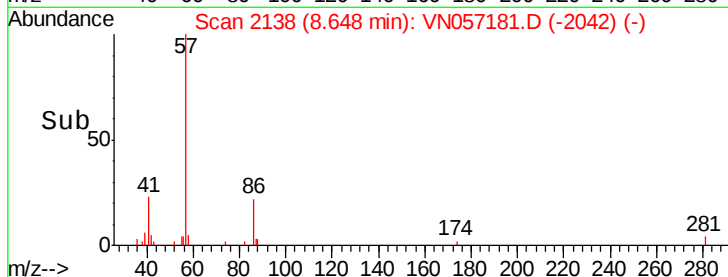
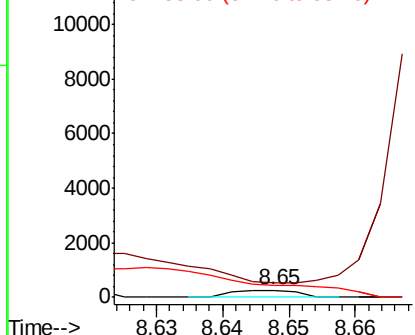
#49
1,4-Dioxane
Concen: 0.826 ug/l
RT: 8.65 min Scan# 2138
Delta R.T. 0.01 min
Lab File: VN057181.D
Acq: 11 Aug 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
1S-I(0)

Tgt Ion: 88 Resp: 178
Ion Ratio Lower Upper
88 100
43 0.0 21.7 32.5#
58 0.0 51.1 76.7#

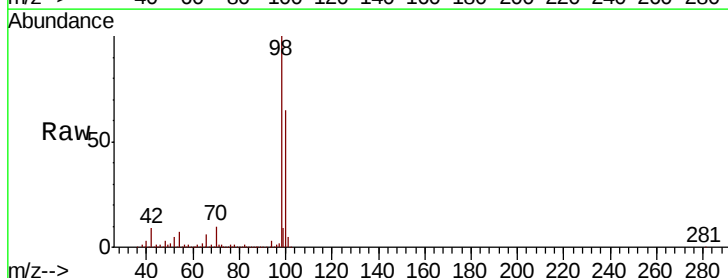


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

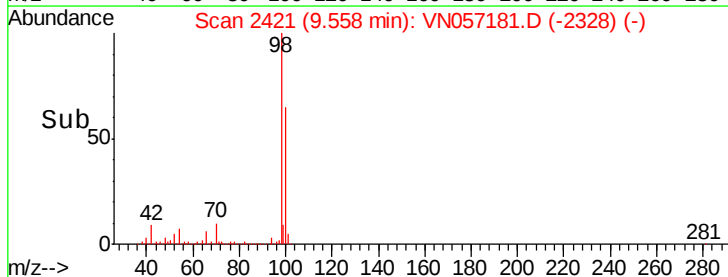
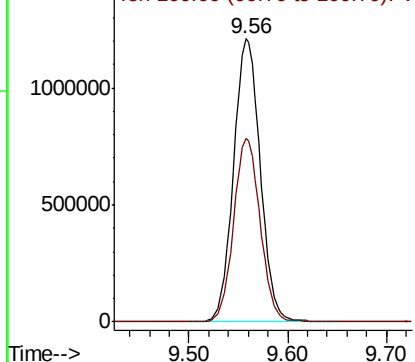


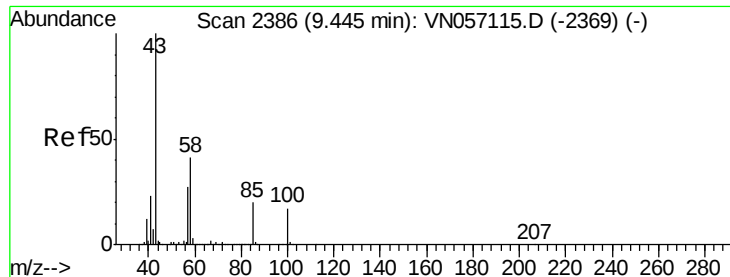
#50
Toluene-d8
Concen: 48.888 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057181.D
Acq: 11 Aug 2019 12:38

Tgt Ion: 98 Resp: 2273244
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



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

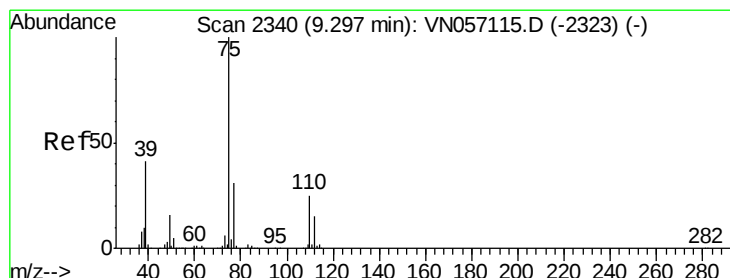
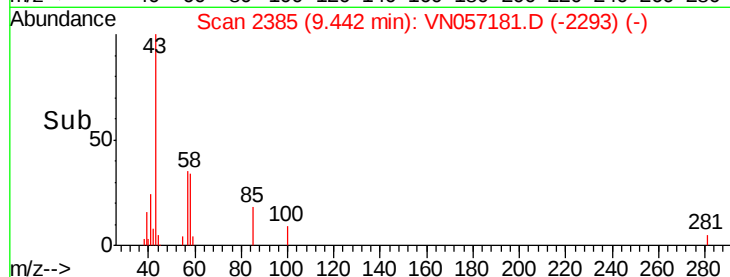
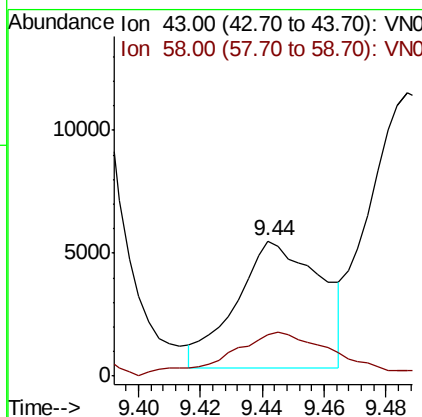
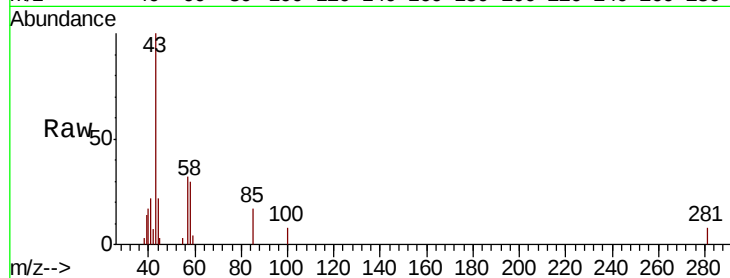




#51
 4-Methyl-2-Pentanone
 Concen: 0.757 ug/l
 RT: 9.44 min Scan# 2385
 Delta R.T. -0.00 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

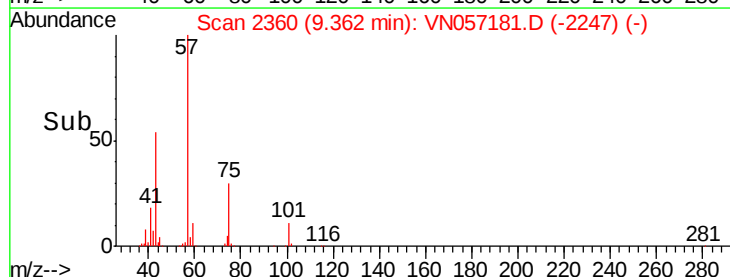
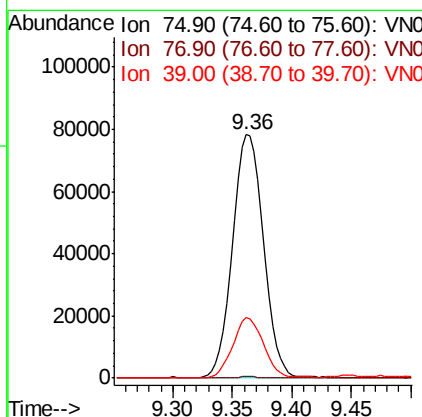
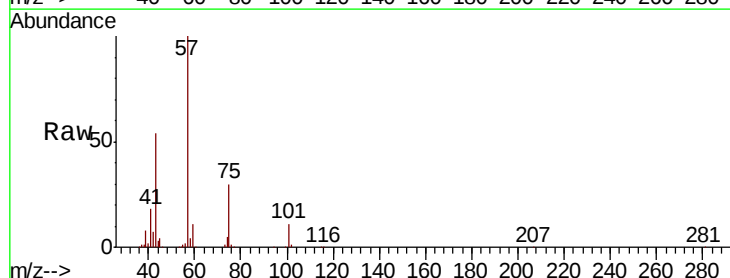
Instrument :
 MSVOA_N
 ClientSampleId :
 1S-I-(0)

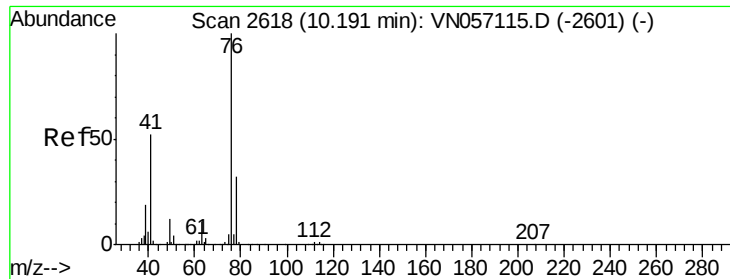
Tgt Ion: 43 Resp: 9881
 Ion Ratio Lower Upper
 43 100
 58 43.5 33.2 49.8



#54
 cis-1,3-Dichloropropene
 Concen: 7.288 ug/l
 RT: 9.36 min Scan# 2360
 Delta R.T. 0.06 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

Tgt Ion: 75 Resp: 141681
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.1 37.7#
 39 24.9 32.5 48.7#

