

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012059.D
 Acq On : 04 Sep 2019 18:35
 Operator : SY/SP
 Sample : K4546-07RE
 Misc : 6.16g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C4-(0)RE

Quant Time: Sep 05 05:25:54 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	153283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269473	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	56108	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	103265	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
35) Dibromofluoromethane	5.48	113	80791	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	8.71	98	299578	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.14	95	95053	33.61	ug/l	0.00
Spiked Amount			Recovery	=	67.22%	

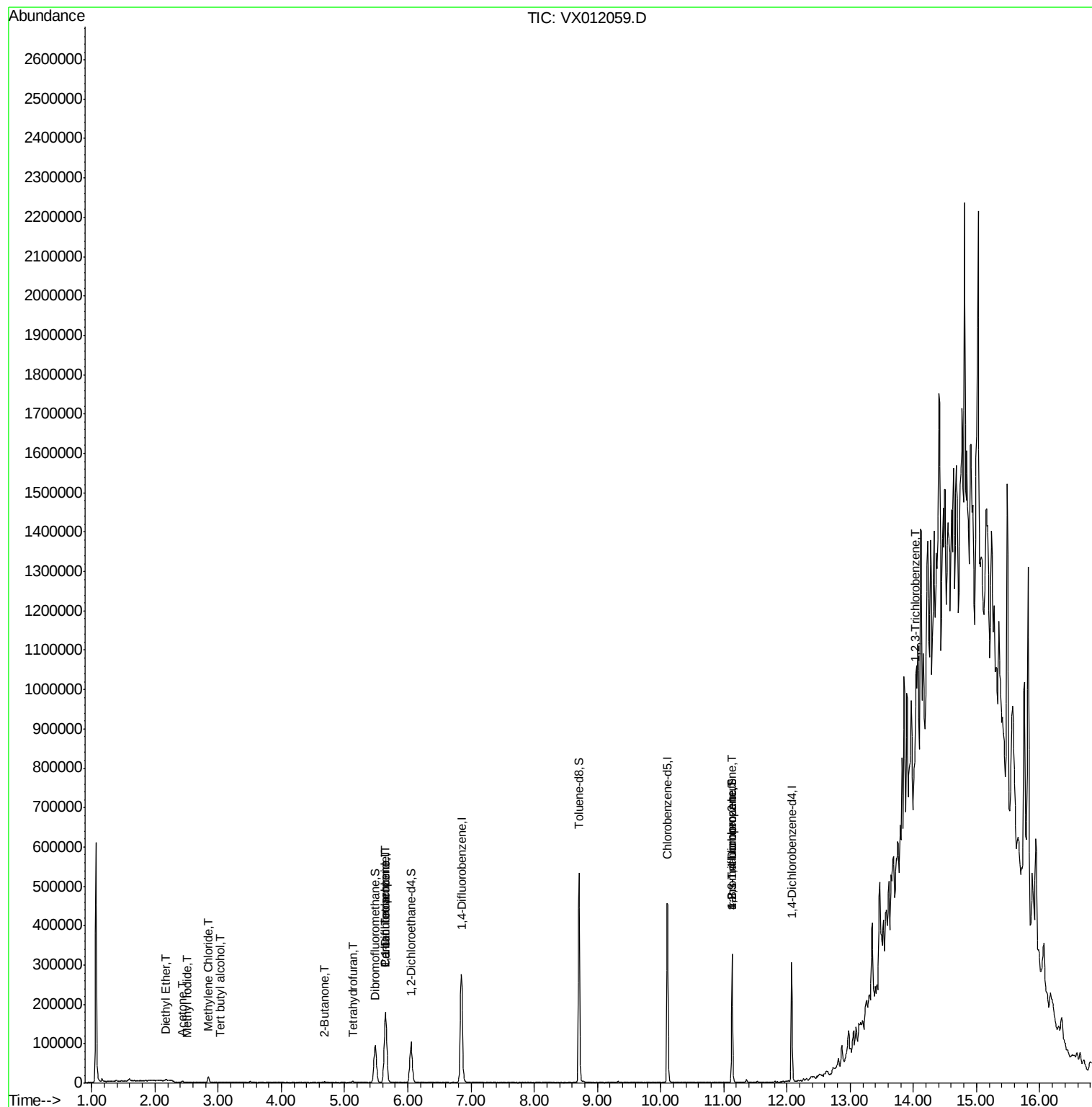
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1332	1.822	ug/l	99
10) Methyl Iodide	2.50	142	67	7.025	ug/l #	40
11) Tert butyl alcohol	3.03	59	2133	10.500	ug/l #	86
13) Acrolein	2.26	56	217	Below Cal	#	1
16) Acetone	2.43	43	3608	7.137	ug/l	97
20) Methylene Chloride	2.84	84	6989	3.443	ug/l	96
25) 2-Butanone	4.69	43	704	1.094	ug/l	90
29) Tetrahydrofuran	5.13	42	3167	8.168	ug/l #	73
36) 1,1-Dichloropropene	5.64	75	13975	5.888	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17790	7.113	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	48164	70.256	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	48164	166.095	ug/l #	10
96) 1,2,3-Trichlorobenzene	14.03	180	19619	18.856	ug/l #	18

