

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN057969.D
 Acq On : 12 Sep 2019 14:31
 Operator : JC/SP
 Sample : K4644-23
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-D4-(4)

Quant Time: Sep 13 04:45:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	262855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	452230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	406440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	204148	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	322799	60.63	ug/l	0.00
Spiked Amount			Recovery	=	121.26%	
35) Dibromofluoromethane	7.58	113	221299	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
50) Toluene-d8	10.09	98	811679	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.41	95	271935	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	

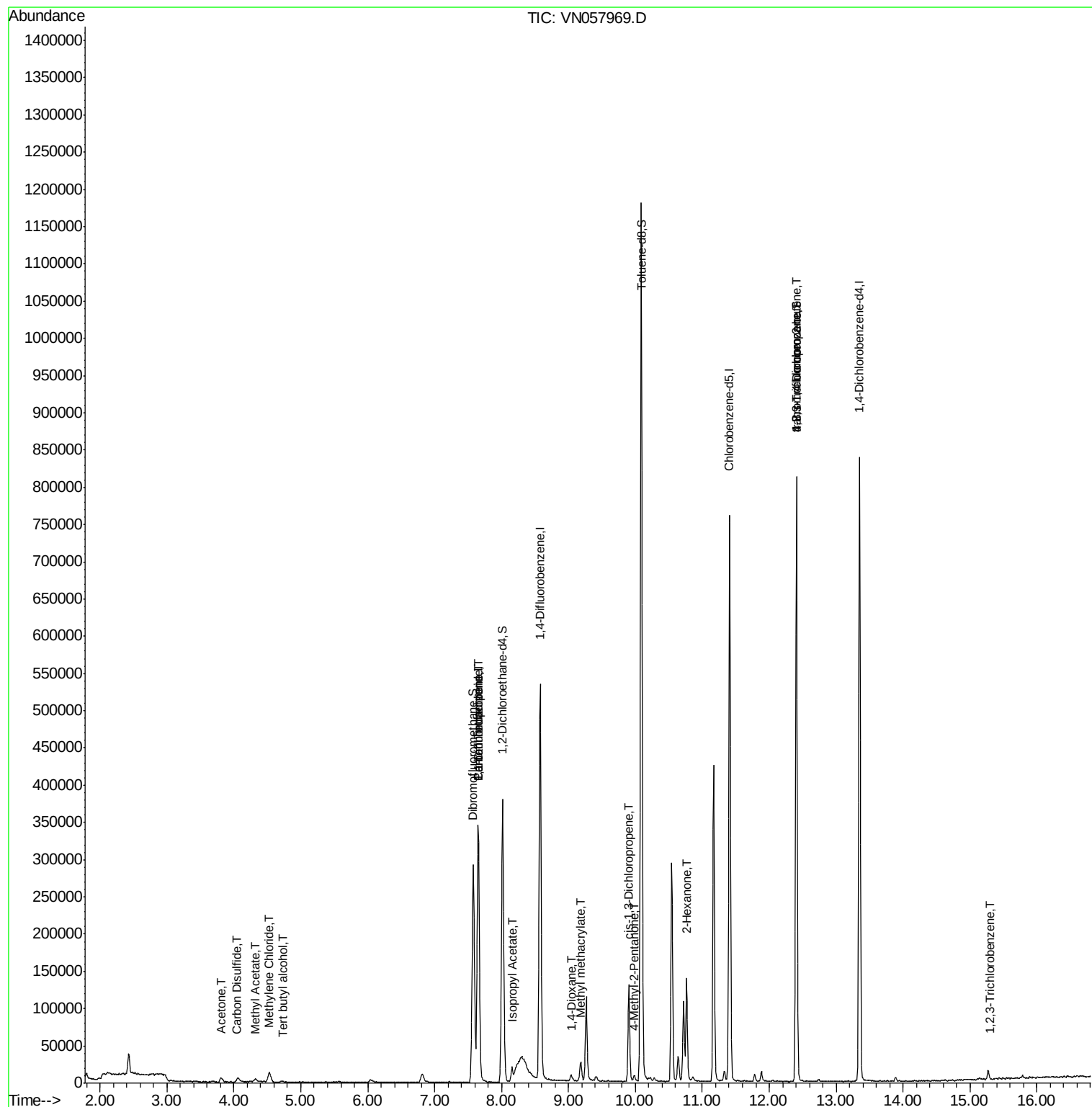
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	386	Below Cal	#	11
11) Tert butyl alcohol	4.73	59	323	0.501	ug/l #	72
16) Acetone	3.81	43	10102	5.788	ug/l	98
17) Carbon Disulfide	4.03	76	475	0.267	ug/l #	75
18) Methyl Acetate	4.32	43	7819	1.680	ug/l #	86
20) Methylene Chloride	4.53	84	9376	1.631	ug/l	93
31) Cyclohexane	7.64	56	7066	Below Cal	#	22
36) 1,1-Dichloropropene	7.65	75	24028	4.581	ug/l #	46
38) Carbon Tetrachloride	7.65	117	28201	5.889	ug/l #	15
43) Isopropyl Acetate	8.16	43	22709	2.492	ug/l #	90
48) Methyl methacrylate	9.18	41	4159	0.900	ug/l #	22
49) 1,4-Dioxane	9.05	88	29	0.371	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5714	1.060	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	21162	3.283	ug/l #	74
59) 2-Hexanone	10.77	43	22391	5.540	ug/l #	54
76) 1,2,3-Trichloropropane	12.40	75	150058	32.493	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	150058	114.343	ug/l #	6
95) Naphthalene	15.13	128	1367	Below Cal	#	81
96) 1,2,3-Trichlorobenzene	15.30	180	276	1.064	ug/l #	30

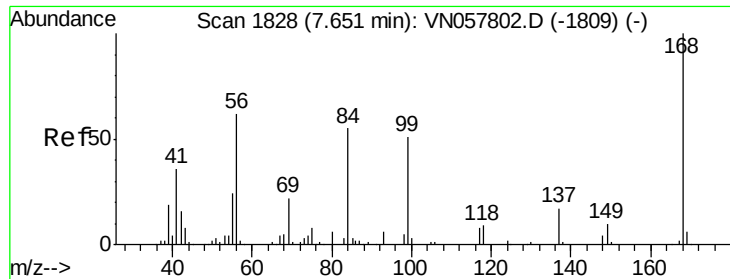
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
Data File : VN057969.D
Acq On : 12 Sep 2019 14:31
Operator : JC/SP
Sample : K4644-23
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T11-D4-(4)

Quant Time: Sep 13 04:45:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057969.D

Acq: 12 Sep 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

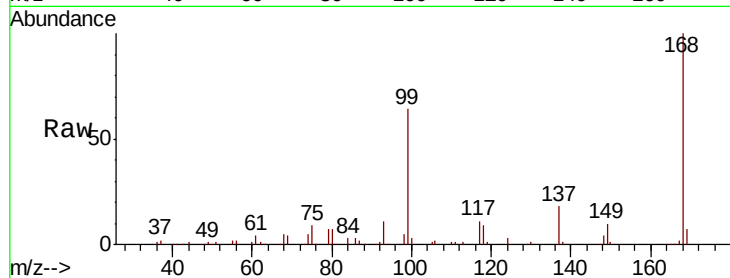
T11-D4-(4)

Tgt Ion:168 Resp: 262855

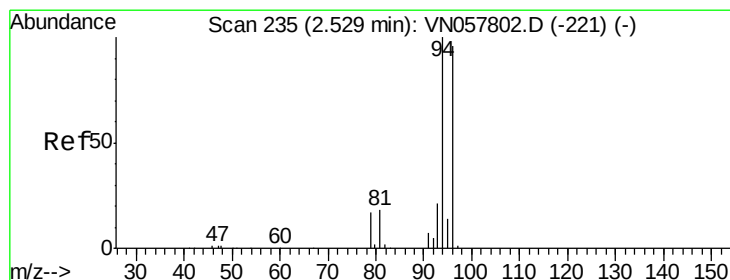
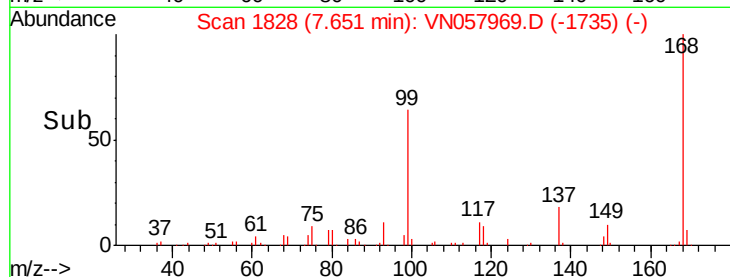
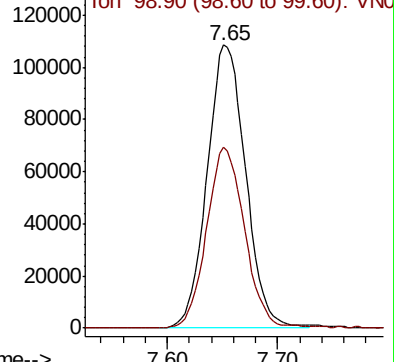
Ion Ratio Lower Upper

