

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
 Data File : VX012035.D
 Acq On : 03 Sep 2019 21:18
 Operator : SY/SP
 Sample : K4546-04
 Misc : 5.35g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C2-(2.5)

Quant Time: Sep 04 04:05:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	78901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	134711	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	112834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	44375	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	48438	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	
35) Dibromofluoromethane	5.48	113	38934	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
50) Toluene-d8	8.71	98	157175	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.14	95	58576	41.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.86%	

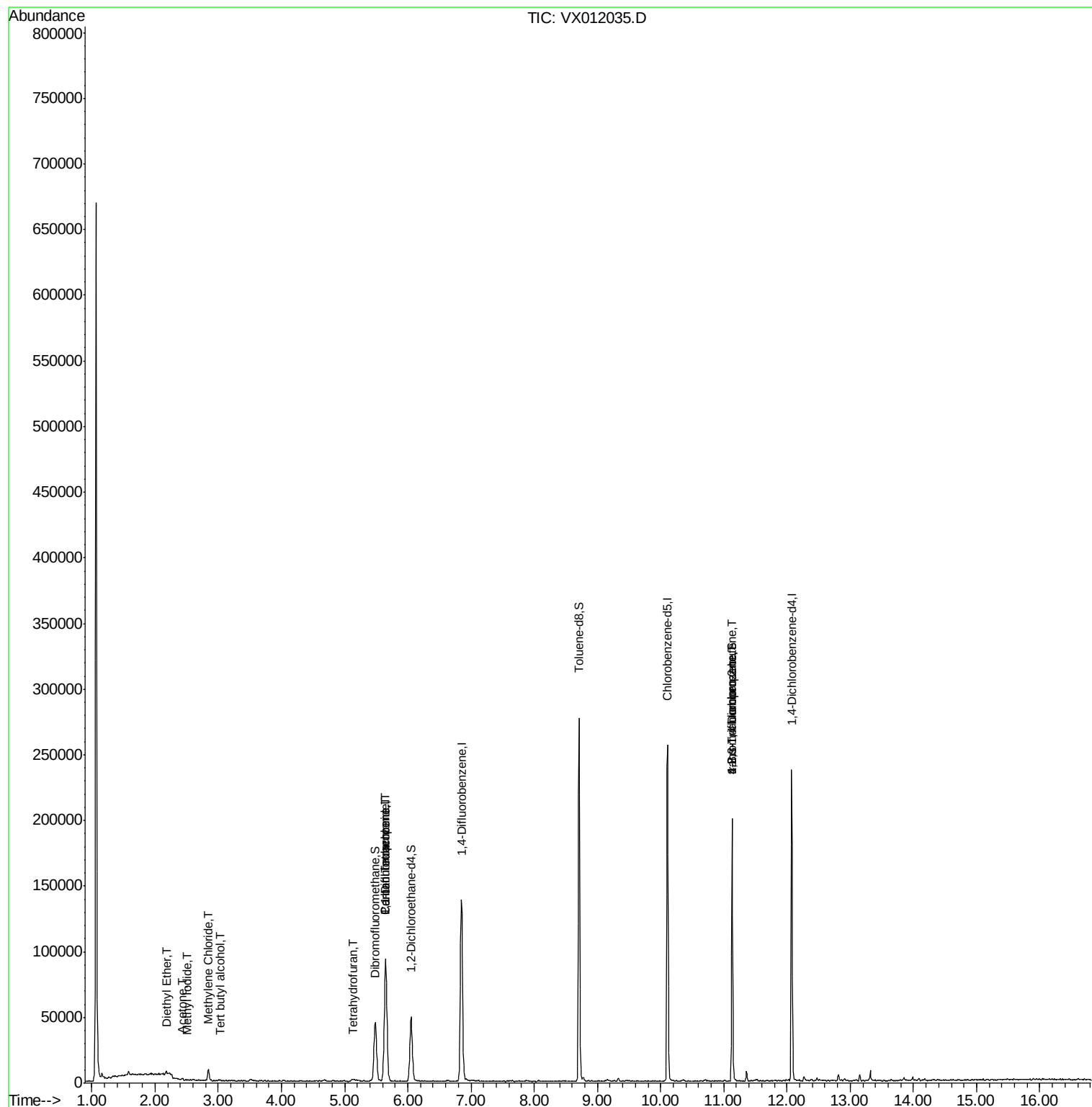
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	813	2.161	ug/l	99
10) Methyl Iodide	2.50	142	149	7.145	ug/l #	76
11) Tert butyl alcohol	3.03	59	354	3.385	ug/l #	1
13) Acrolein	2.30	56	116	Below Cal		98
16) Acetone	2.43	43	1625	6.245	ug/l #	82
20) Methylene Chloride	2.85	84	3656	3.499	ug/l	94
29) Tetrahydrofuran	5.13	42	1903	9.535	ug/l	97
36) 1,1-Dichloropropene	5.64	75	7285	6.140	ug/l #	51
38) Carbon Tetrachloride	5.64	117	9272	7.416	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	29346	54.124	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	29346	127.959	ug/l #	10

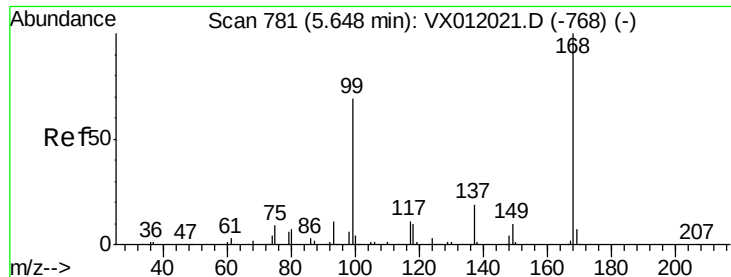
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012035.D

Acq: 03 Sep 2019 21:18

Instrument :

MSVOA_X

ClientSampleId :

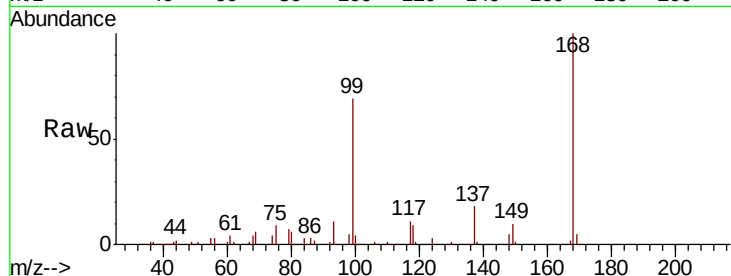
T3-S-C2-(2.5)