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

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Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
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: VX012059.D

Acq: 04 Sep 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

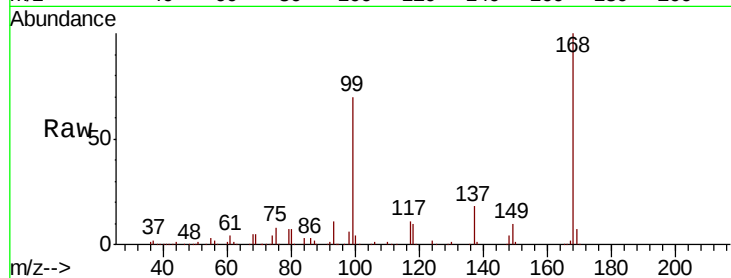
T3-S-C4-(0)RE

Tgt Ion:168 Resp: 153283

Ion Ratio Lower Upper

168 100

99 69.8 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

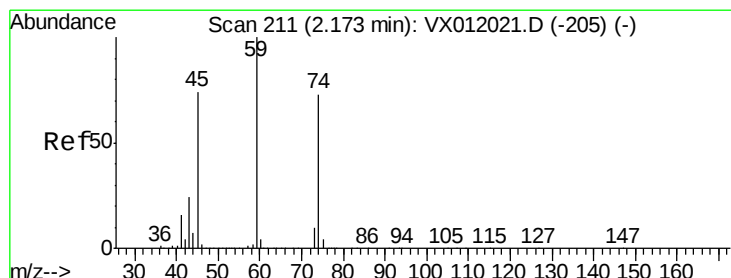
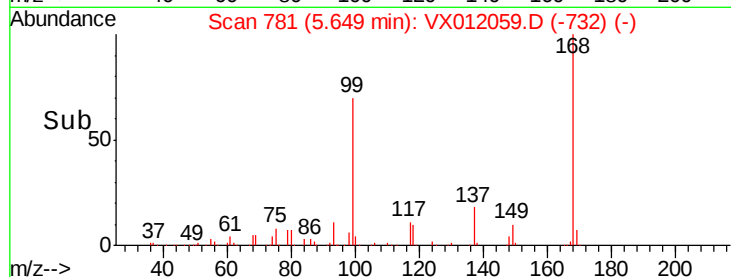
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.822 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012059.D