168 100

99 64.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN057969.D

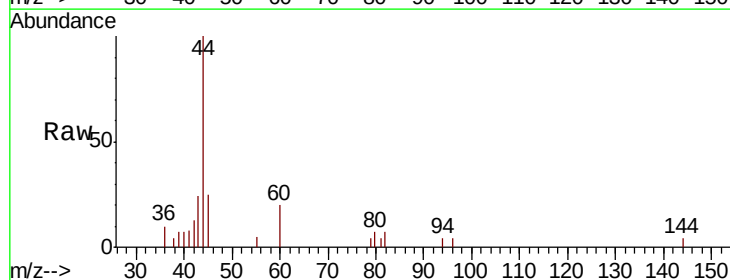
Acq: 12 Sep 2019 14:31

Tgt Ion: 94 Resp: 386

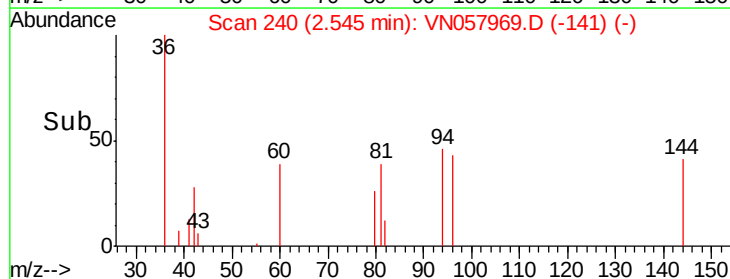
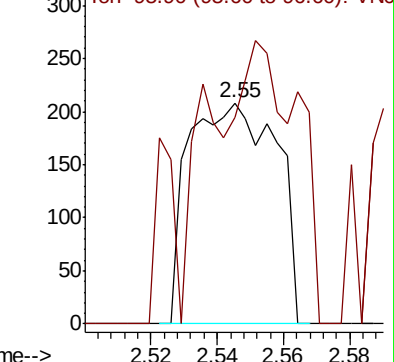
Ion Ratio Lower Upper

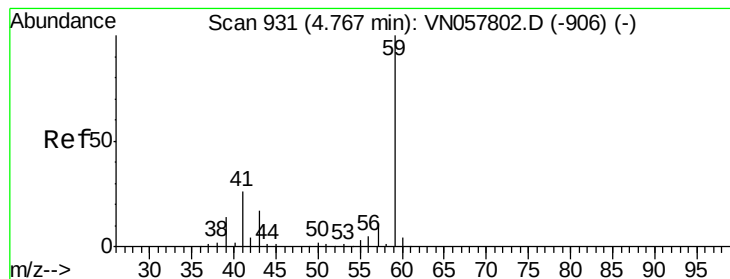
94 100

96 9.6 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)



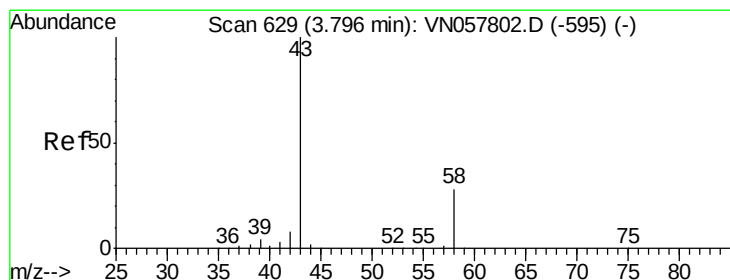
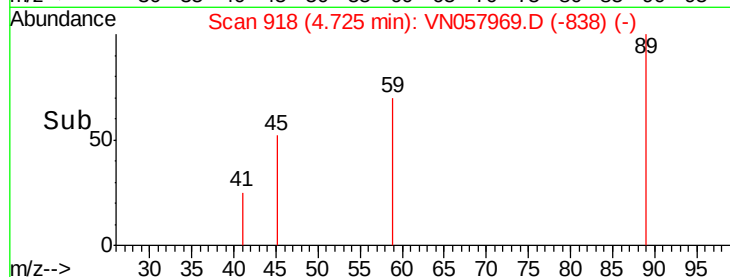
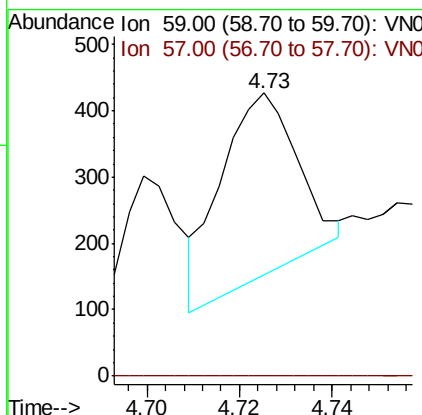
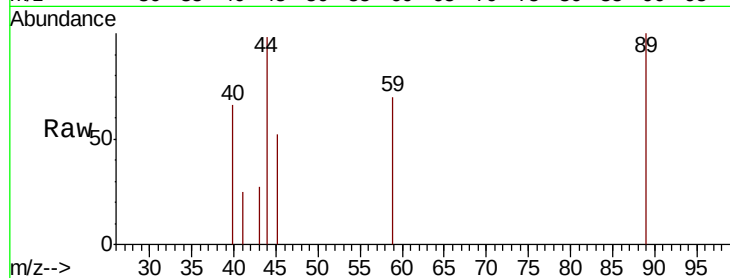


#11

Tert butyl alcohol
 Concen: 0.501 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.04 min
 Lab File: VN057969.D
 Acq: 12 Sep 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-D4-(4)

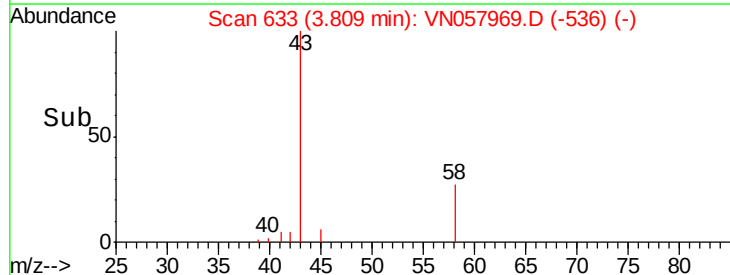
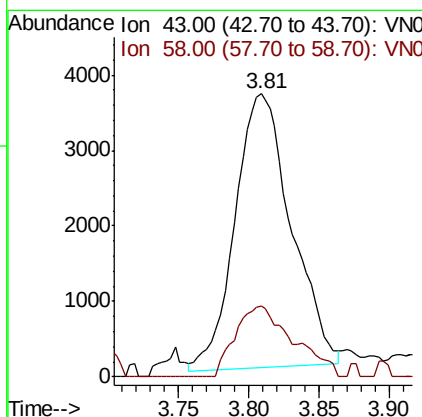
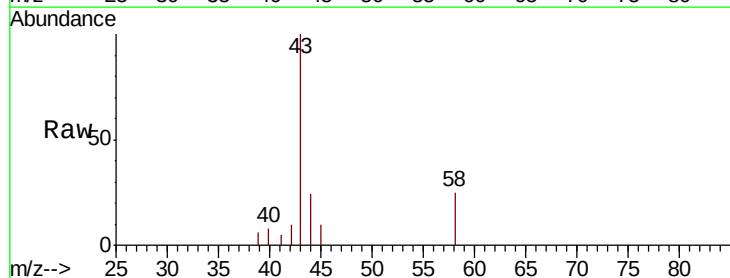
Tgt Ion: 59 Resp: 323
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

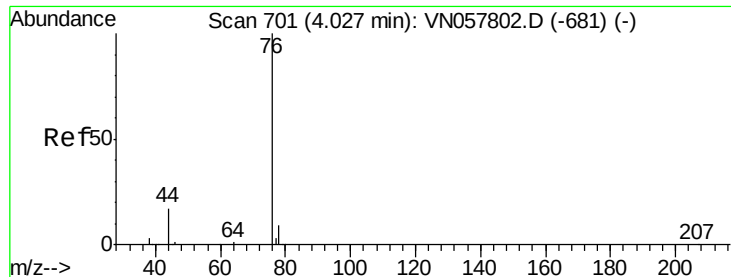


#16

Acetone
 Concen: 5.788 ug/l
 RT: 3.81 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: VN057969.D
 Acq: 12 Sep 2019 14:31

Tgt Ion: 43 Resp: 10102
 Ion Ratio Lower Upper
 43 100
 58 26.5 22.2 33.2

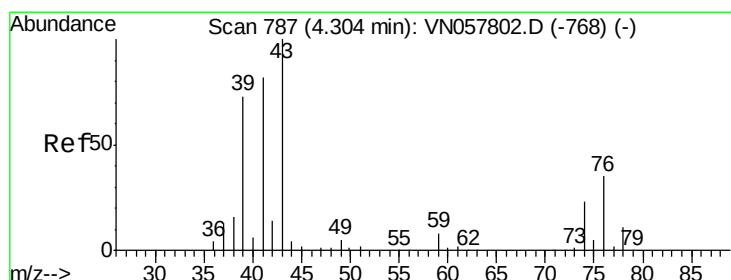
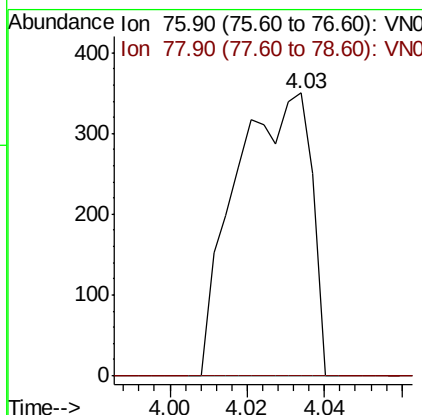
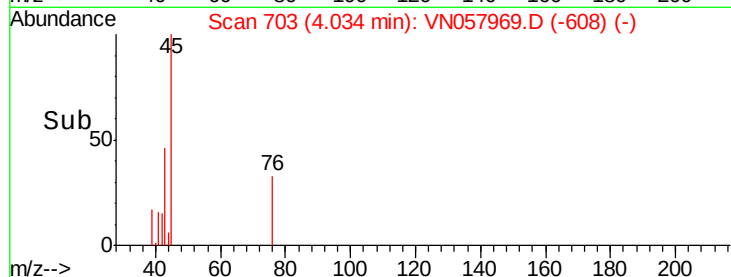
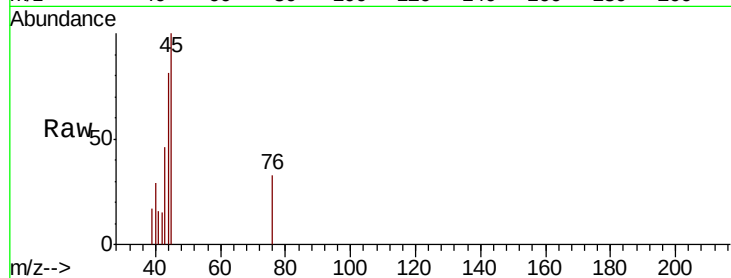