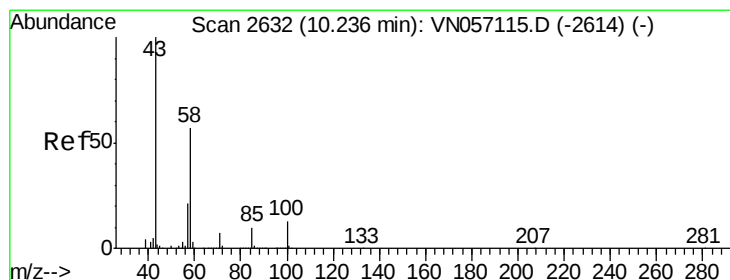
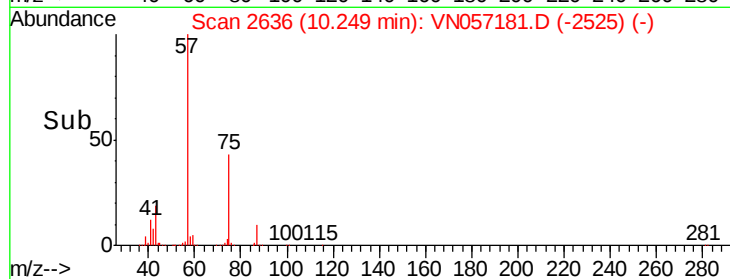
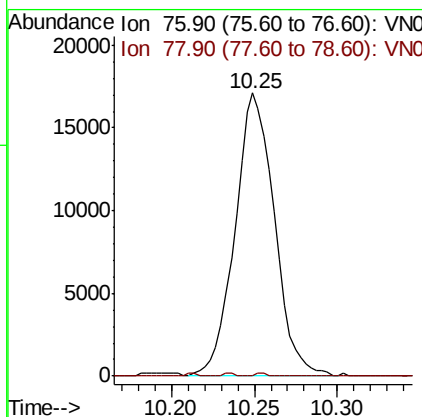
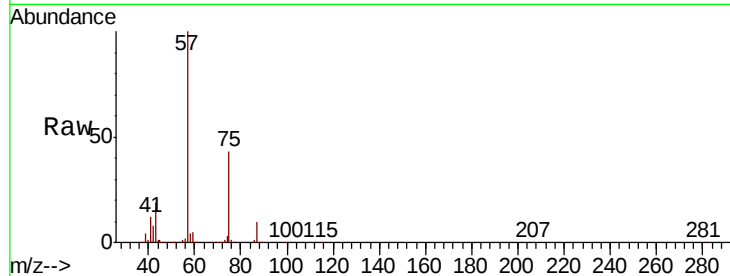




#57
 1,3-Dichloropropane
 Concen: 1.393 ug/l
 RT: 10.25 min Scan# 2636
 Delta R.T. 0.06 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

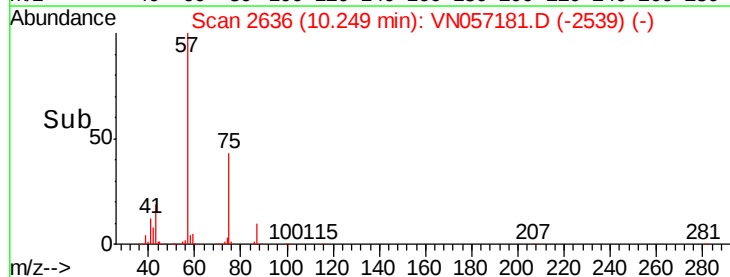
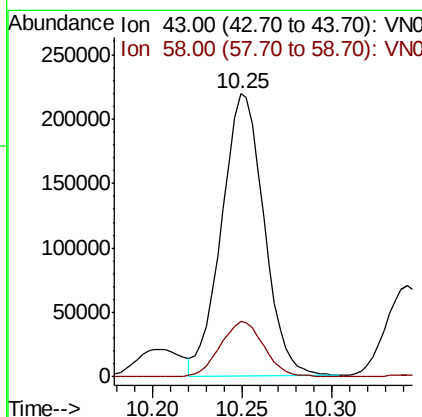
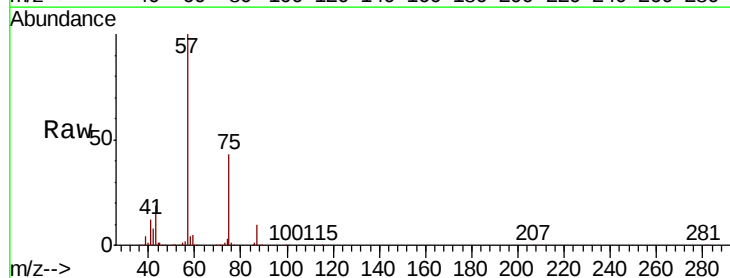
Instrument :
 MSVOA_N
 ClientSampleId :
 1S-I(0)

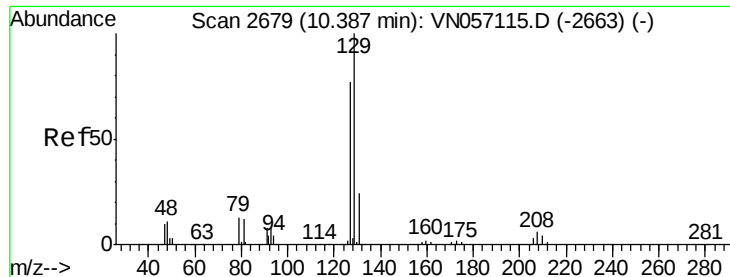
Tgt Ion: 76 Resp: 28300
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.9 38.9#



#59
 2-Hexanone
 Concen: 40.970 ug/l
 RT: 10.25 min Scan# 2636
 Delta R.T. 0.01 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

Tgt Ion: 43 Resp: 362026
 Ion Ratio Lower Upper
 43 100
 58 20.5 29.2 87.6#





#60

Dibromochloromethane

Concen: 0.331 ug/l

RT: 10.12 min Scan# 2595

Delta R.T. -0.27 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

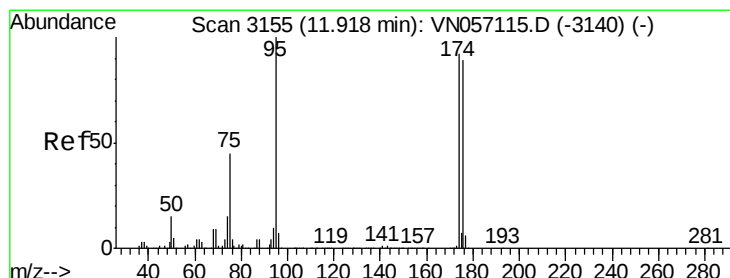
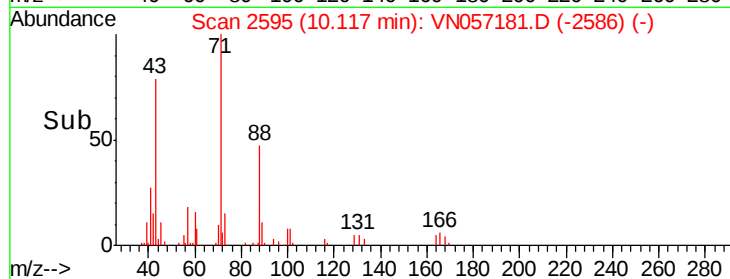
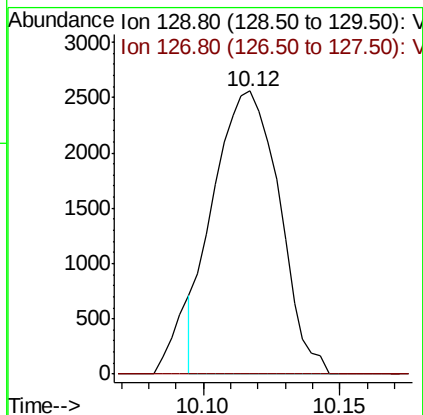
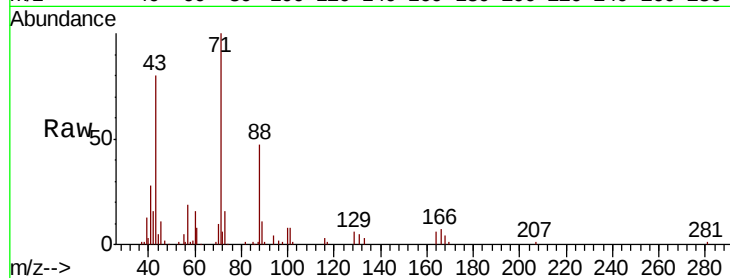
1S-I(0)

Tgt Ion:129 Resp: 4282

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



#62

4-Bromofluorobenzene

Concen: 41.352 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

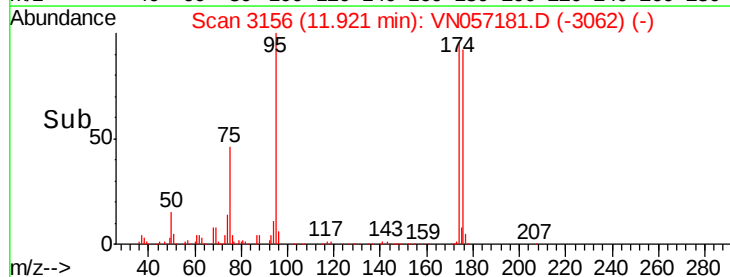
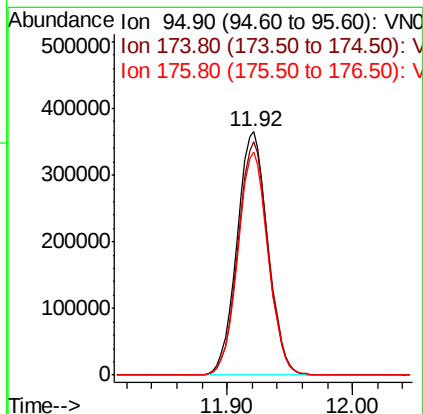
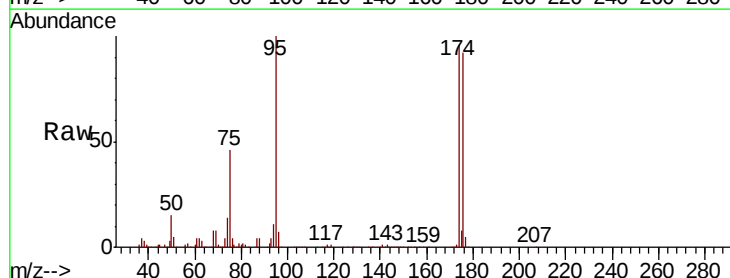
Tgt Ion: 95 Resp: 619559