Tgt Ion:168 Resp: 78901

Ion Ratio Lower Upper

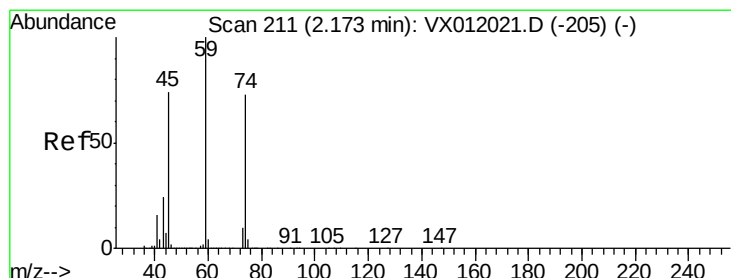
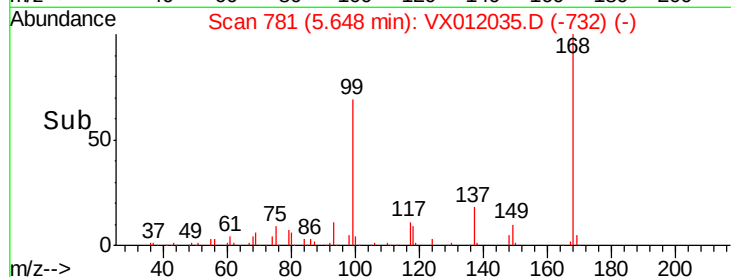
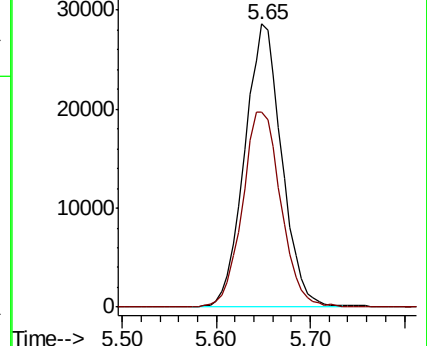
168 100

99 68.7 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 2.161 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012035.D

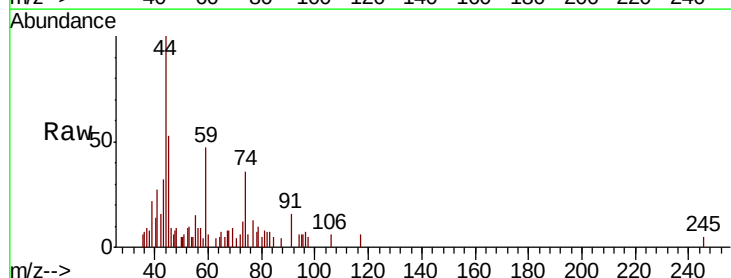
Acq: 03 Sep 2019 21:18

Tgt Ion: 74 Resp: 813

Ion Ratio Lower Upper

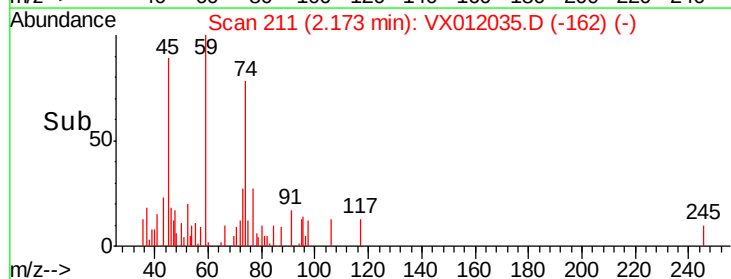
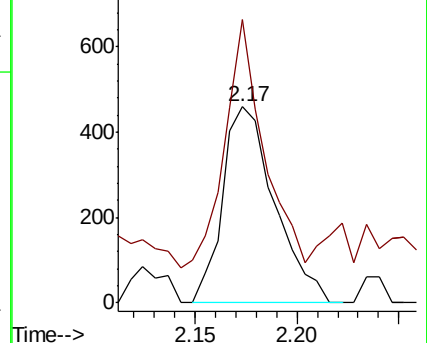
74 100

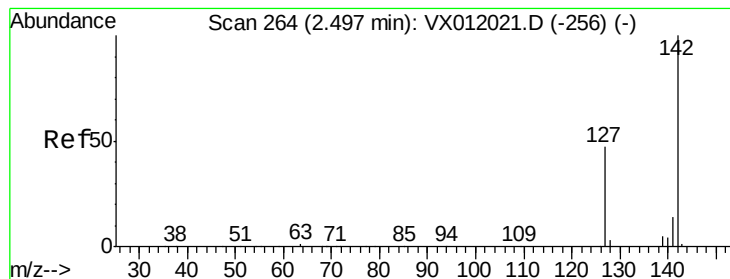
45 93.1 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methyl Iodide

Concen: 7.145 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012035.D

Acq: 03 Sep 2019 21:18

Instrument :

MSVOA_X

ClientSampled :

T3-S-C2-(2.5)

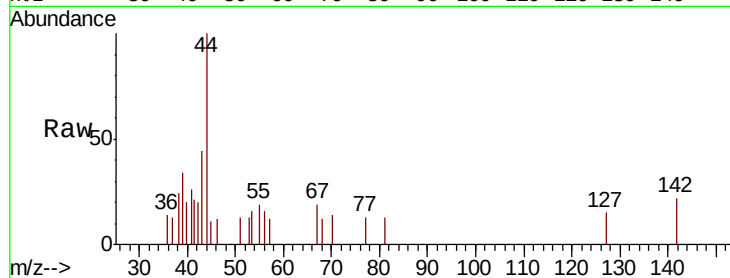
Tgt Ion: 142 Resp: 149

Ion Ratio Lower Upper

142 100

127 30.9 35.4 53.2#

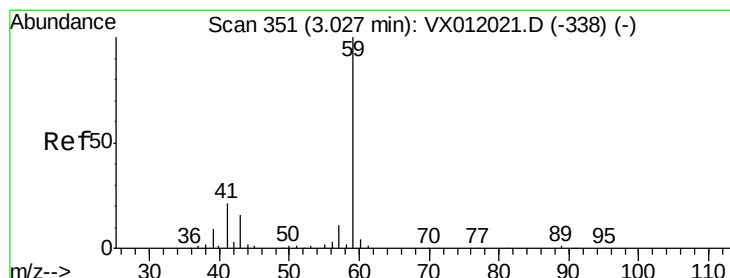
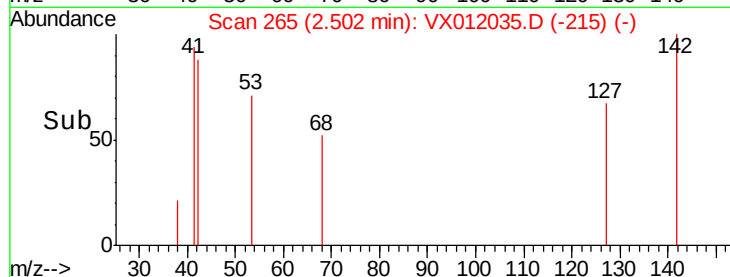
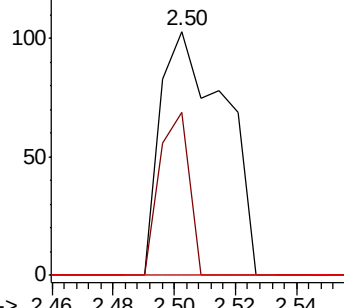
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 3.385 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX012035.D