#17
Carbon Disulfide
Concen: 0.267 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN057969.D
Acq: 12 Sep 2019 14:31

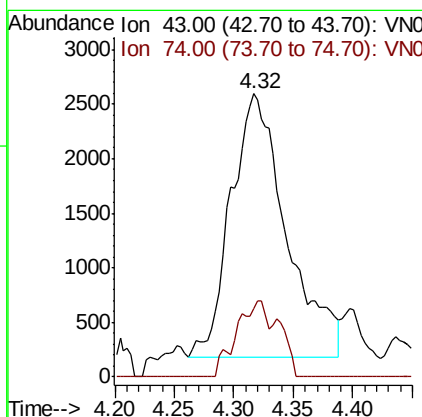
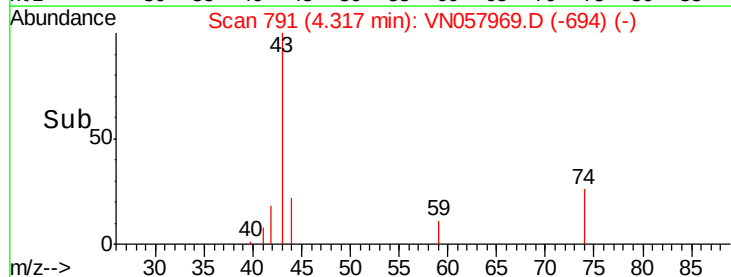
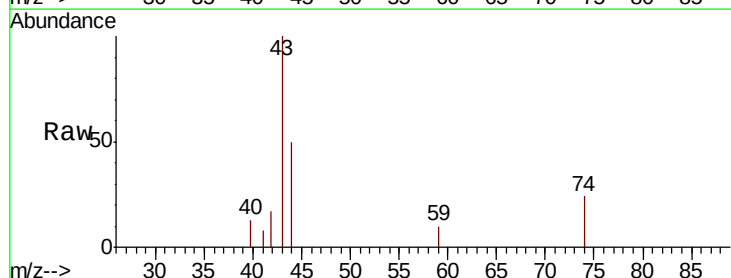
Instrument :
MSVOA_N
ClientSampleId :
T11-D4-(4)

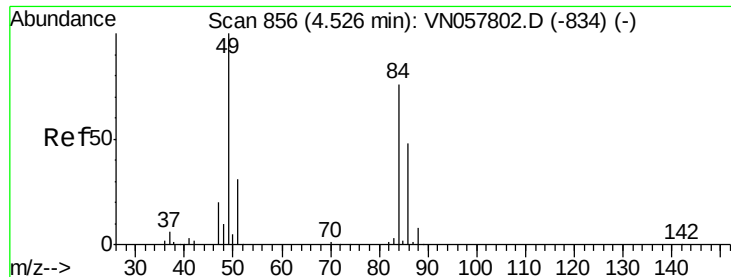
Tgt Ion: 76 Resp: 475
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 1.680 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057969.D
Acq: 12 Sep 2019 14:31

Tgt Ion: 43 Resp: 7819
Ion Ratio Lower Upper
43 100
74 15.9 17.9 26.9#

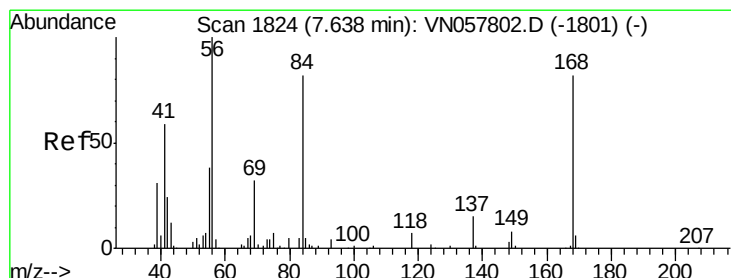
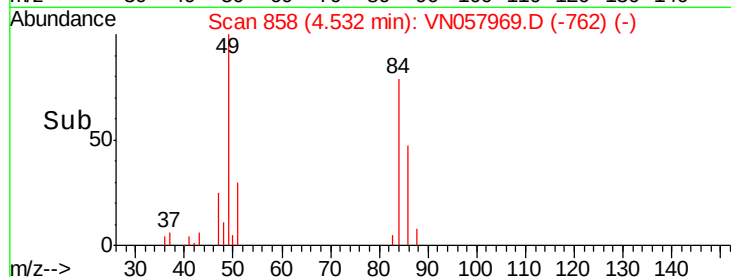
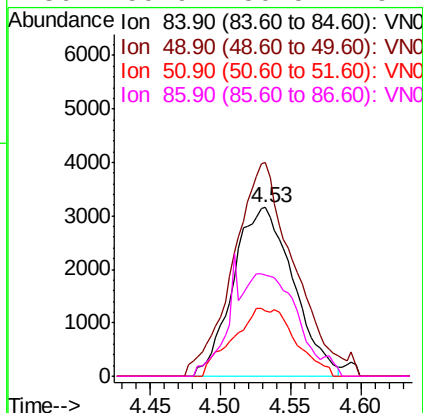
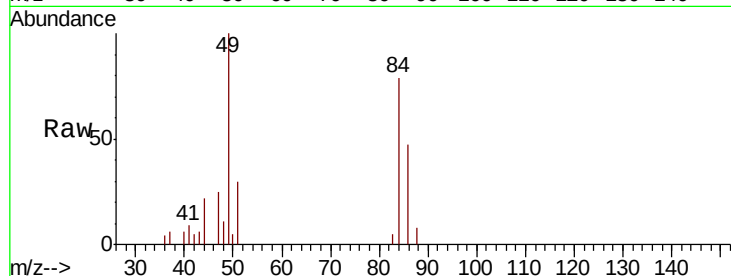




#20
Methylene Chloride
Concen: 1.631 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN057969.D
Acq: 12 Sep 2019 14:31

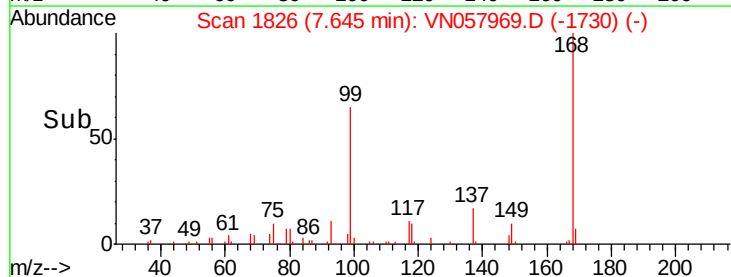
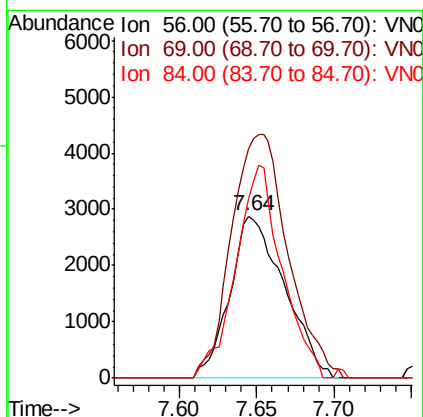
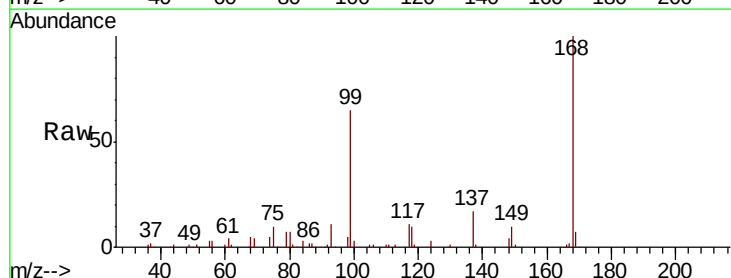
Instrument :
MSVOA_N
ClientSampleId :
T11-D4-(4)

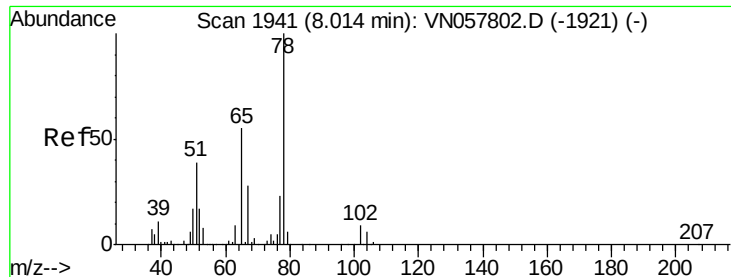
Tgt Ion:	84	Resp:	9376
Ion	Ratio	Lower	Upper
84	100		
49	120.3	104.8	157.2
51	38.5	33.0	49.4
86	59.9	50.5	75.7



#31
Cyclohexane
Concen: Below Cal
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN057969.D
Acq: 12 Sep 2019 14:31

Tgt Ion:	56	Resp:	7066
Ion	Ratio	Lower	Upper
56	100		
69	141.2	25.9	38.9#
84	110.3	65.6	98.4#