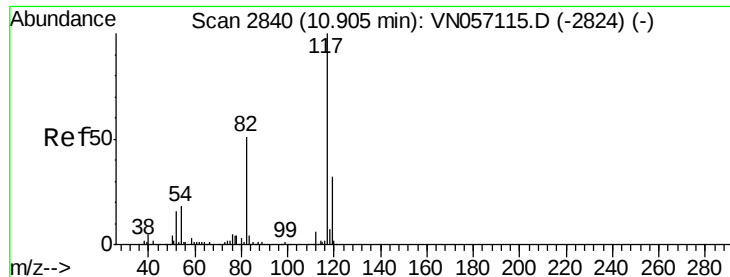
Ion Ratio Lower Upper

95 100

174 95.0 0.0 185.0

176 90.5 0.0 181.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.91 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

1S-I-(0)

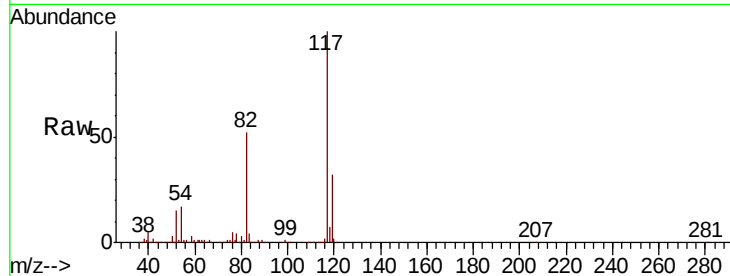
Tgt Ion:117 Resp: 1631117

Ion Ratio Lower Upper

117 100

82 51.7 40.8 61.2

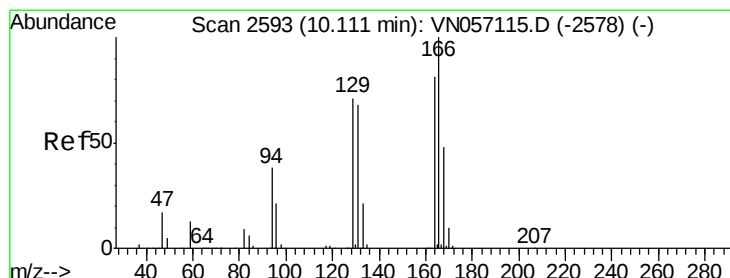
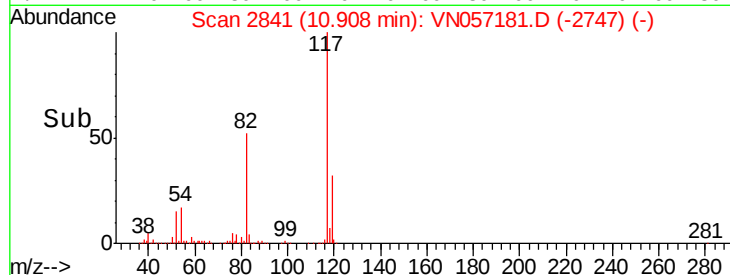
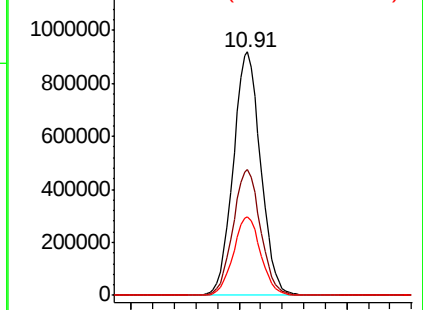
119 32.2 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.382 ug/l

RT: 10.11 min Scan# 2593

Delta R.T. -0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Tgt Ion:164 Resp: 5179

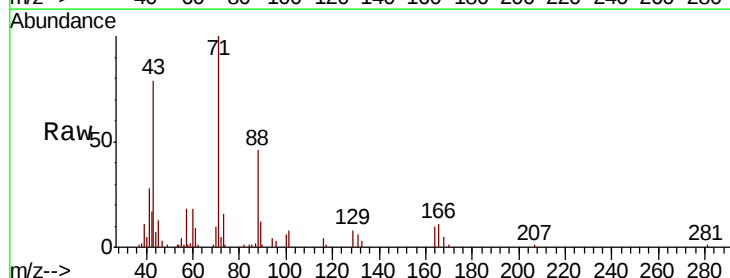
Ion Ratio Lower Upper

164 100

166 114.7 98.3 147.5

129 79.6 69.8 104.6

131 64.6 66.8 100.2#

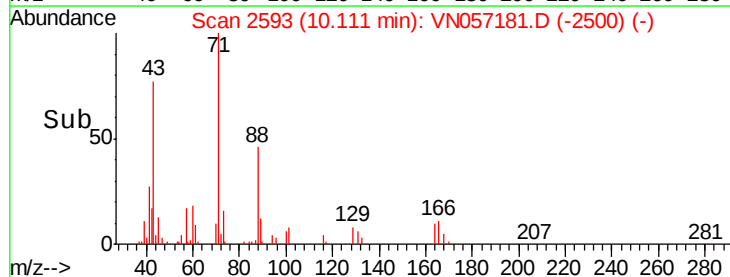
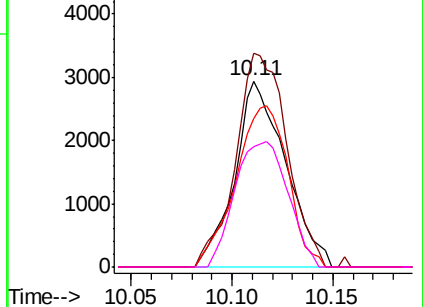


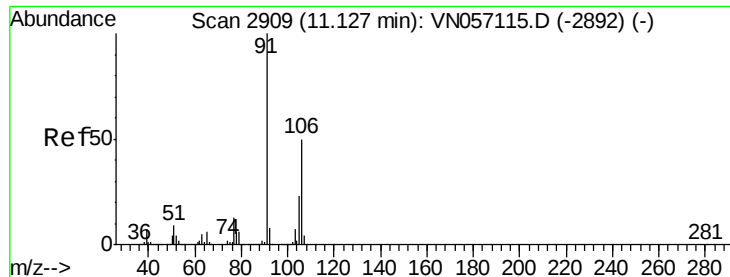
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

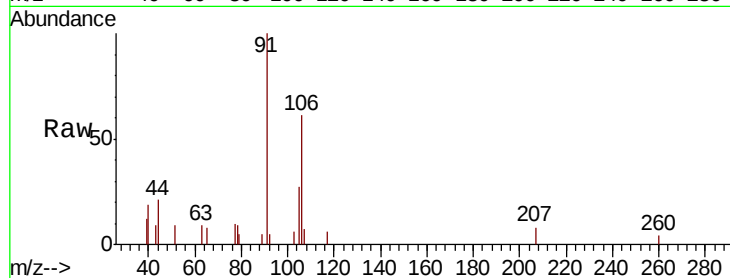




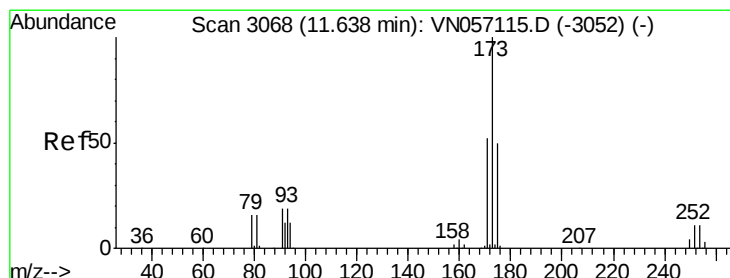
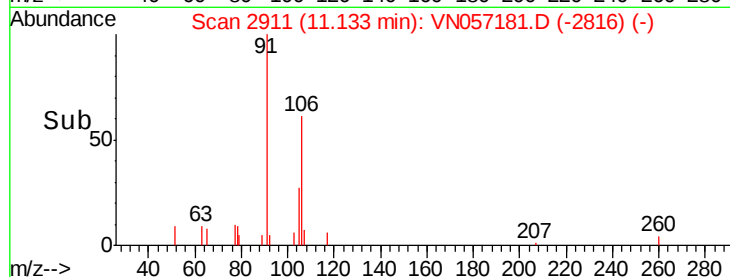
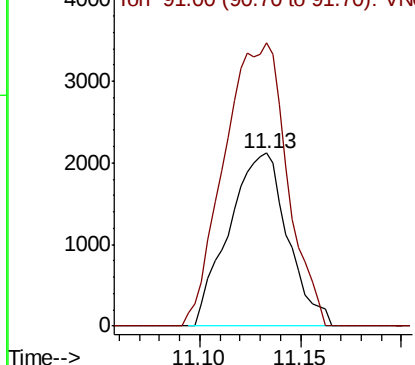
#68
m/p-Xylenes
Concen: 0.207 ug/l
RT: 11.13 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VN057181.D
Acq: 11 Aug 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
1S-I(0)