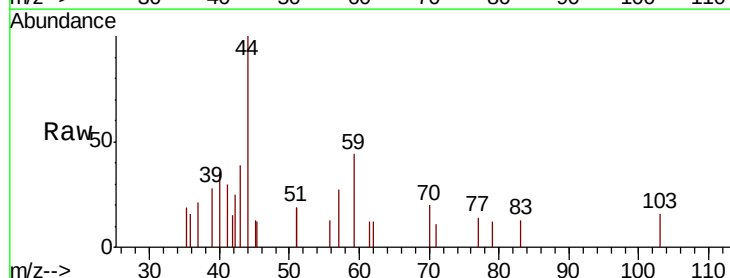
Acq: 03 Sep 2019 21:18

Tgt Ion: 59 Resp: 354

Ion Ratio Lower Upper

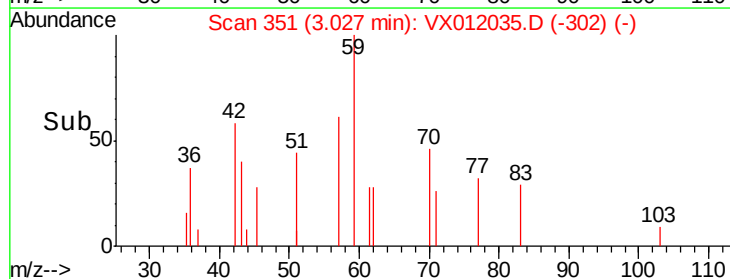
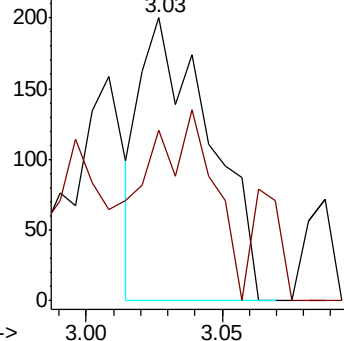
59 100

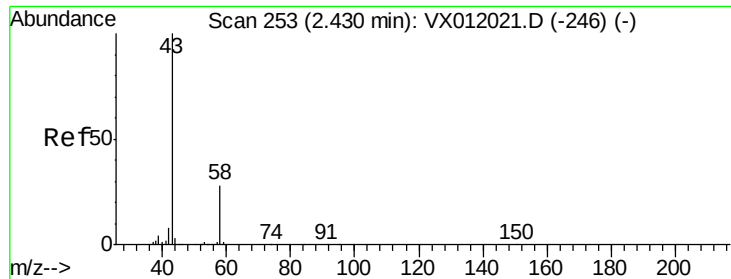
57 67.8 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

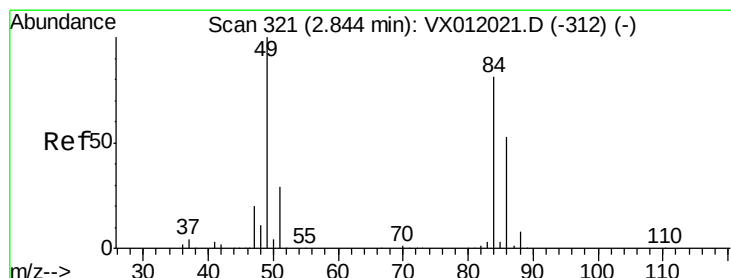
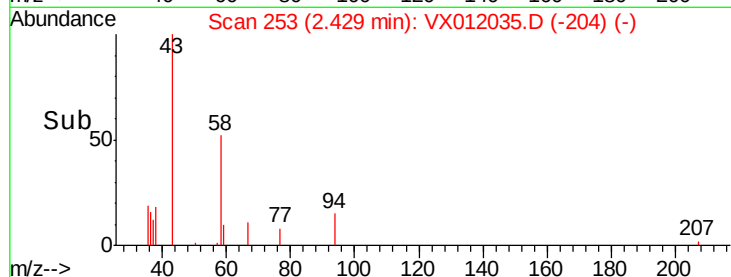
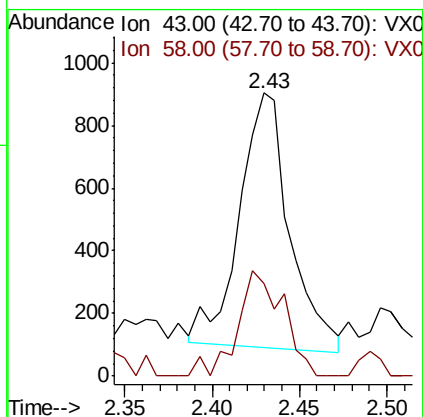
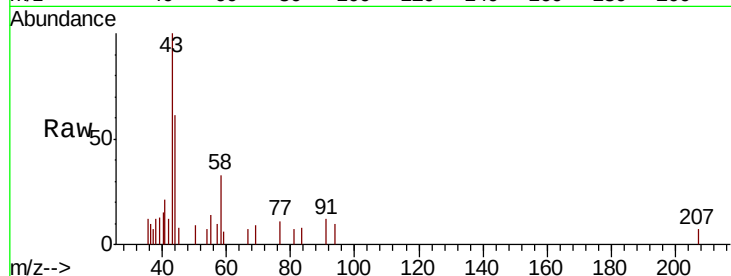




#16
Acetone
Concen: 6.245 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012035.D
Acq: 03 Sep 2019 21:18