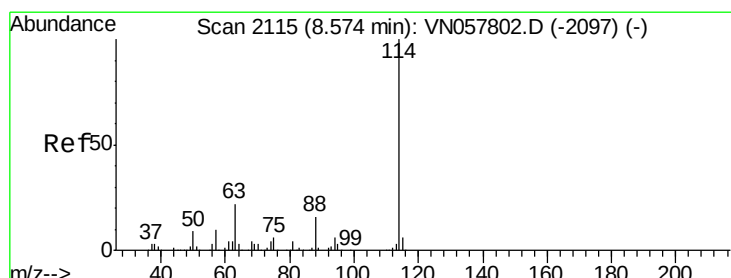
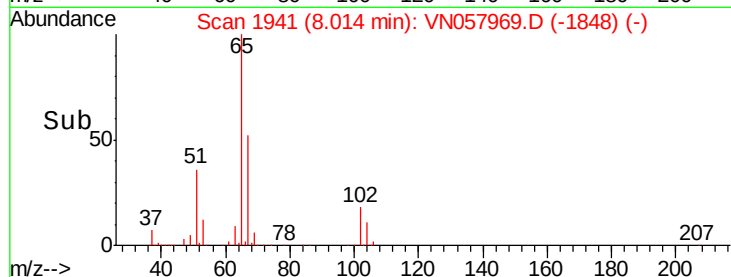
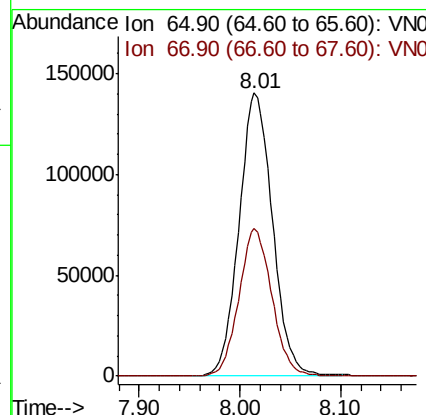
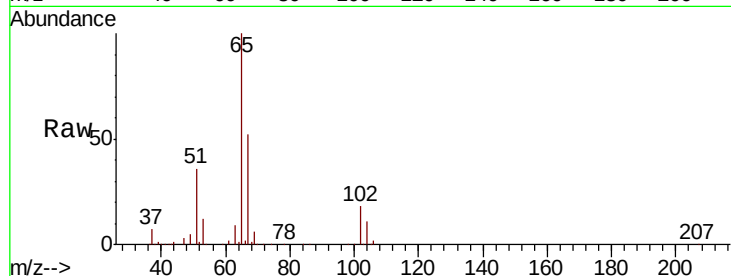




#33
 1,2-Dichloroethane-d4
 Concen: 60.632 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057969.D
 Acq: 12 Sep 2019 14:31

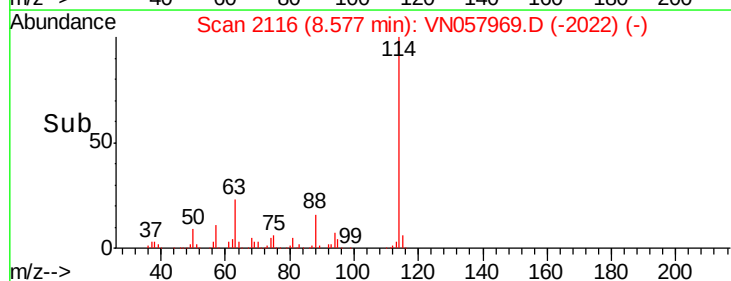
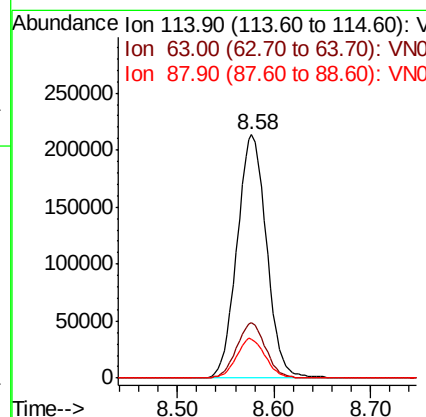
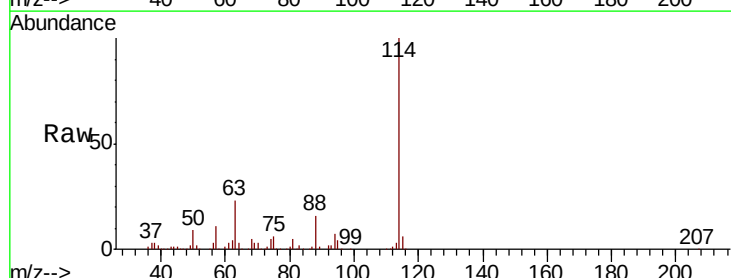
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-D4-(4)

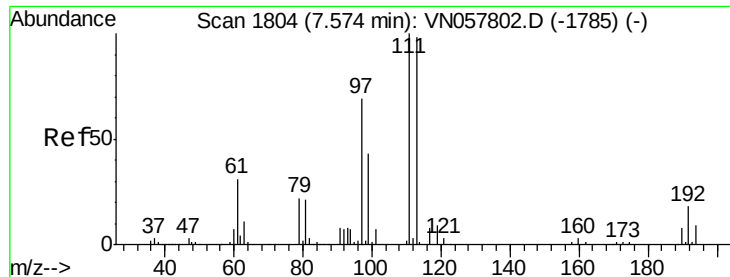
Tgt Ion: 65 Resp: 322799
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057969.D
 Acq: 12 Sep 2019 14:31

Tgt Ion: 114 Resp: 452230
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.0
 88 16.1 0.0 31.4

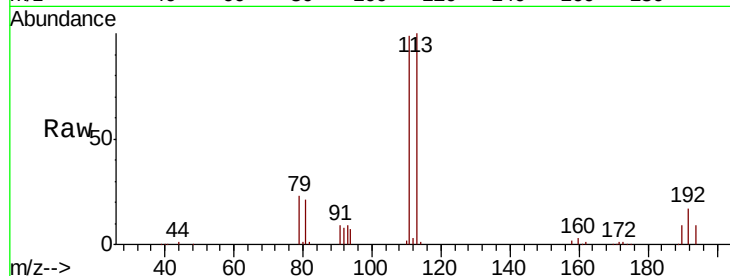




#35
 Dibromofluoromethane
 Concen: 53.020 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057969.D
 Acq: 12 Sep 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-D4-(4)

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.3	121.9
192	17.9	14.6	22.0

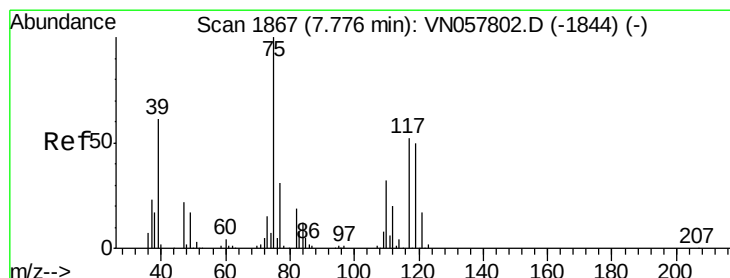
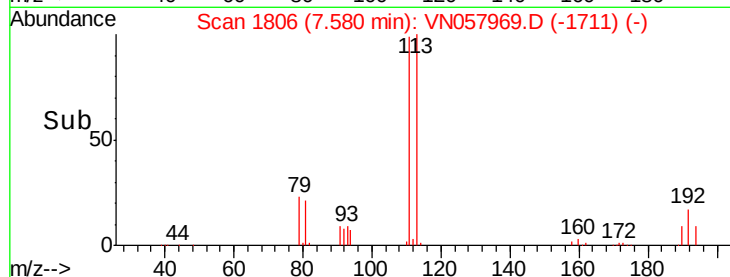
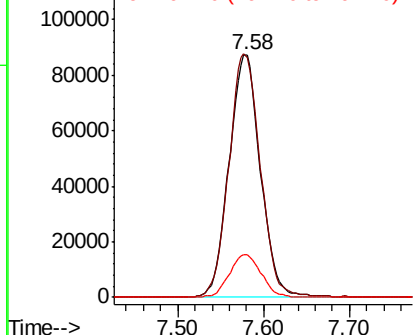


Abundance

Ion 112.80 (112.50 to 113.50): V

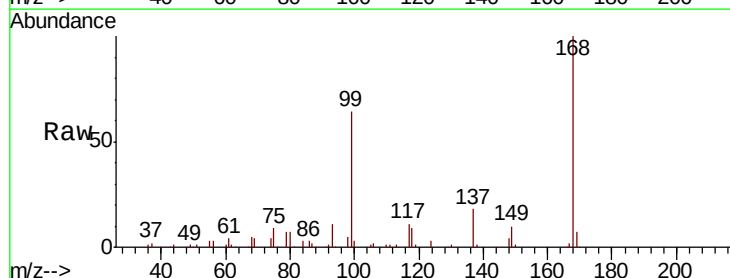
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.581 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057969.D
 Acq: 12 Sep 2019 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.8	16.3	48.9#
77	0.0	25.0	37.4#

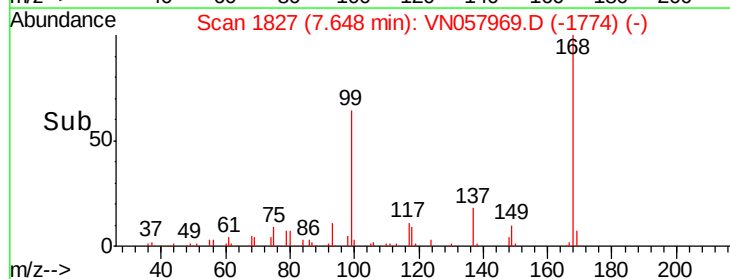
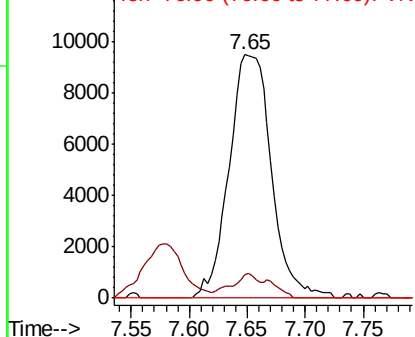


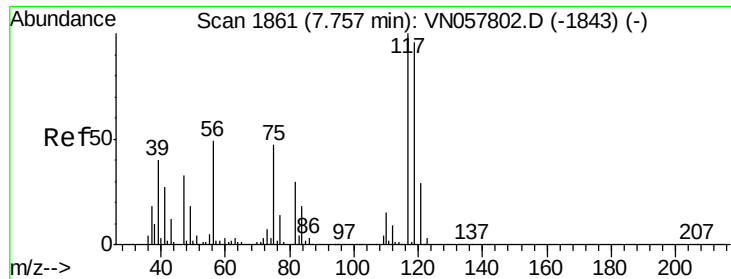
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