Tgt Ion:106 Resp: 4314
Ion Ratio Lower Upper
106 100
91 174.7 159.8 239.8

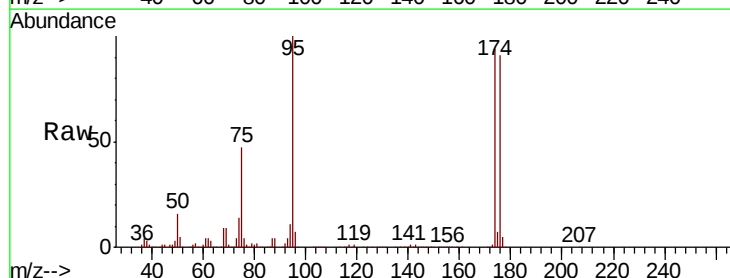


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

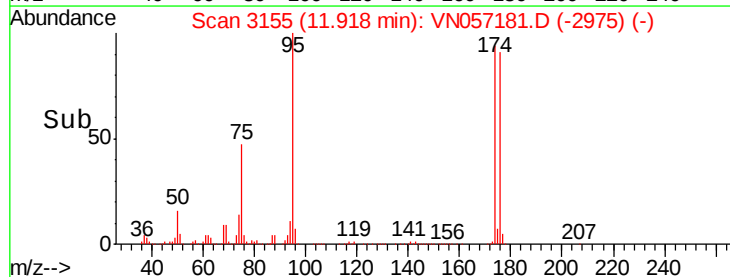
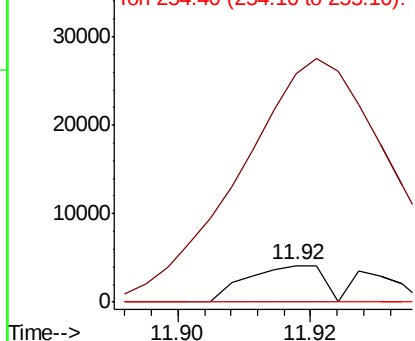


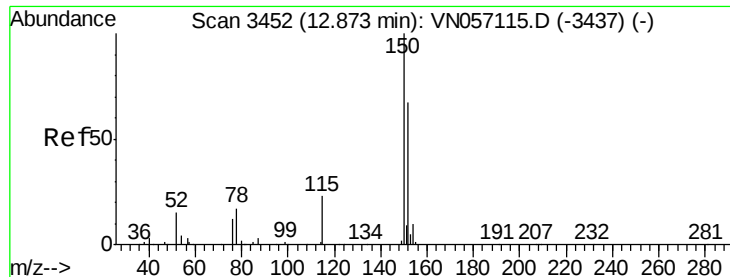
#71
Bromoform
Concen: 0.365 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. 0.28 min
Lab File: VN057181.D
Acq: 11 Aug 2019 12:38

Tgt Ion:173 Resp: 3283
Ion Ratio Lower Upper
173 100
175 908.6 24.6 73.8#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

1S-I(0)

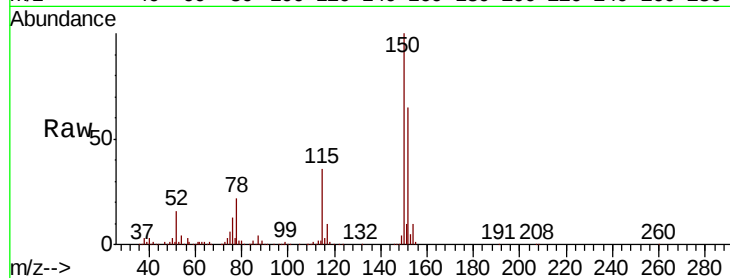
Tgt Ion:152 Resp: 444813

Ion Ratio Lower Upper

152 100

115 55.3 27.5 82.5

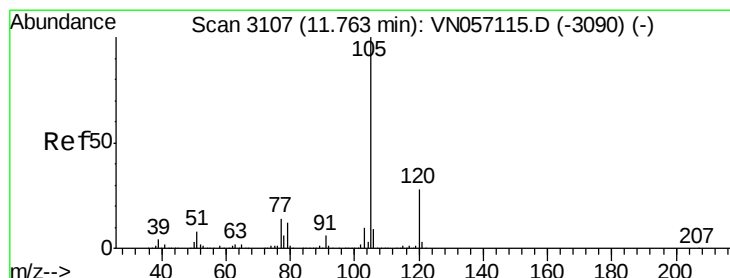
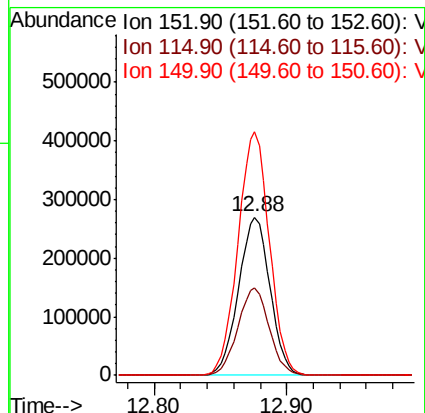
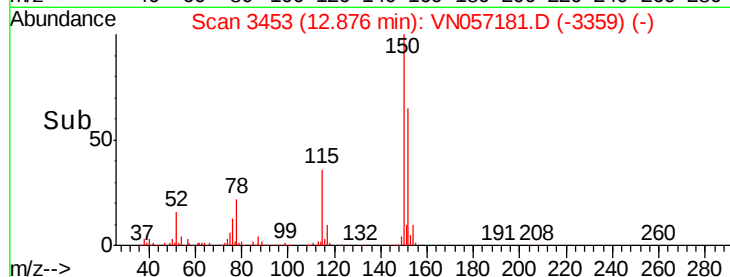
150 153.5 0.0 341.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057181.D

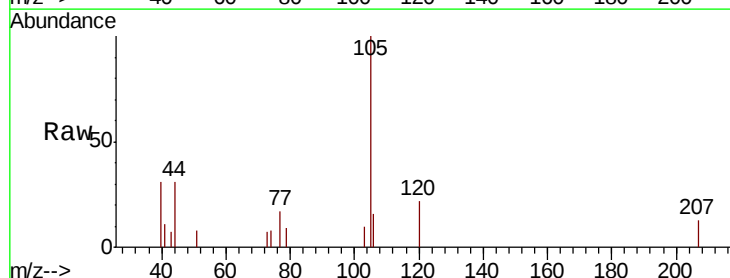
Acq: 11 Aug 2019 12:38

Tgt Ion:105 Resp: 4157

Ion Ratio Lower Upper

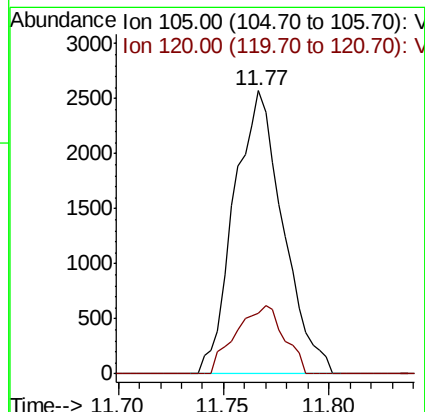
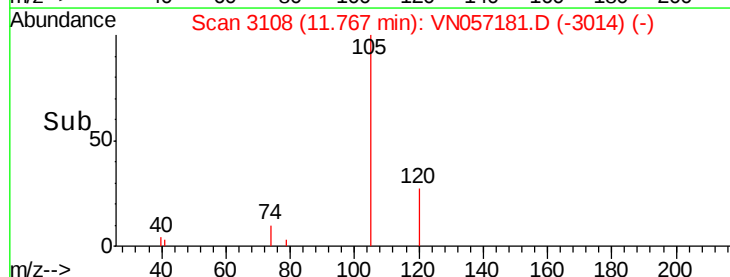
105 100

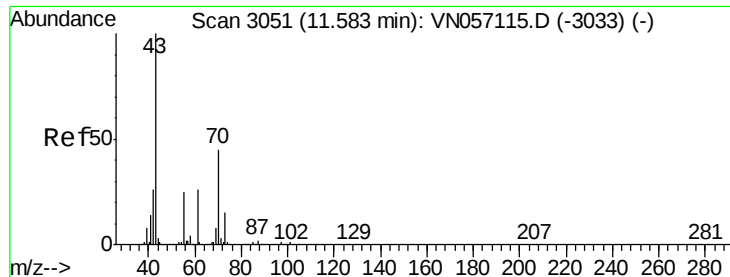
120 23.7 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.214 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

1S-I(0)

Tgt Ion: 43 Resp: 2416

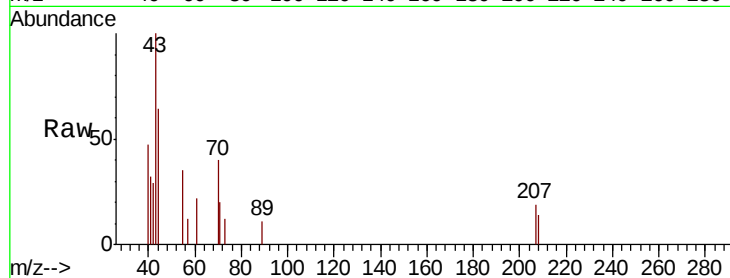
Ion Ratio Lower Upper

43 100

70 38.4 36.8 55.2

55 27.4 20.6 31.0

61 25.8 21.0 31.4

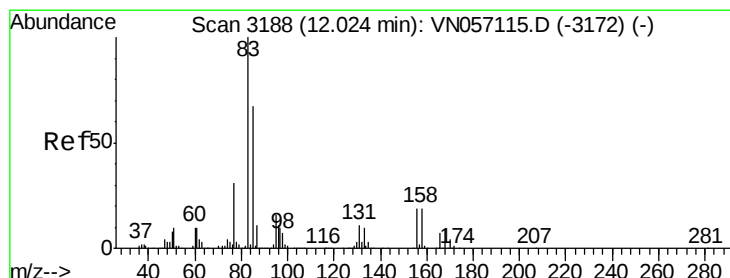
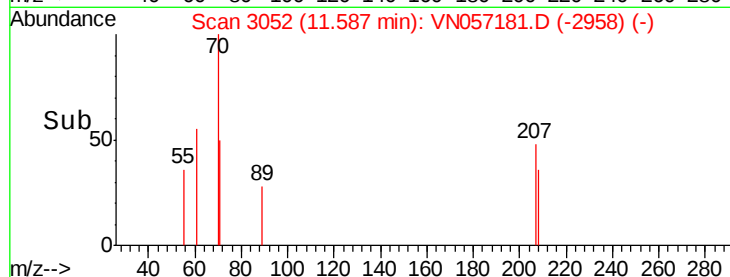
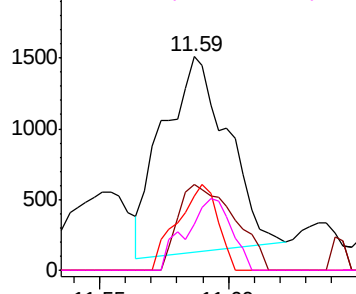