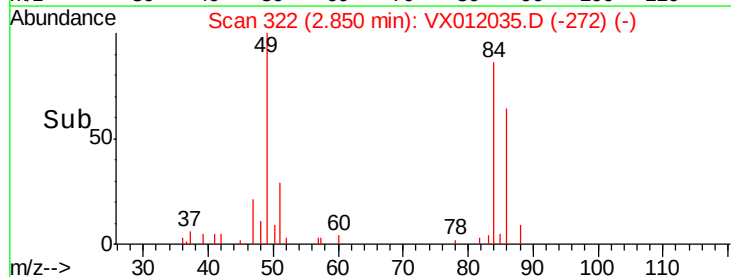
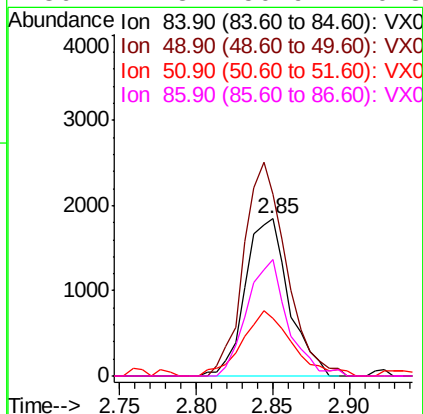
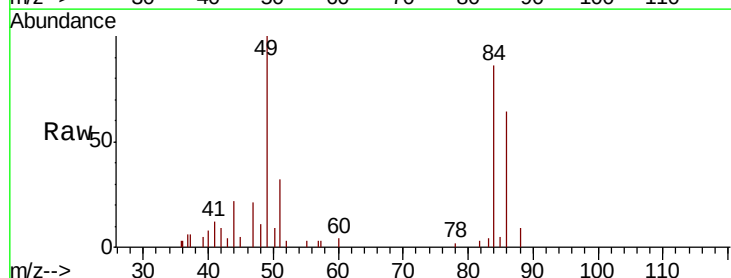
Instrument :
MSVOA_X
ClientSampleId :
T3-S-C2-(2.5)

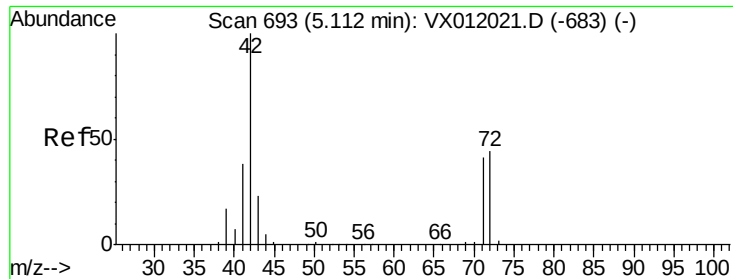
Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
58 38.2 22.8 34.2#



#20
Methylene Chloride
Concen: 3.499 ug/l
RT: 2.85 min Scan# 321
Delta R.T. 0.01 min
Lab File: VX012035.D
Acq: 03 Sep 2019 21:18

Tgt Ion: 84 Resp: 3656
Ion Ratio Lower Upper
84 100
49 115.8 95.8 143.8
51 37.0 28.6 43.0
86 74.3 50.9 76.3





#29

Tetrahydrofuran

Concen: 9.535 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012035.D

Acq: 03 Sep 2019 21:18

Instrument :

MSVOA_X

ClientSampleId :

T3-S-C2-(2.5)

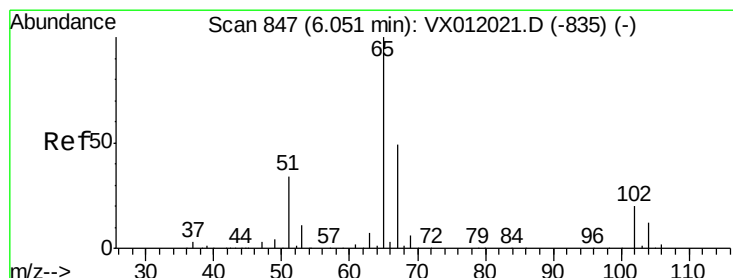
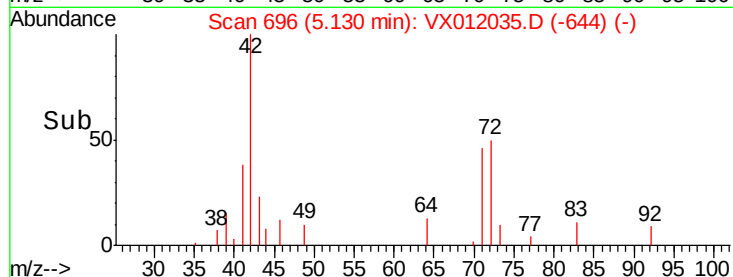
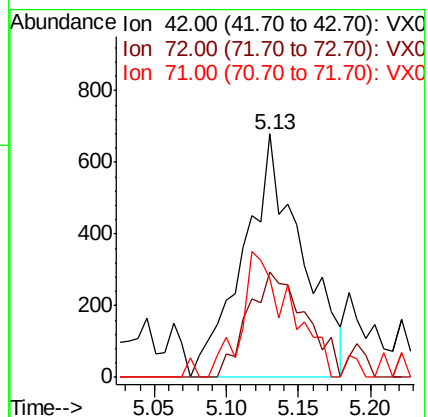
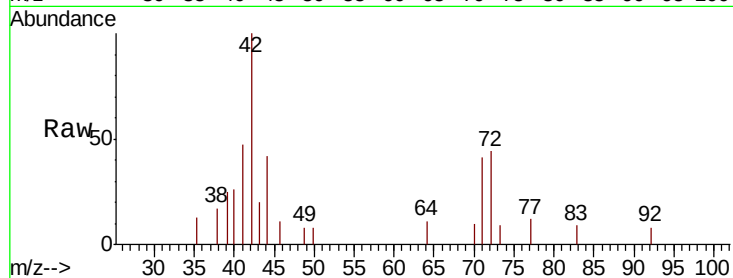
Tgt Ion: 42 Resp: 1903

Ion Ratio Lower Upper

42 100

72 42.9 37.0 55.4

71 43.4 33.8 50.8



#33

1,2-Dichloroethane-d4

Concen: 44.493 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012035.D

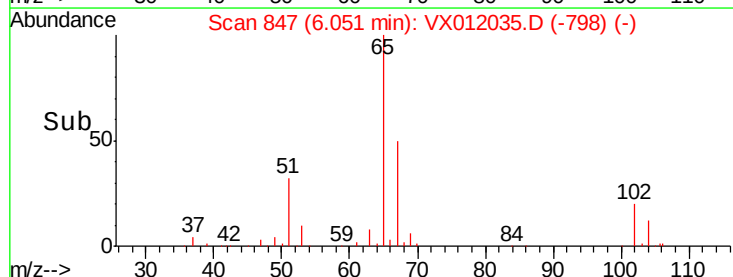
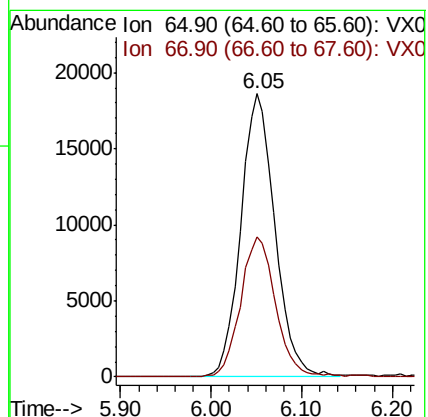
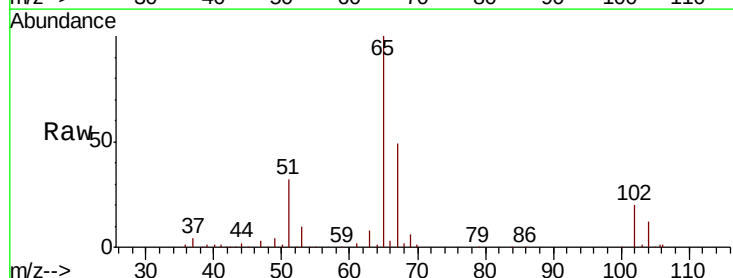
Acq: 03 Sep 2019 21:18