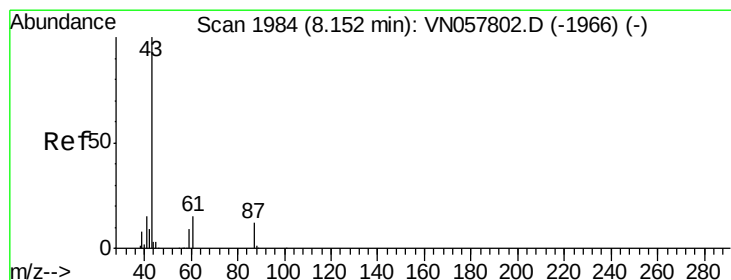
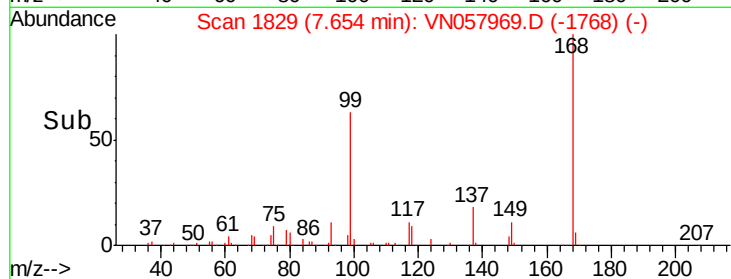
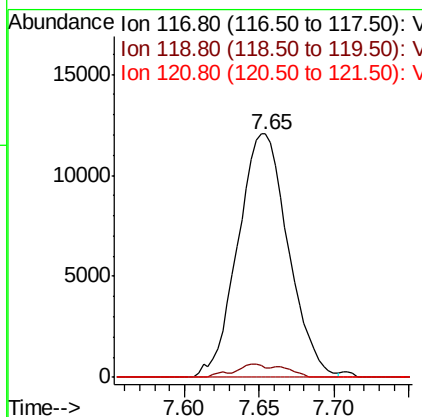
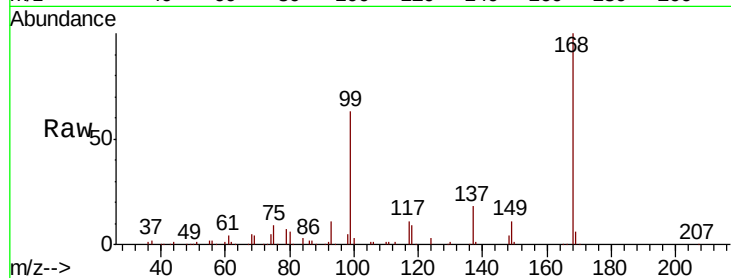




#38
Carbon Tetrachloride
Concen: 5.889 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.10 min
Lab File: VN057969.D
Acq: 12 Sep 2019 14:31

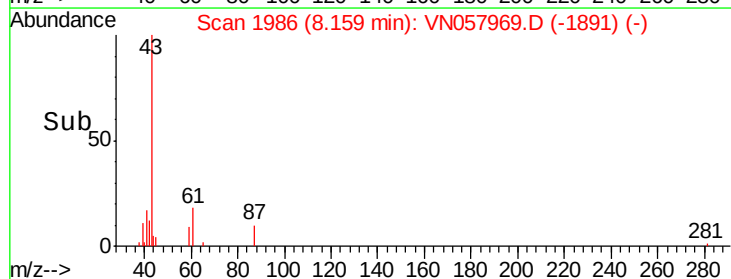
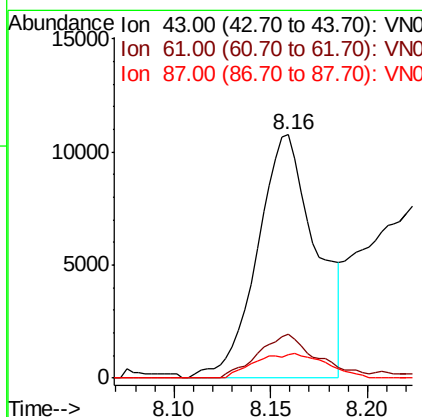
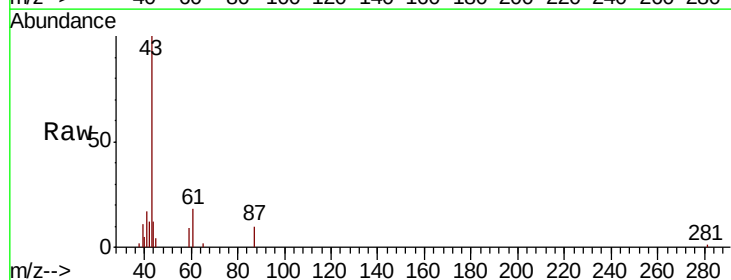
Instrument :
MSVOA_N
ClientSampled :
T11-D4-(4)

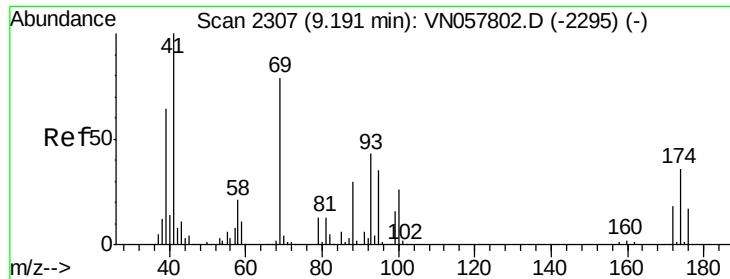
Tgt Ion:117 Resp: 28201
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.0 23.4 35.2#



#43
Isopropyl Acetate
Concen: 2.492 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.01 min
Lab File: VN057969.D
Acq: 12 Sep 2019 14:31

Tgt Ion: 43 Resp: 22709
Ion Ratio Lower Upper
43 100
61 18.0 20.1 30.1#
87 12.3 9.5 14.3

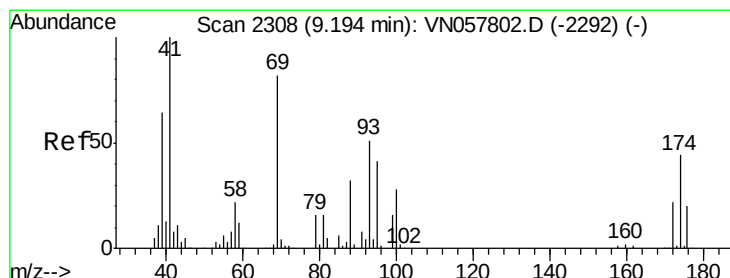
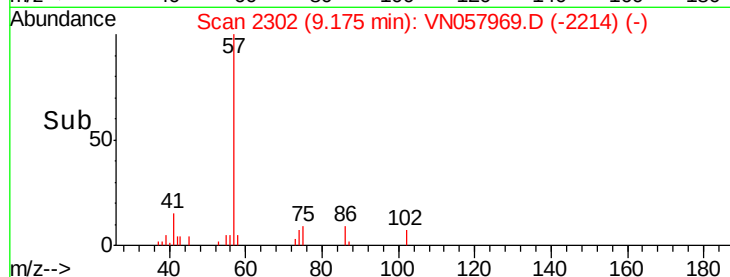
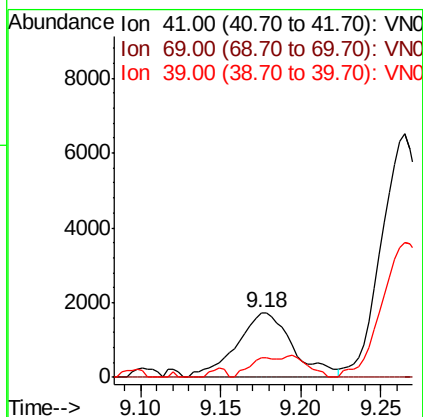
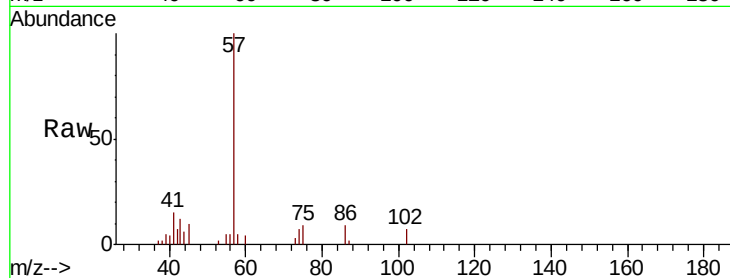




#48
Methyl methacrylate
Concen: 0.900 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN057969.D
Acq: 12 Sep 2019 14:31

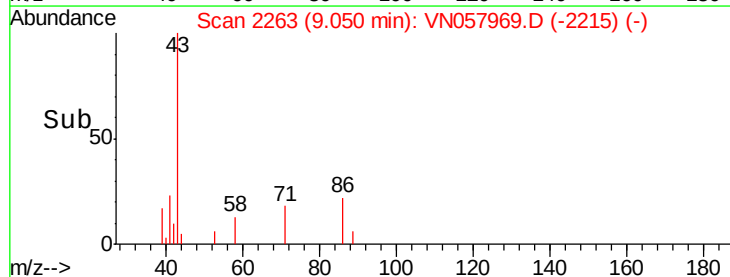
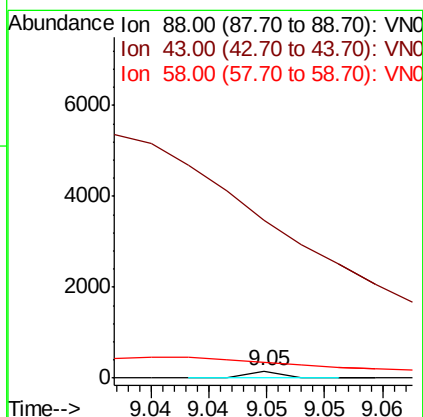
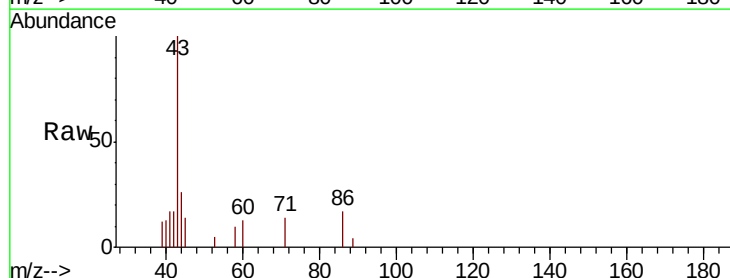
Instrument :
MSVOA_N
ClientSampleId :
T11-D4-(4)