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.03 min Scan# 3189

Delta R.T. 0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

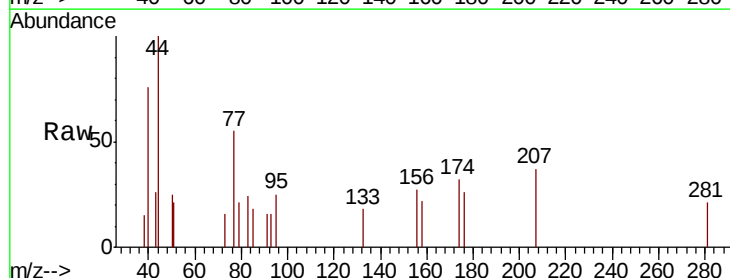
Tgt Ion: 83 Resp: 339

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

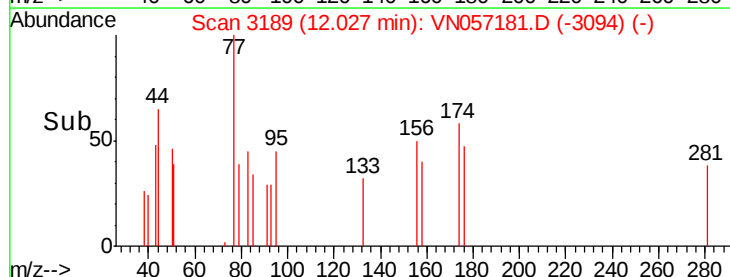
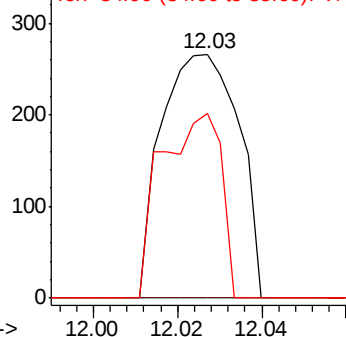
85 59.0 32.4 97.0

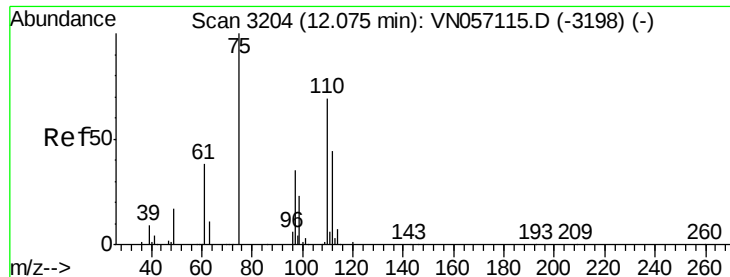


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

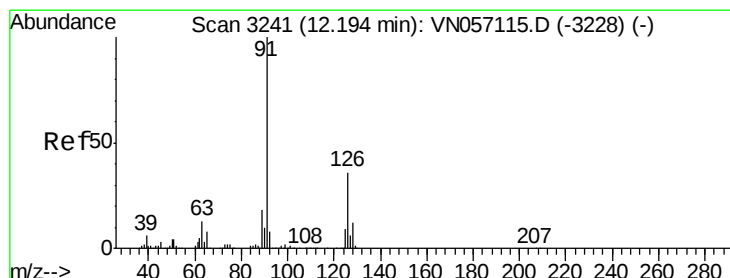
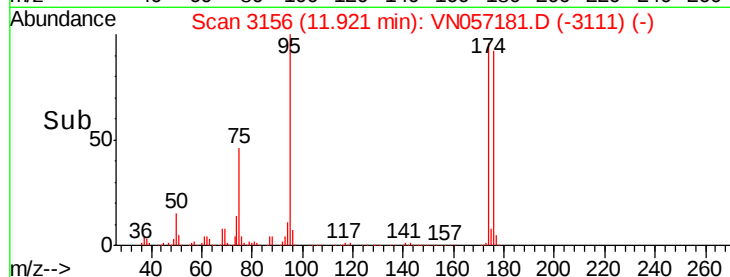
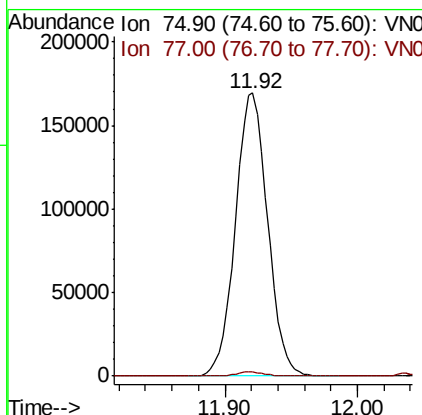
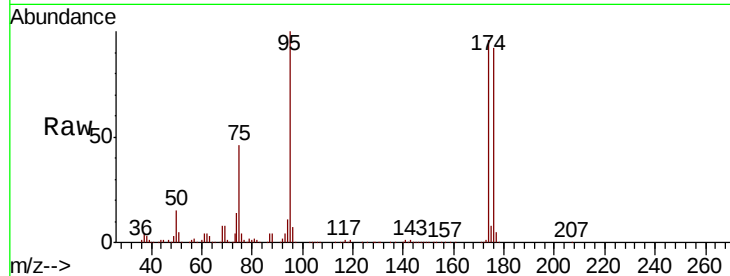




#76
 1,2,3-Trichloropropane
 Concen: 31.831 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. -0.15 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

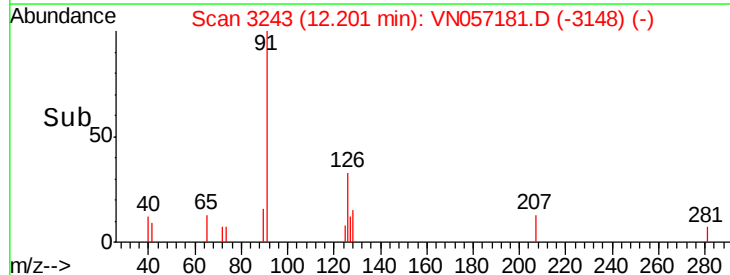
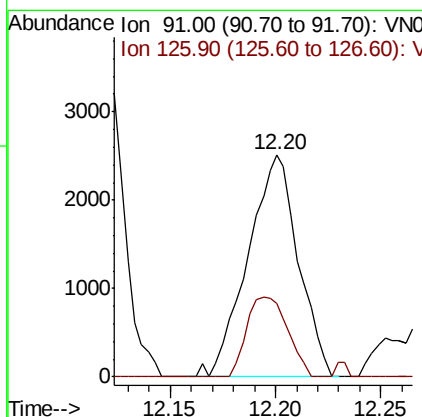
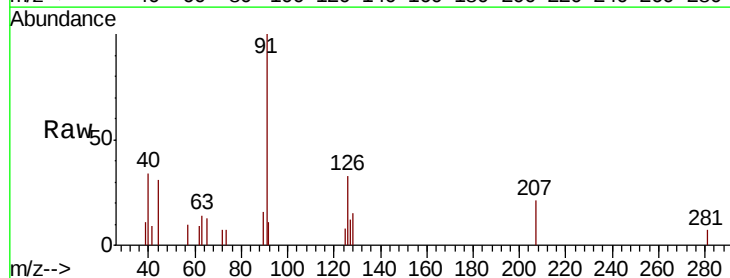
Instrument :
 MSVOA_N
 ClientSampled :
 1S-I-(0)

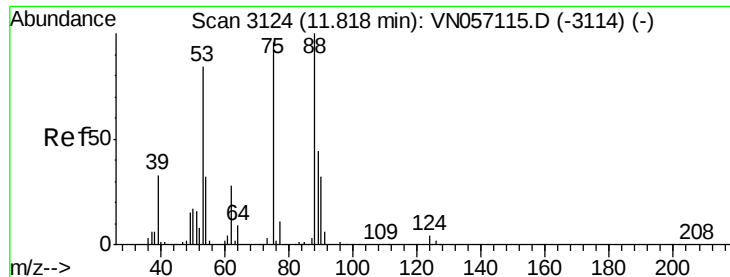
Tgt Ion: 75 Resp: 285708
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.20 min Scan# 3243
 Delta R.T. 0.01 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

Tgt Ion: 91 Resp: 4162
 Ion Ratio Lower Upper
 91 100
 126 29.4 18.1 54.3

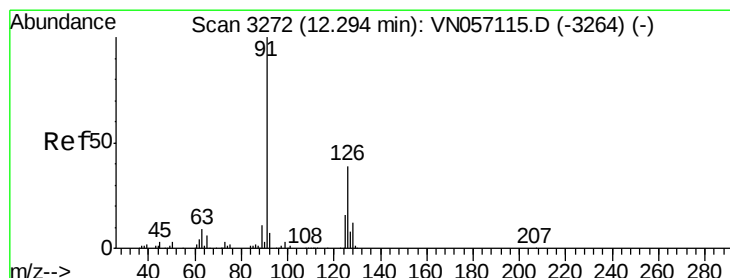
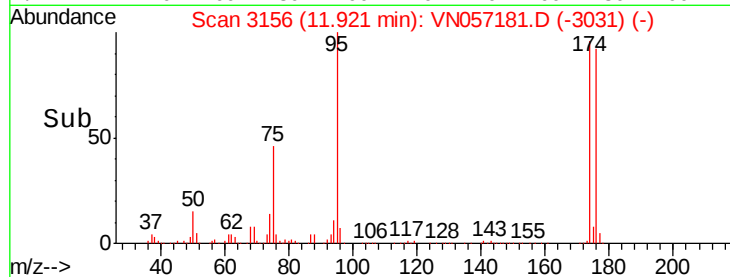
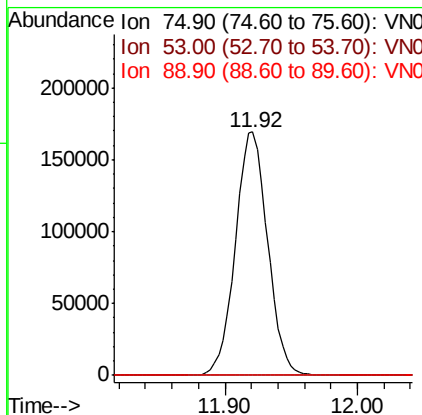
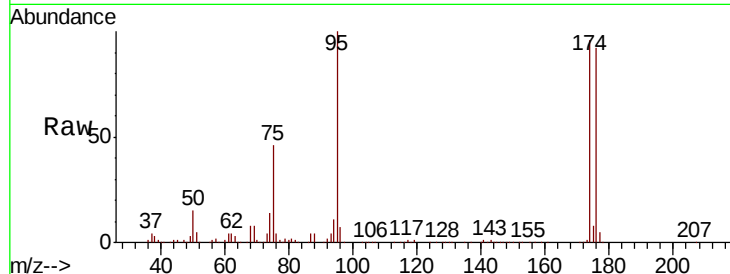