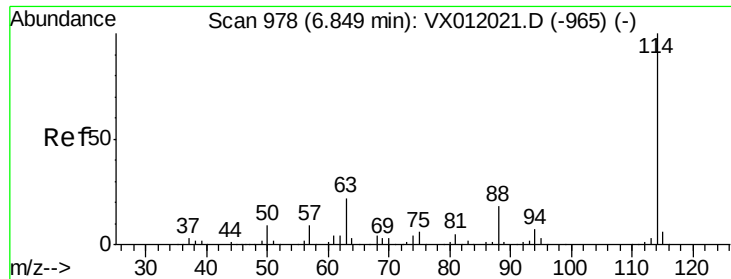
Tgt Ion: 65 Resp: 48438

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.0

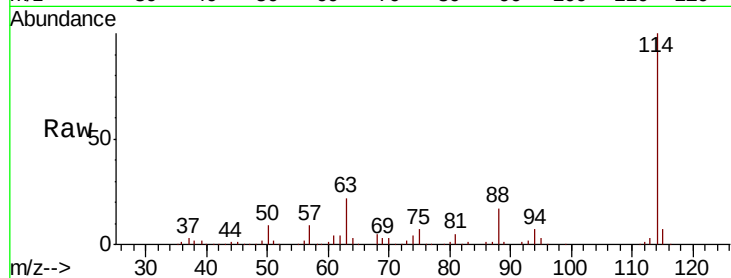




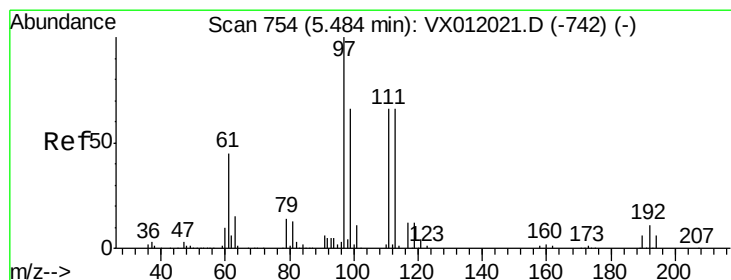
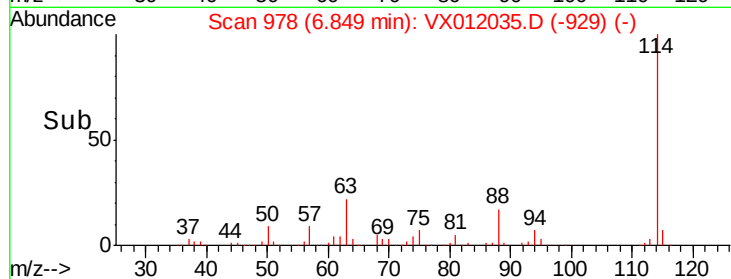
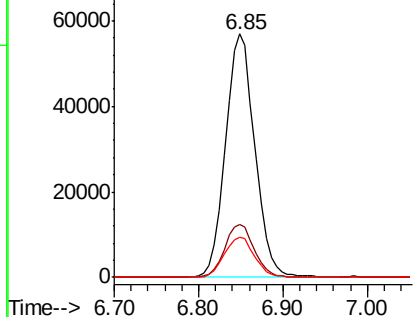
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012035.D
 Acq: 03 Sep 2019 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C2-(2.5)

Tgt Ion:114 Resp: 134711
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 37.4
 88 16.6 0.0 29.6

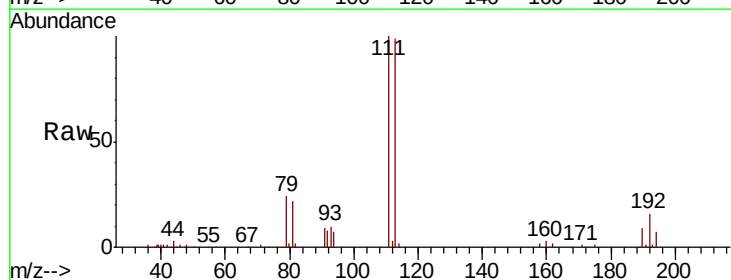


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

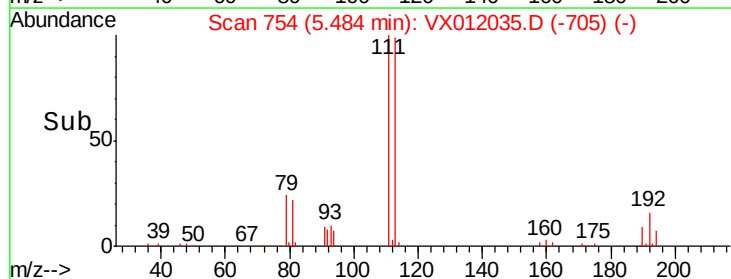
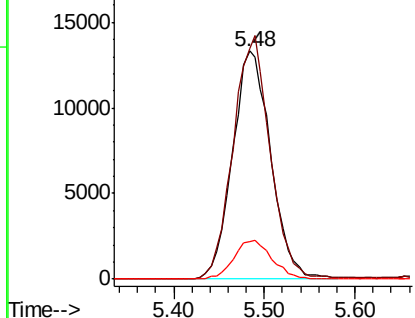


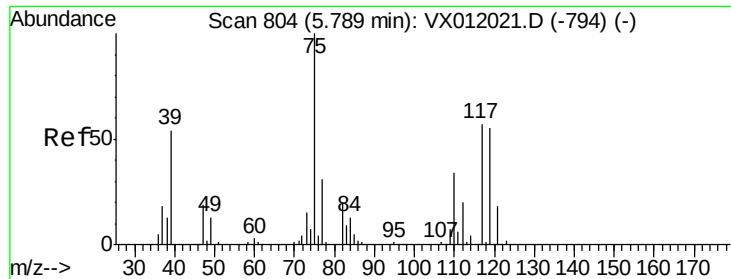
#35
 Dibromofluoromethane
 Concen: 46.997 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012035.D
 Acq: 03 Sep 2019 21:18

Tgt Ion:113 Resp: 38934
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.7 122.5
 192 16.9 22.5 33.7#