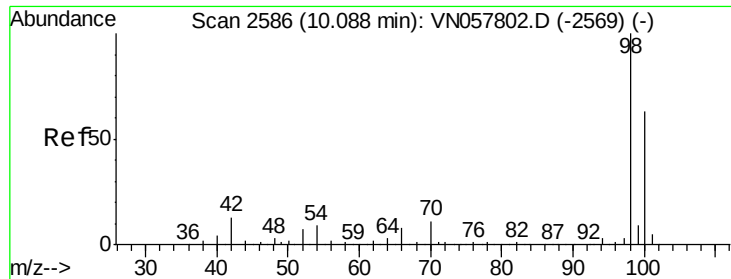
Tgt Ion: 41 Resp: 4159
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 14.7 52.7 79.1#



#49
1,4-Dioxane
Concen: 0.371 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. -0.14 min
Lab File: VN057969.D
Acq: 12 Sep 2019 14:31

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 32110.3 28.5 42.7#
58 2882.8 55.8 83.6#

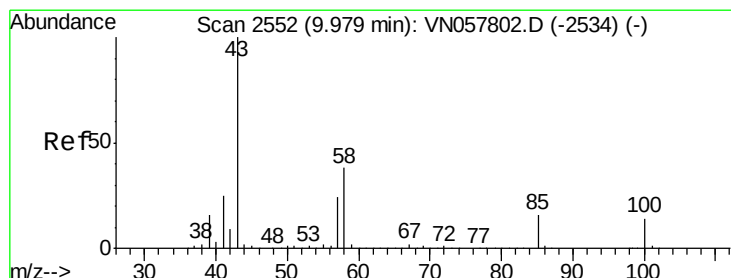
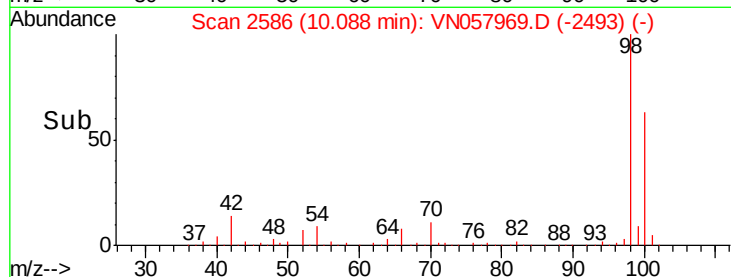
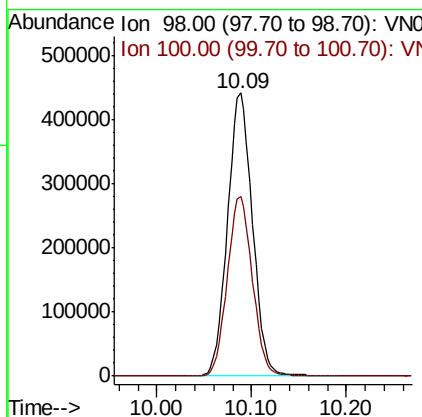
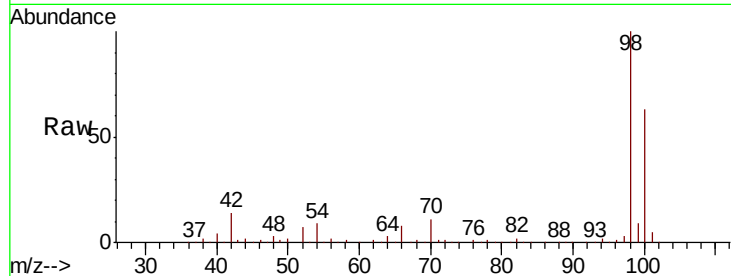




#50
Toluene-d8
Concen: 50.087 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057969.D
Acq: 12 Sep 2019 14:31

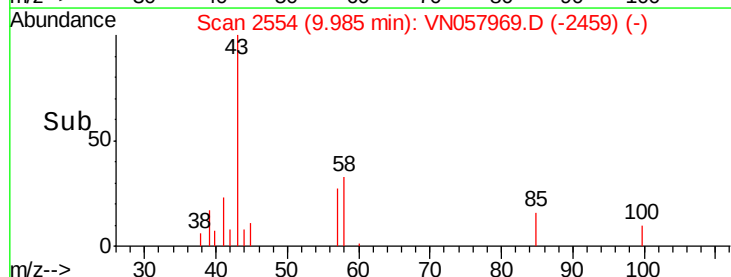
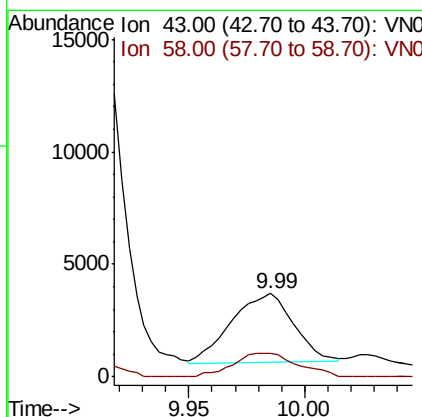
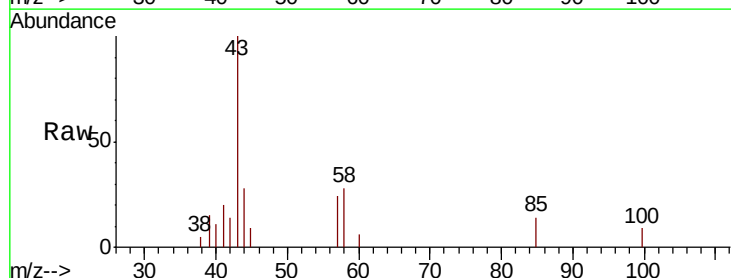
Instrument :
MSVOA_N
ClientSampleId :
T11-D4-(4)

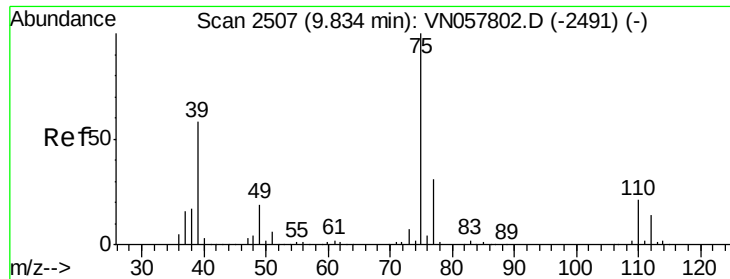
Tgt Ion: 98 Resp: 811679
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.060 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.01 min
Lab File: VN057969.D
Acq: 12 Sep 2019 14:31

Tgt Ion: 43 Resp: 5714
Ion Ratio Lower Upper
43 100
58 35.6 29.8 44.6





#54

cis-1,3-Dichloropropene

Concen: 3.283 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057969.D

Acq: 12 Sep 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

T11-D4-(4)

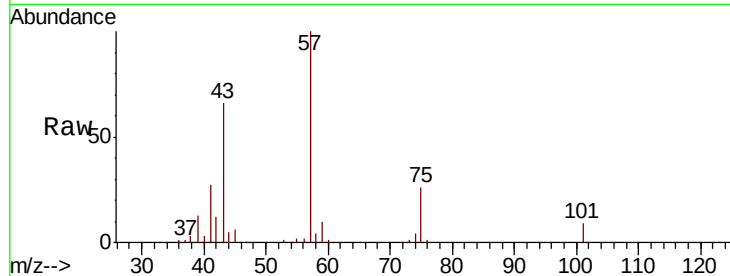
Tgt Ion: 75 Resp: 21162

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

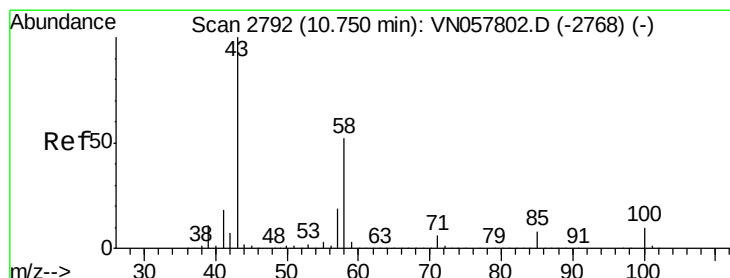
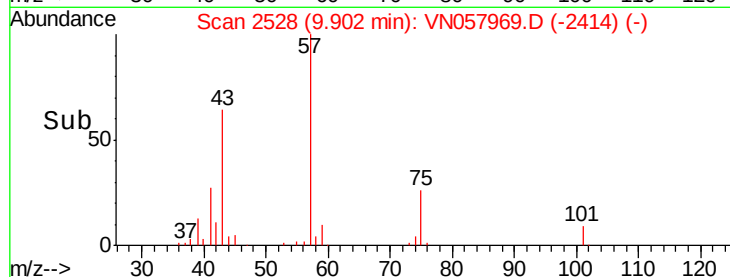
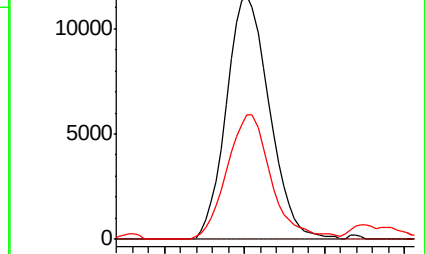
39 51.1 46.2 69.4