#81
trans-1,4-Dichloro-2-butene
Concen: 94.442 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.10 min
Lab File: VN057181.D
Acq: 11 Aug 2019 12:38

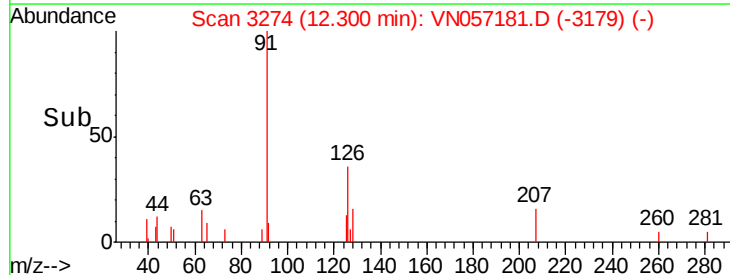
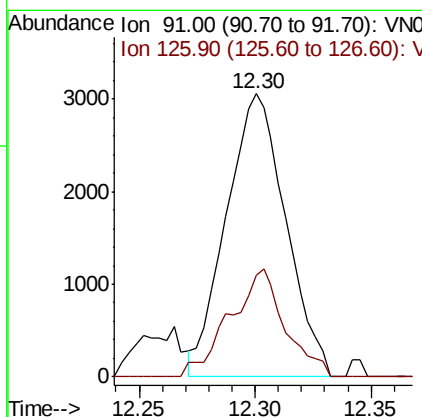
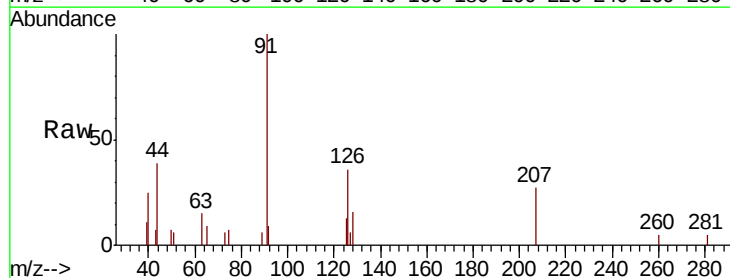
Instrument :
MSVOA_N
ClientSampled :
1S-I(0)

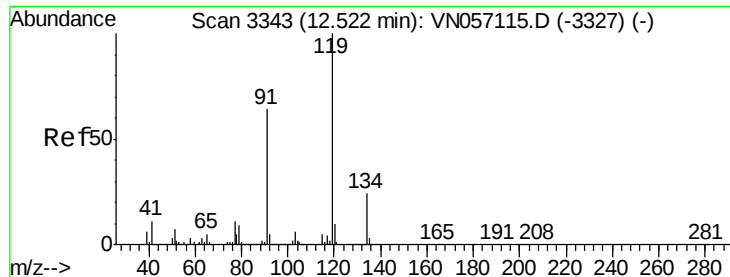
Tgt Ion: 75 Resp: 285708
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.1 36.4 54.6#



#82
4-Chlorotoluene
Concen: 0.220 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.01 min
Lab File: VN057181.D
Acq: 11 Aug 2019 12:38

Tgt Ion: 91 Resp: 5445
Ion Ratio Lower Upper
91 100
126 35.4 17.9 53.7

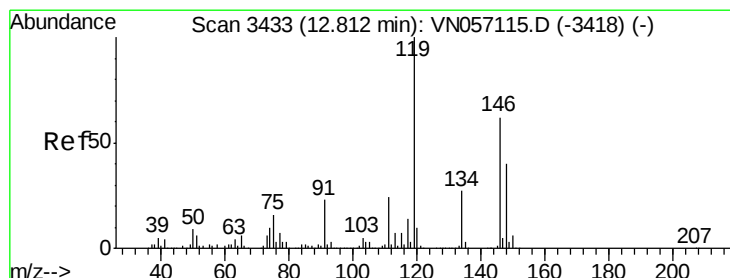
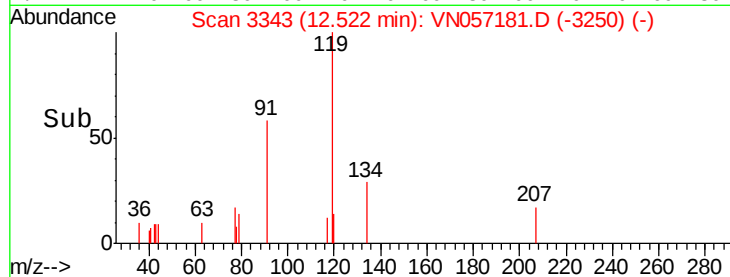
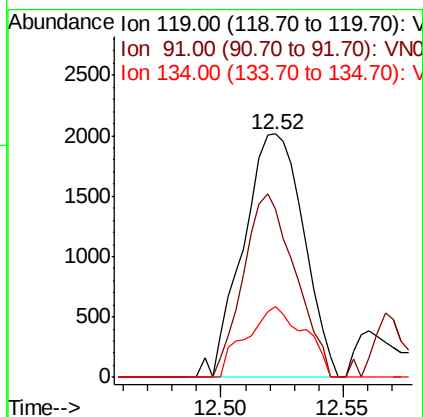
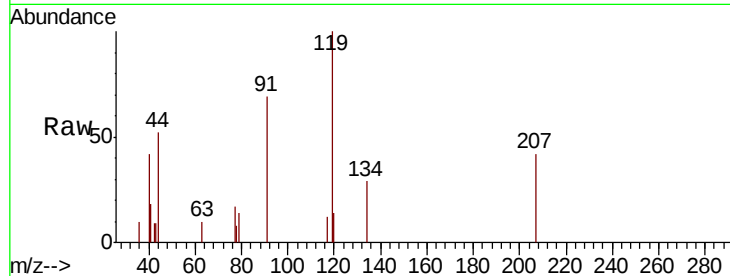




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

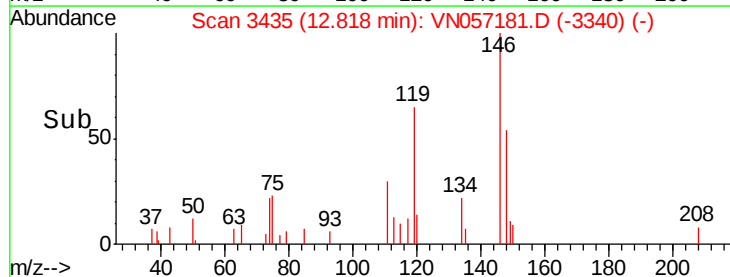
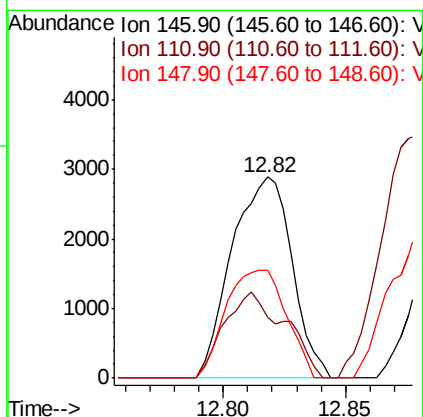
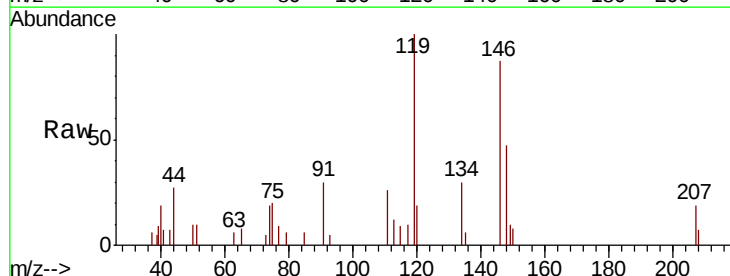
Instrument :
 MSVOA_N
 ClientSampled :
 1S-I(0)

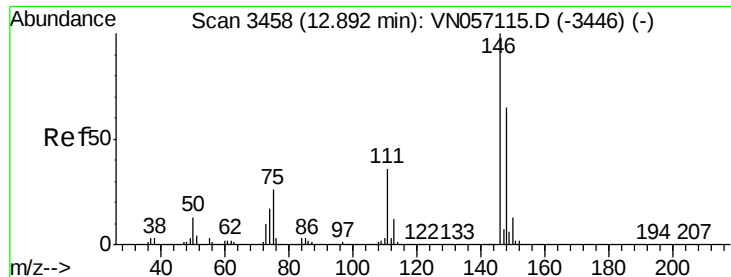
Tgt Ion:119 Resp: 3461
 Ion Ratio Lower Upper
 119 100
 91 64.8 31.4 94.2
 134 28.0 13.2 39.6



#87
 1,3-Dichlorobenzene
 Concen: 0.324 ug/l
 RT: 12.82 min Scan# 3435
 Delta R.T. 0.01 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

Tgt Ion:146 Resp: 4939
 Ion Ratio Lower Upper
 146 100
 111 43.5 18.8 56.4
 148 54.0 32.4 97.0





#88

1,4-Dichlorobenzene

Concen: 0.342 ug/l

RT: 12.82 min Scan# 3435

Delta R.T. -0.07 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

1S-I(0)