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

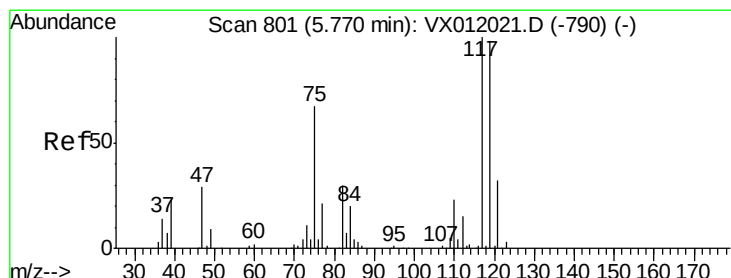
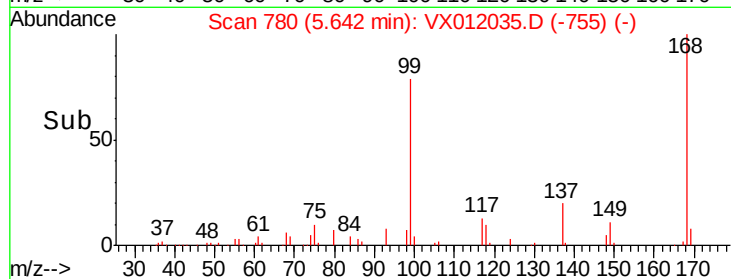
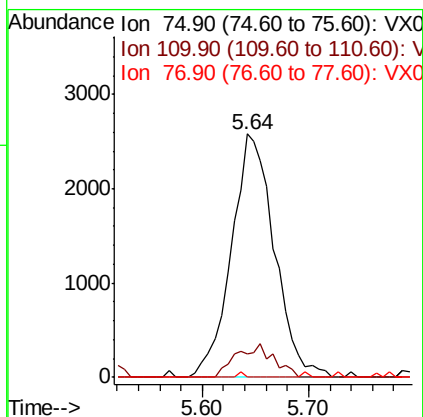
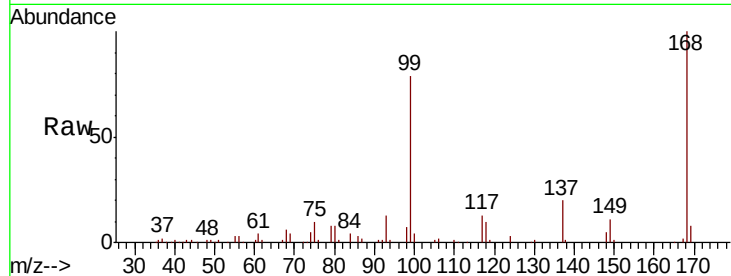




#36
 1,1-Dichloropropene
 Concen: 6.140 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012035.D
 Acq: 03 Sep 2019 21:18

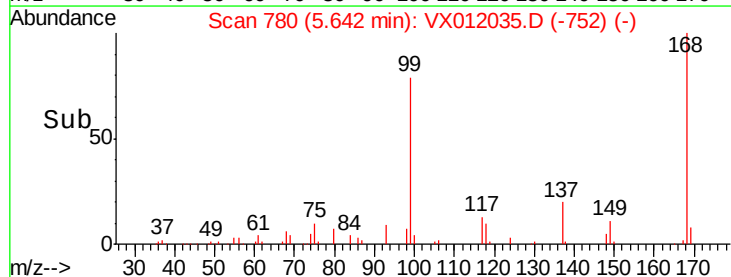
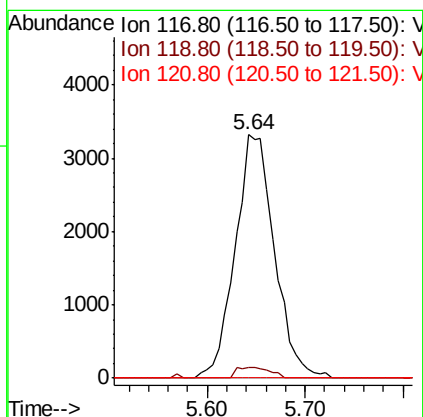
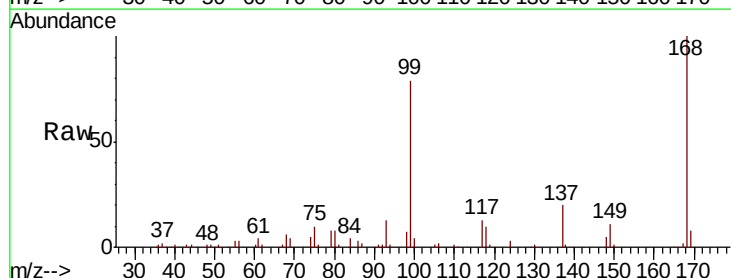
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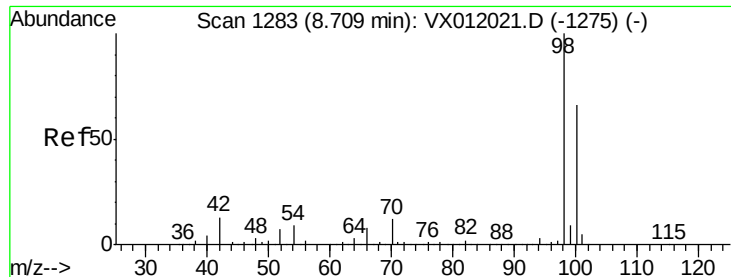
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.9	19.5	58.5#
77	0.3	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.416 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012035.D
 Acq: 03 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	78.3	117.5#
121	0.0	24.2	36.2#