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-2491) (-)

Ion 76.90 (76.60 to 77.60): VN057802.D (-2491) (-)

Ion 39.00 (38.70 to 39.70): VN057802.D (-2491) (-)



#59

2-Hexanone

Concen: 5.540 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN057969.D

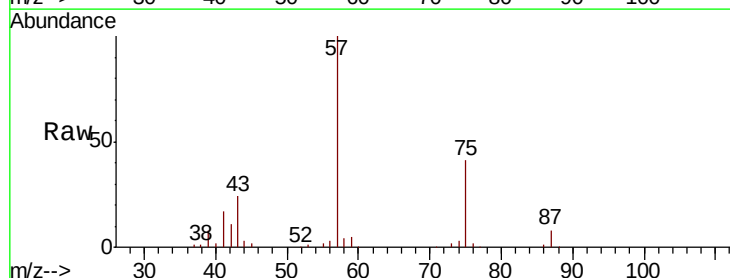
Acq: 12 Sep 2019 14:31

Tgt Ion: 43 Resp: 22391

Ion Ratio Lower Upper

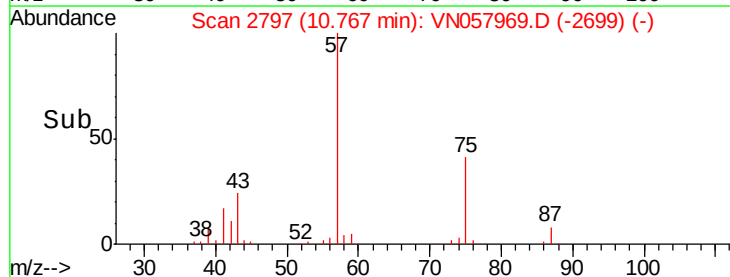
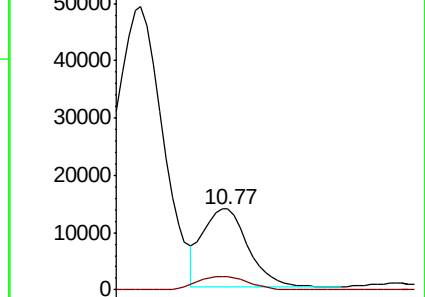
43 100

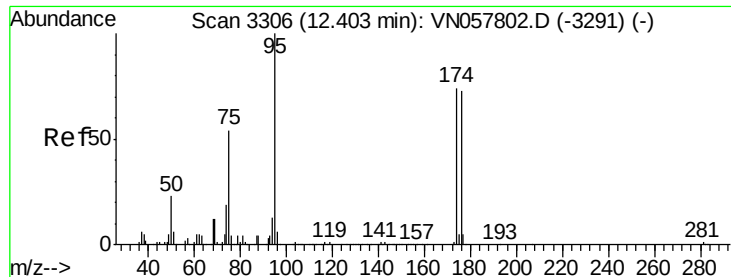
58 19.3 25.6 76.8#



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2768) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2768) (-)





#62

4-Bromofluorobenzene

Concen: 44.033 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057969.D

Acq: 12 Sep 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

T11-D4-(4)

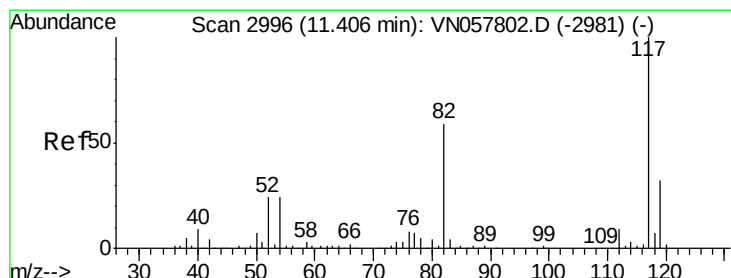
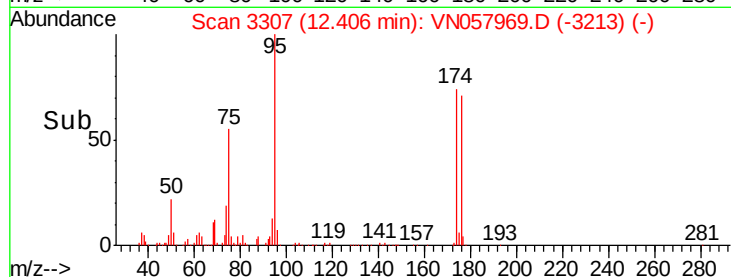
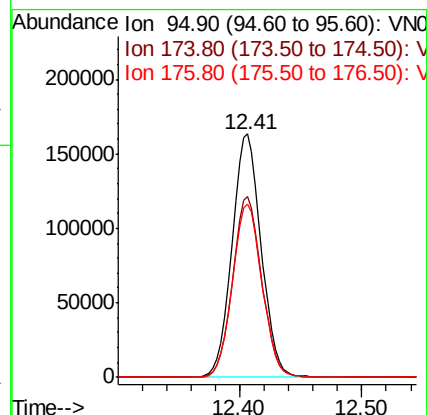
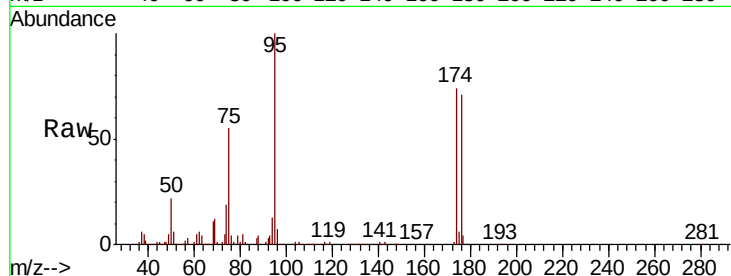
Tgt Ion: 95 Resp: 271935

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.2

176 72.4 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN057969.D

Acq: 12 Sep 2019 14:31

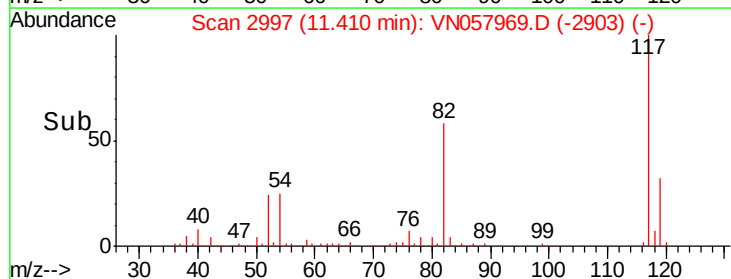
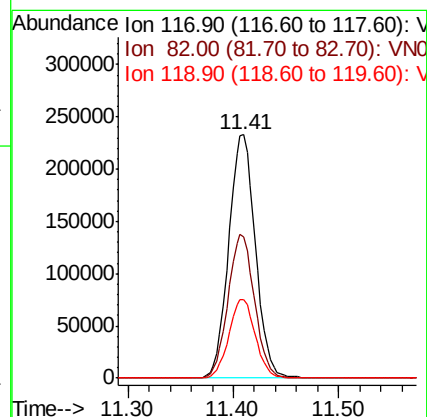
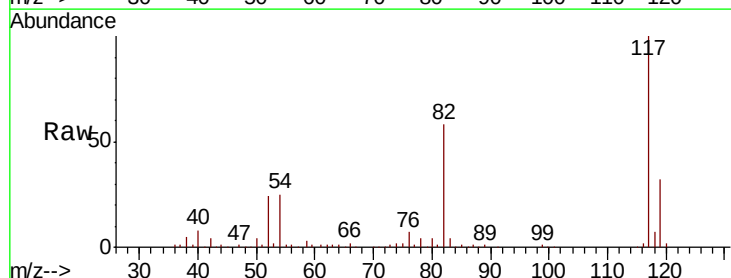
Tgt Ion: 117 Resp: 406440

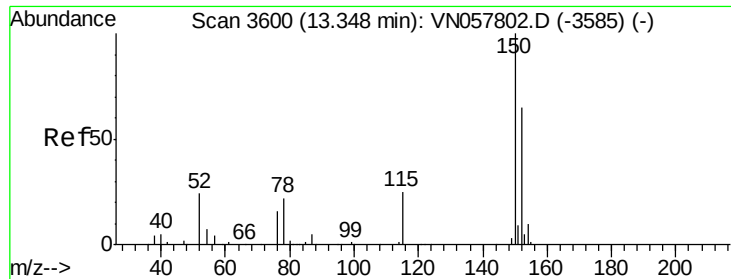
Ion Ratio Lower Upper

117 100

82 58.0 47.2 70.8

119 32.5 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057969.D

Acq: 12 Sep 2019 14:31

Instrument :

MSVOA_N

ClientSampled :

T11-D4-(4)