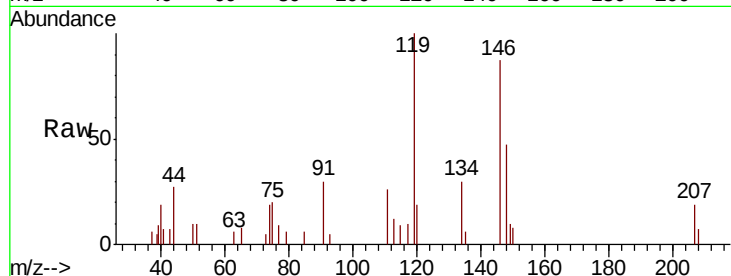
Tgt Ion:146 Resp: 4939

Ion Ratio Lower Upper

146 100

111 43.5 18.2 54.6

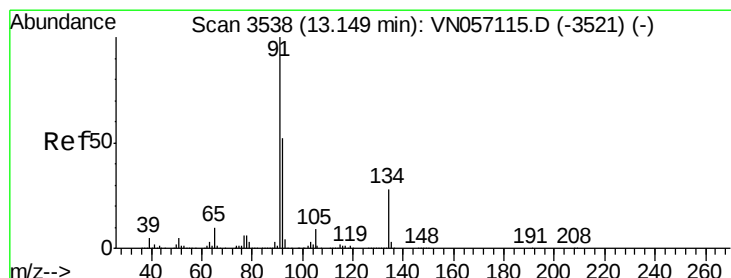
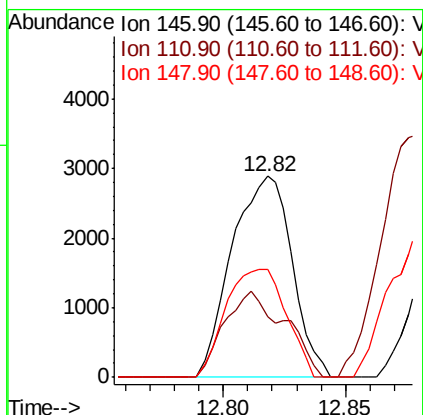
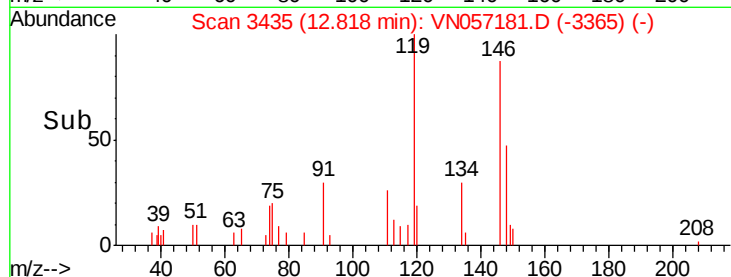
148 54.0 32.0 96.2



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



#89

n-Butylbenzene

Concen: 0.301 ug/l

RT: 13.15 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

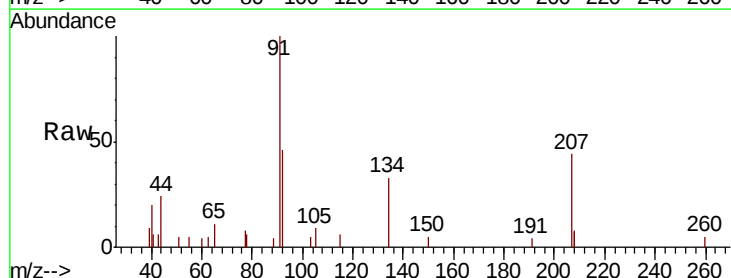
Tgt Ion: 91 Resp: 7067

Ion Ratio Lower Upper

91 100

92 40.6 26.5 79.4

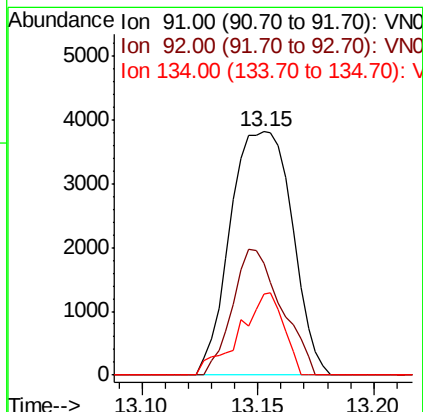
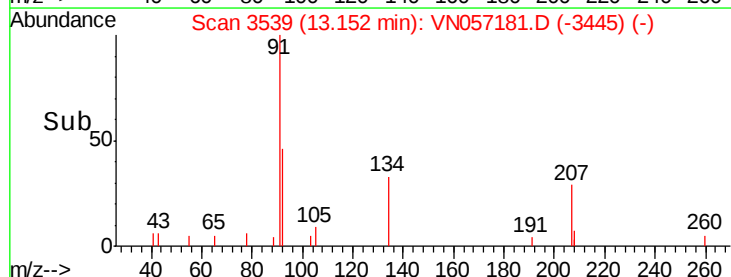
134 24.1 14.1 42.3

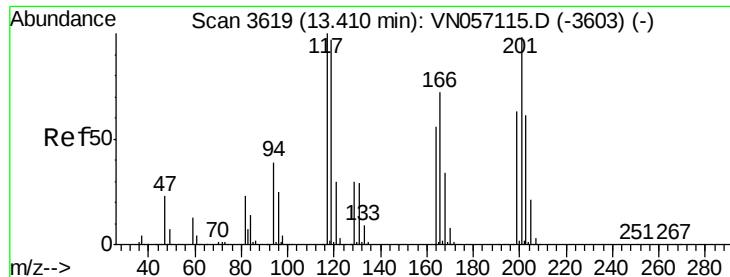


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.40 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

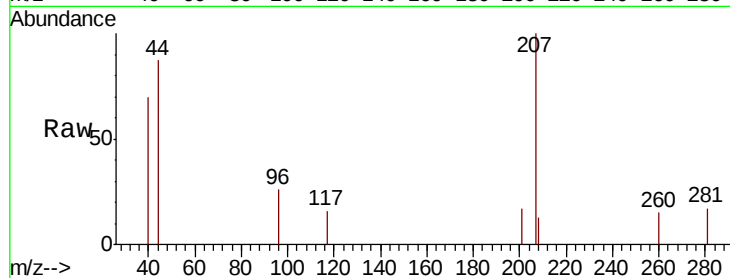
1S-I(0)

Tgt Ion:117 Resp: 70

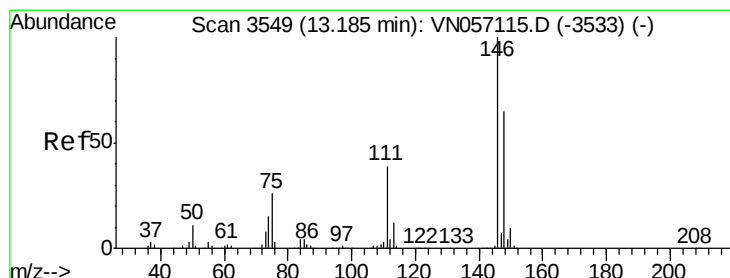
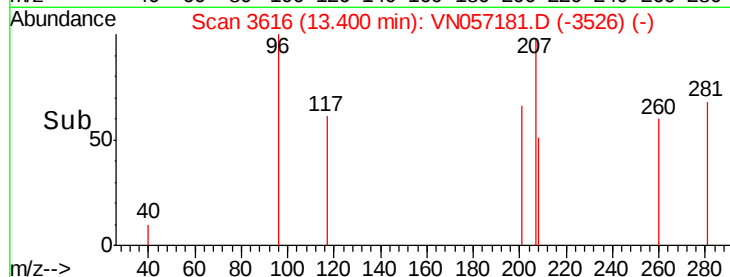
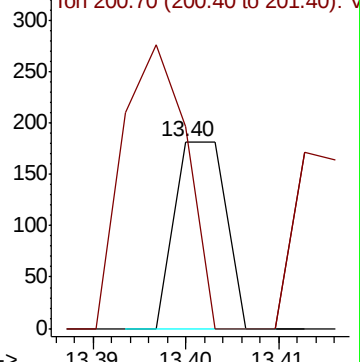
Ion Ratio Lower Upper

117 100

201 188.6 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V



#91

1,2-Dichlorobenzene

Concen: 0.382 ug/l

RT: 13.18 min Scan# 3549

Delta R.T. -0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

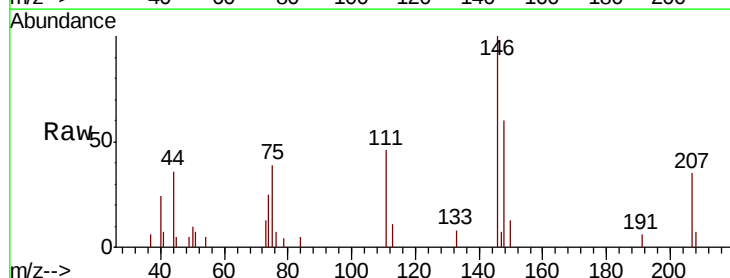
Tgt Ion:146 Resp: 5810

Ion Ratio Lower Upper

146 100

111 42.2 19.2 57.6

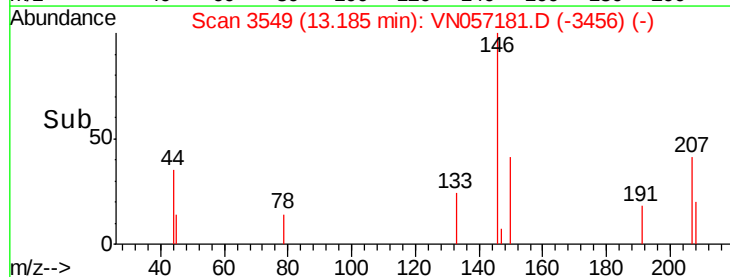
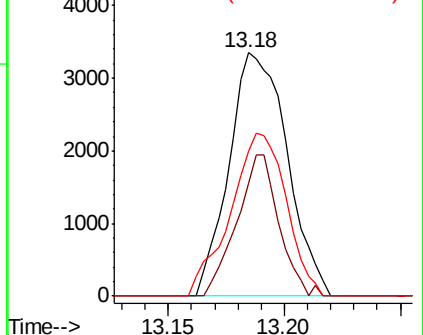
148 64.3 32.4 97.0