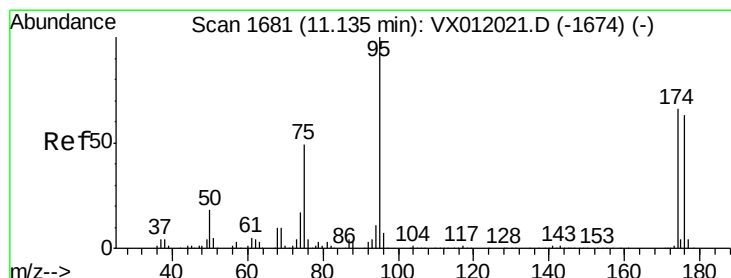
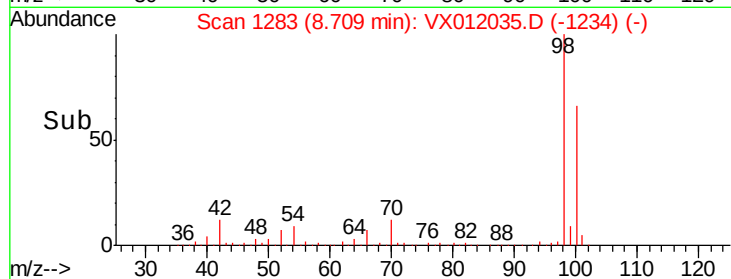
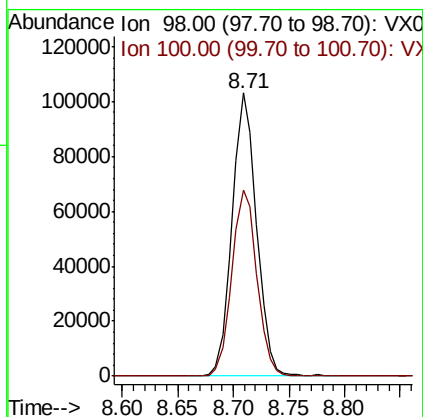
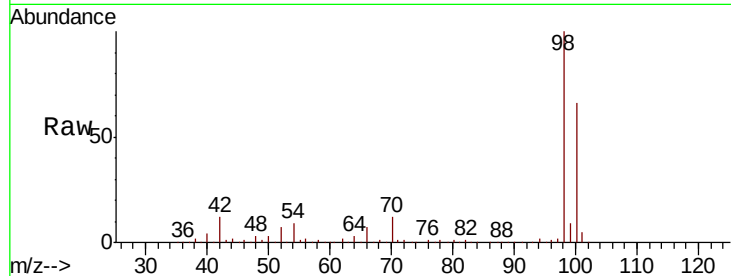




#50
Toluene-d8
Concen: 51.703 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012035.D
Acq: 03 Sep 2019 21:18

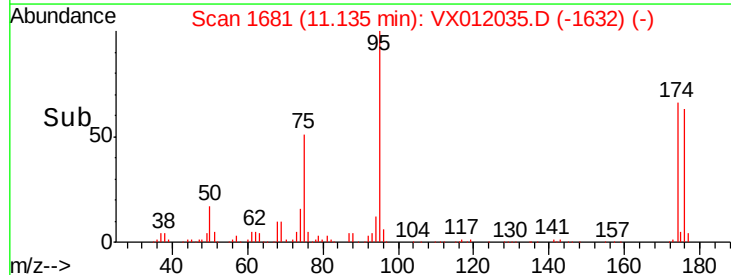
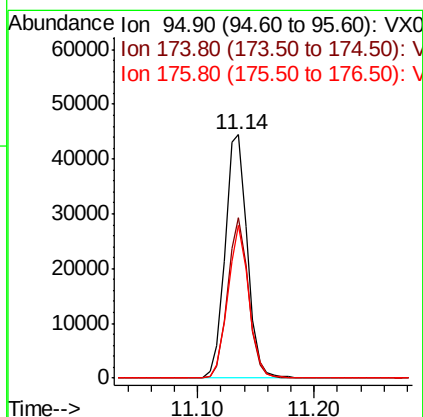
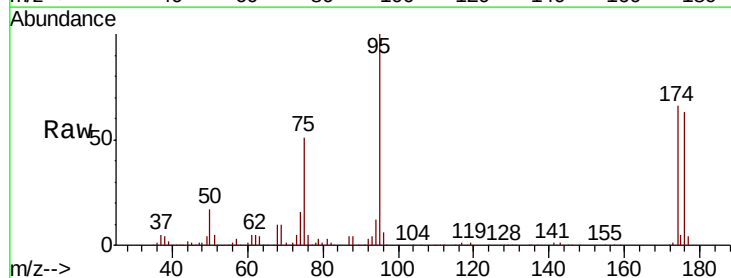
Instrument :
MSVOA_X
ClientSampleId :
T3-S-C2-(2.5)

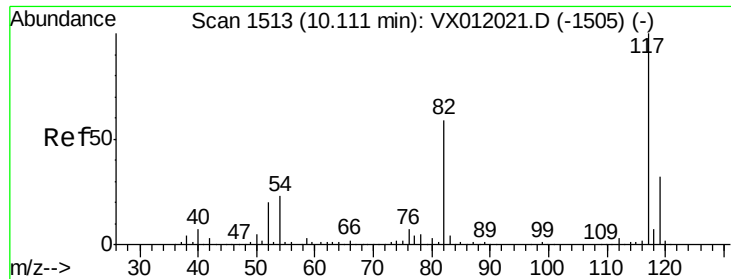
Tgt Ion: 98 Resp: 157175
Ion Ratio Lower Upper
98 100
100 67.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 41.433 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012035.D
Acq: 03 Sep 2019 21:18

Tgt Ion: 95 Resp: 58576
Ion Ratio Lower Upper
95 100
174 62.0 0.0 205.4
176 59.3 0.0 201.8

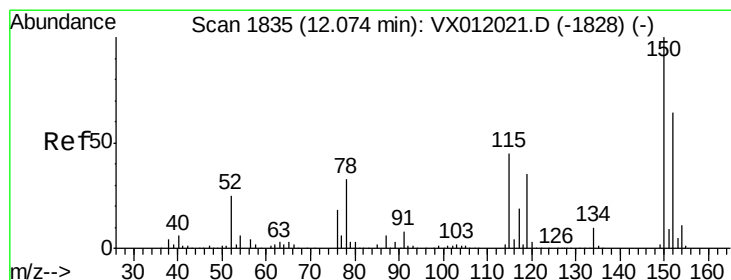
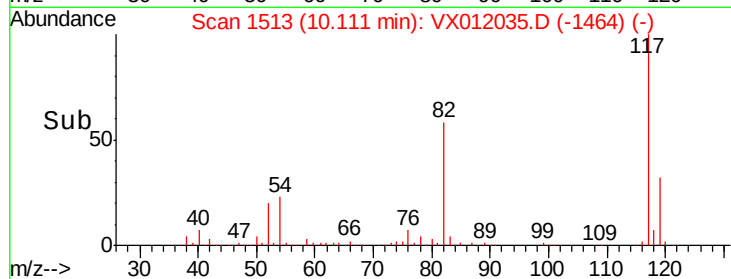
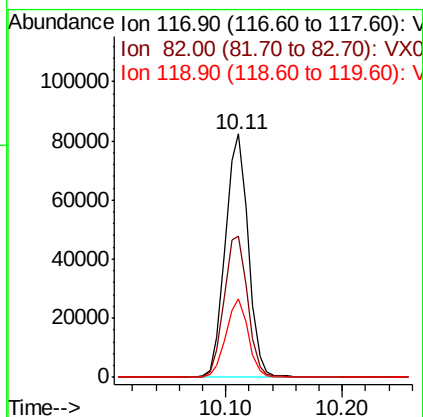
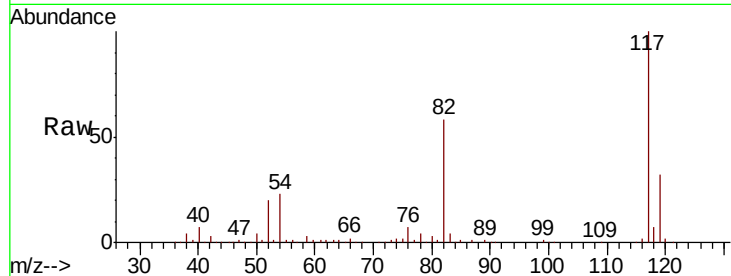