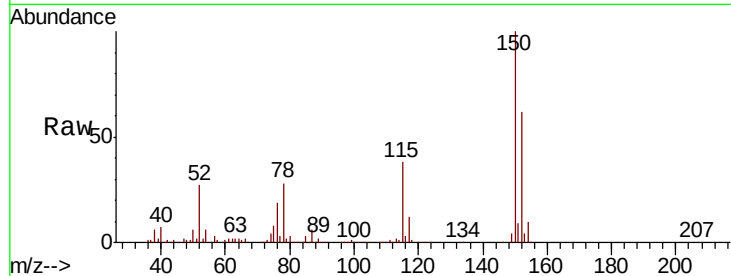
Tgt Ion:152 Resp: 204148

Ion Ratio Lower Upper

152 100

115 61.9 30.3 91.0

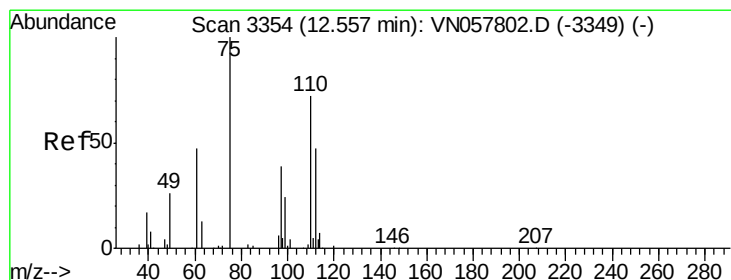
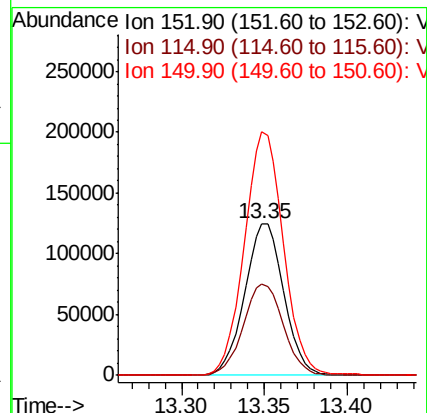
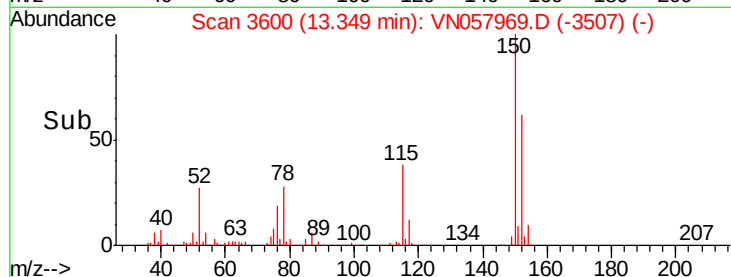
150 160.7 0.0 352.4



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



#76

1,2,3-Trichloropropane

Concen: 32.493 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057969.D

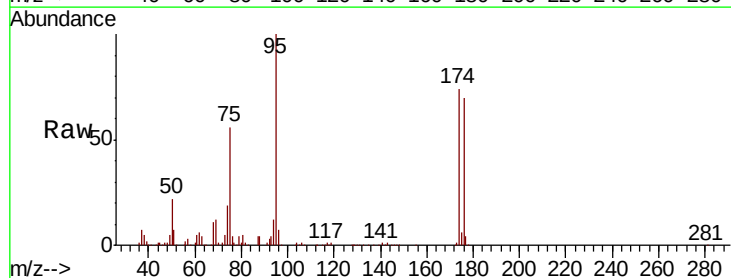
Acq: 12 Sep 2019 14:31

Tgt Ion: 75 Resp: 150058

Ion Ratio Lower Upper

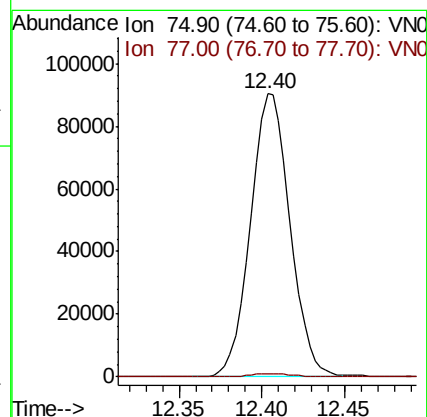
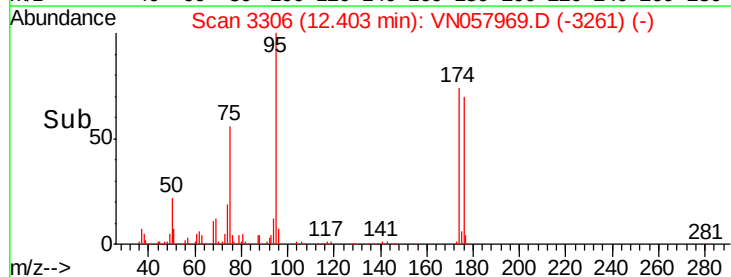
75 100

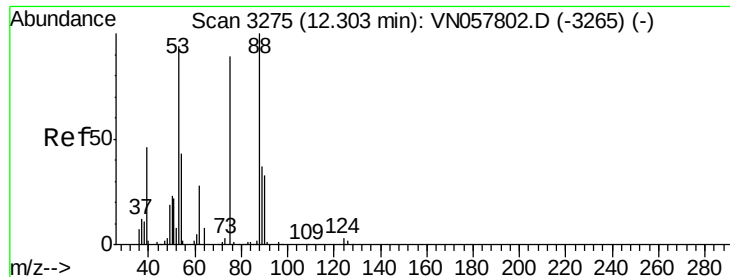
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.343 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057969.D

Acq: 12 Sep 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

T11-D4-(4)

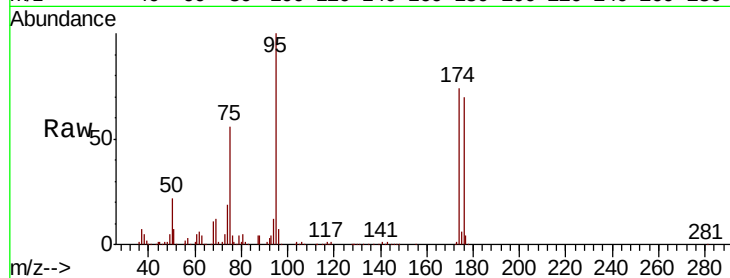
Tgt Ion: 75 Resp: 150058

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

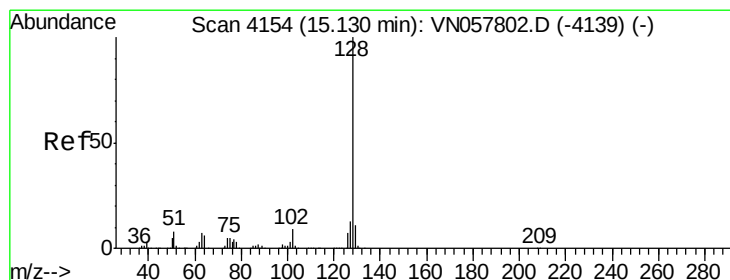
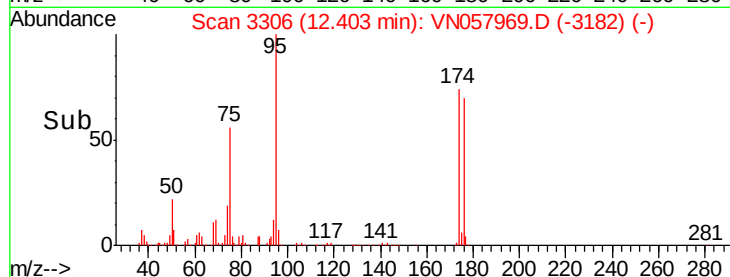
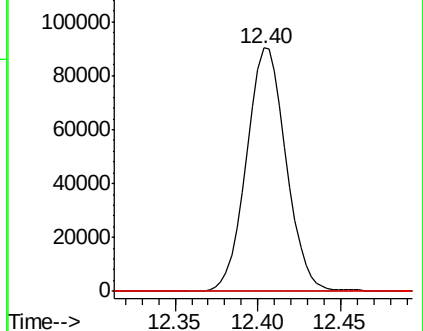
89 0.1 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057802.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057802.D (-3265) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057969.D

Acq: 12 Sep 2019 14:31

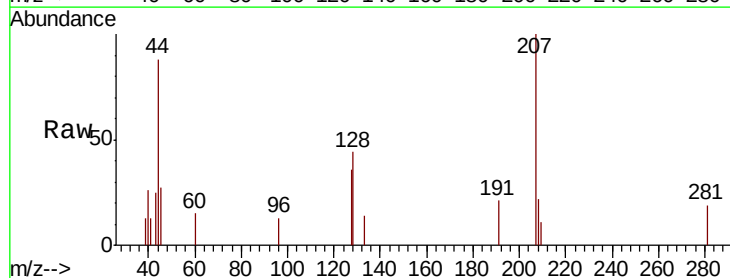
Tgt Ion: 128 Resp: 1367

Ion Ratio Lower Upper

128 100

127 8.3 10.3 15.5#

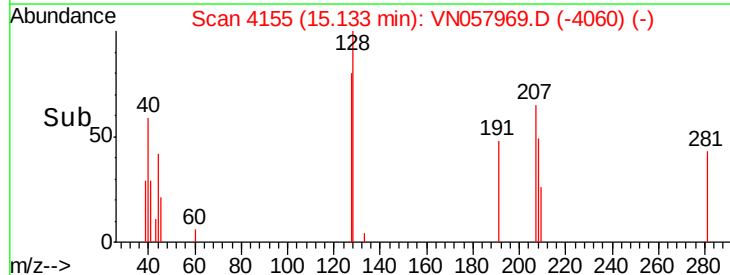
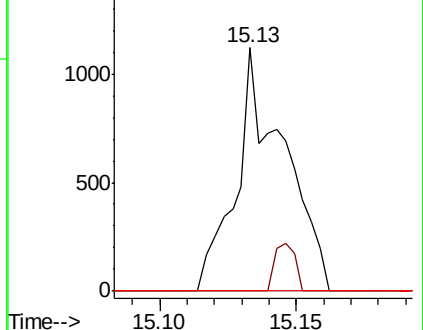
129 0.0 8.6 12.8#

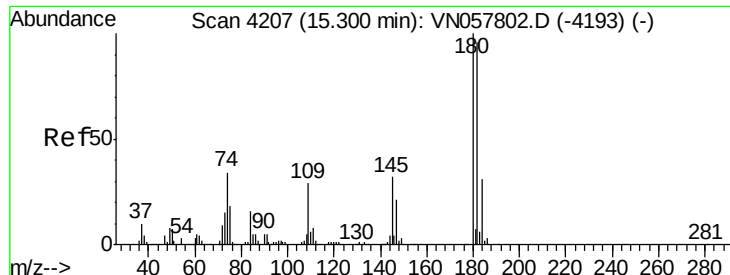


Abundance Ion 128.00 (127.70 to 128.70): VN057802.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN057802.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN057802.D (-4139) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: 1.064 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN057969.D
 Acq: 12 Sep 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-D4-(4)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	23.9	48.3	144.8#
145	0.0	16.3	48.8#