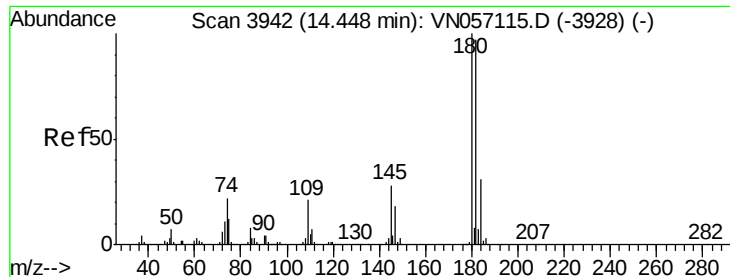


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

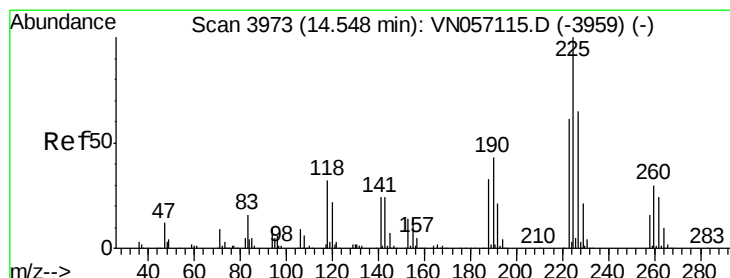
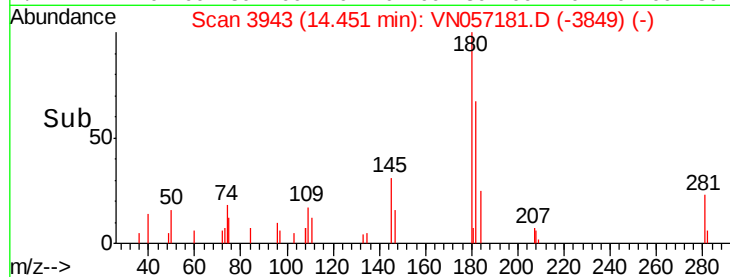
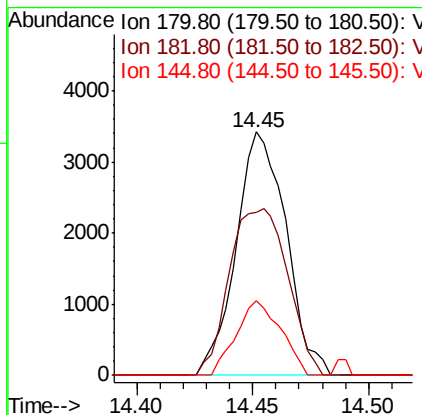
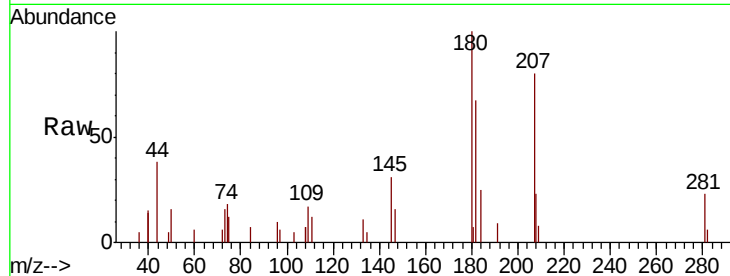




#93
 1,2,4-Trichlorobenzene
 Concen: 6.631 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

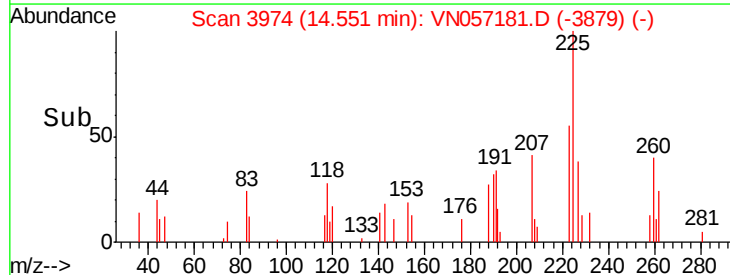
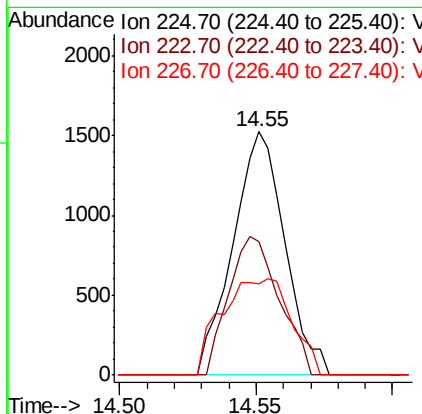
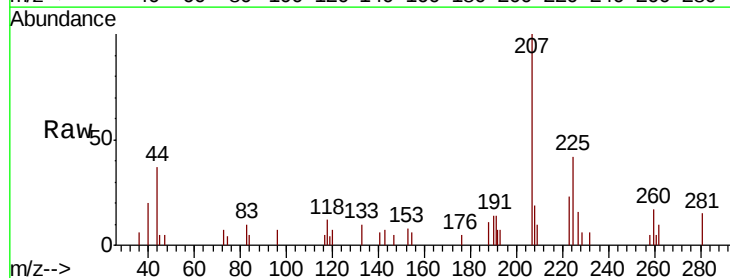
Instrument :
 MSVOA_N
 ClientSampleId :
 1S-I(0)

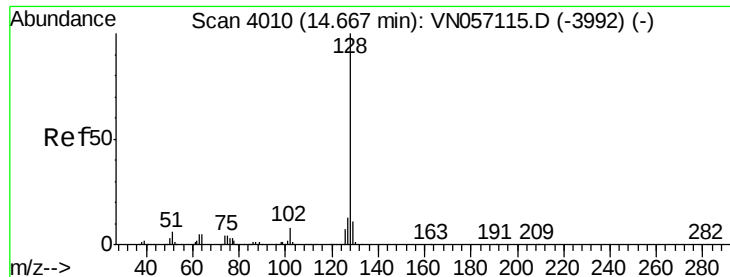
Tgt Ion:180 Resp: 5126
 Ion Ratio Lower Upper
 180 100
 182 79.9 47.5 142.6
 145 27.3 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057181.D
 Acq: 11 Aug 2019 12:38

Tgt Ion:225 Resp: 2004
 Ion Ratio Lower Upper
 225 100
 223 55.8 30.9 92.8
 227 53.6 32.4 97.0





#95

Naphthalene

Concen: 3.597 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

1S-I(0)

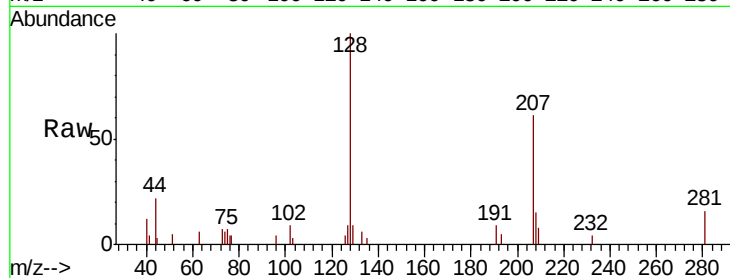
Tgt Ion:128 Resp: 9110

Ion Ratio Lower Upper

128 100

127 9.5 10.3 15.5#

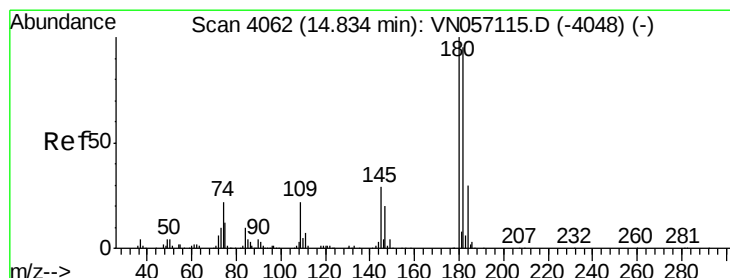
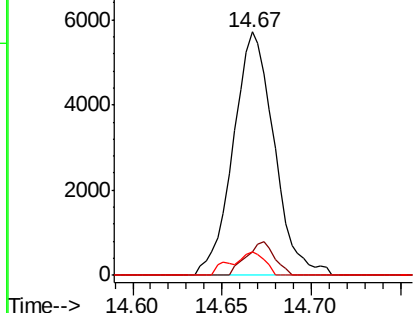
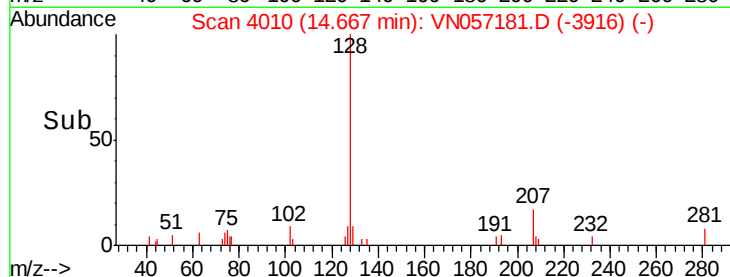
129 7.7 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 6.427 ug/l

RT: 14.84 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VN057181.D

Acq: 11 Aug 2019 12:38

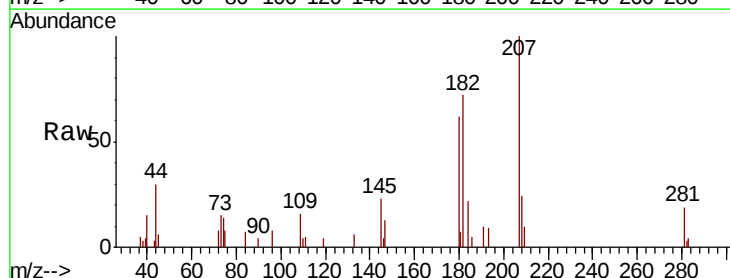
Tgt Ion:180 Resp: 5313

Ion Ratio Lower Upper

180 100

182 117.0 48.3 144.8

145 38.1 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