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012035.D
Acq: 03 Sep 2019 21:18

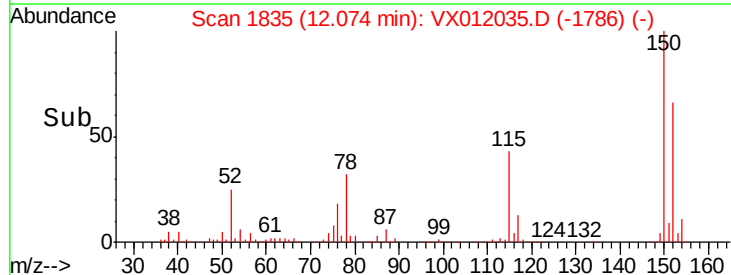
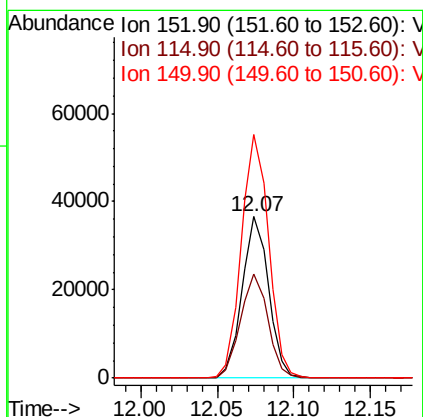
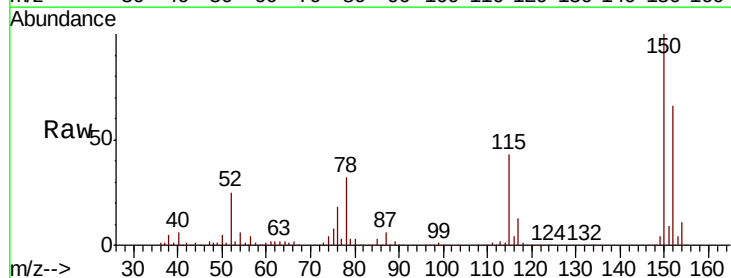
Instrument :
MSVOA_X
ClientSampled :
T3-S-C2-(2.5)

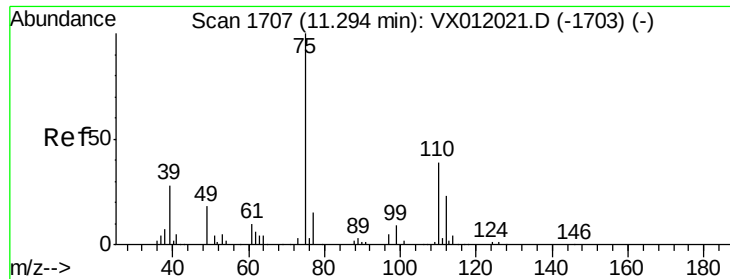
Tgt Ion:117 Resp: 112834
Ion Ratio Lower Upper
117 100
82 58.2 39.4 59.0
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012035.D
Acq: 03 Sep 2019 21:18

Tgt Ion:152 Resp: 44375
Ion Ratio Lower Upper
152 100
115 66.3 36.4 109.3
150 154.4 0.0 341.2

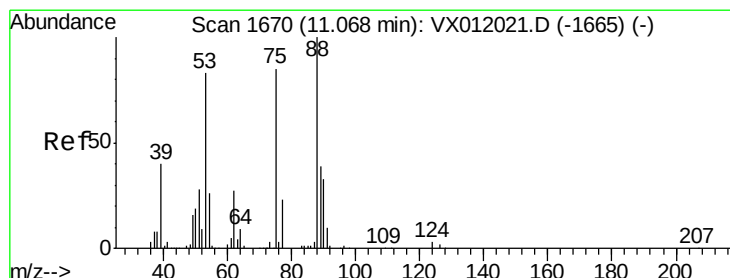
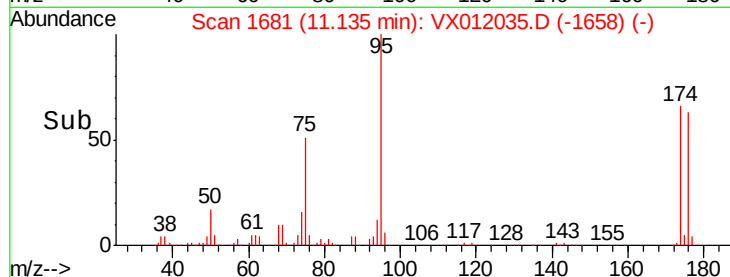
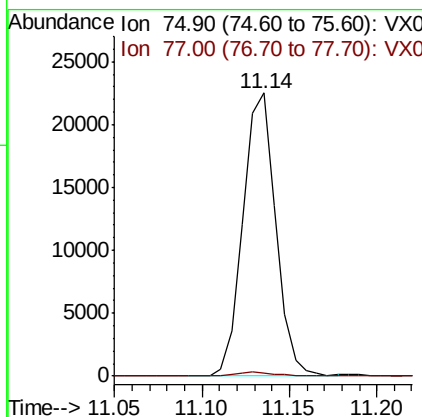
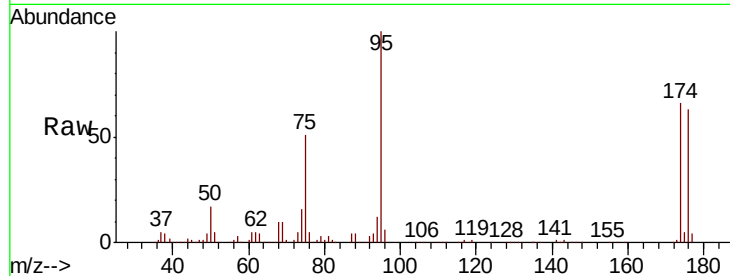




#76
 1,2,3-Trichloropropane
 Concen: 54.124 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012035.D
 Acq: 03 Sep 2019 21:18

Instrument :
 MSVOA_X
 ClientSampled :
 T3-S-C2-(2.5)

Tgt Ion: 75 Resp: 29346
 Ion Ratio Lower Upper
 75 100
 77 1.5 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.959 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012035.D
 Acq: 03 Sep 2019 21:18

Tgt Ion: 75 Resp: 29346
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 117.8#
 89 0.1 38.8 58.2#