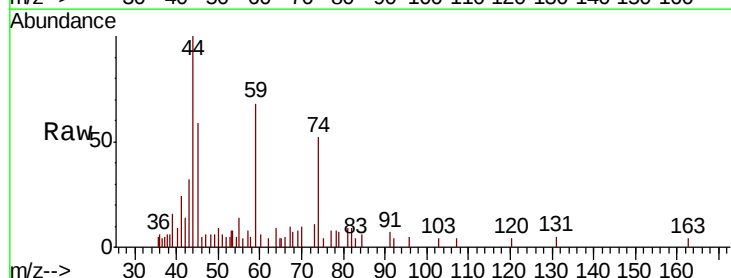
Acq: 04 Sep 2019 18:35

Tgt Ion: 74 Resp: 1332

Ion Ratio Lower Upper

74 100

45 90.5 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1000

800

600

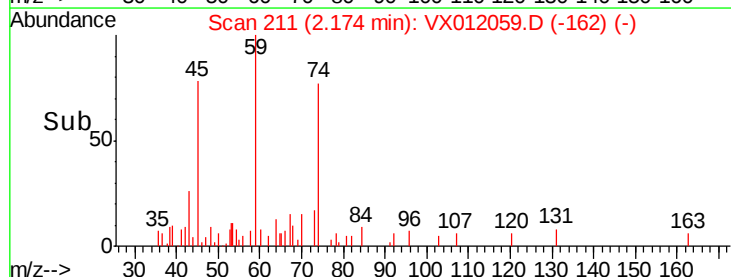
400

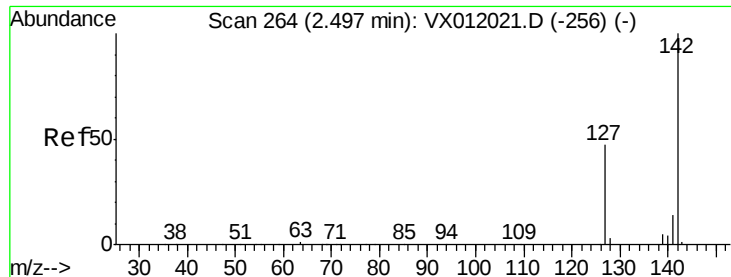
200

0

Time-->

2.10 2.15 2.20 2.25

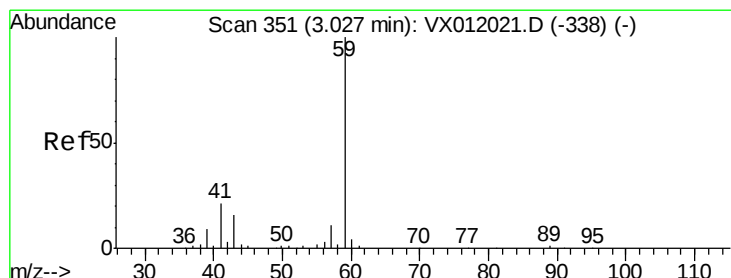
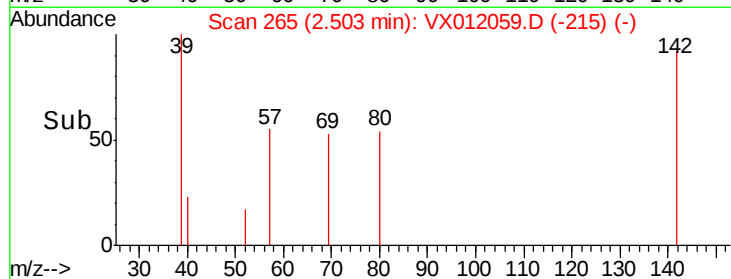
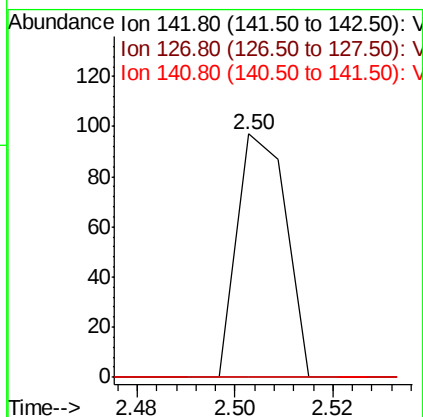
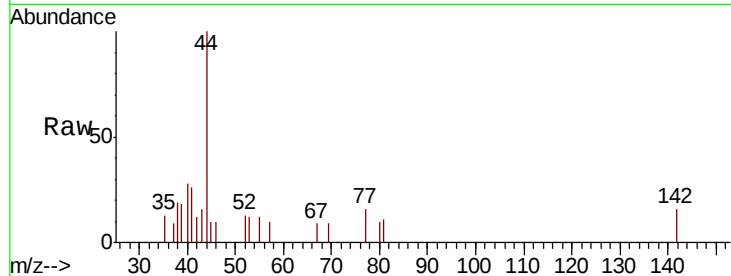




#10
Methyl Iodide
Concen: 7.025 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012059.D
Acq: 04 Sep 2019 18:35

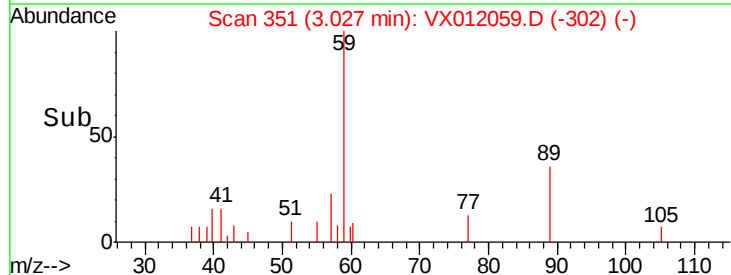
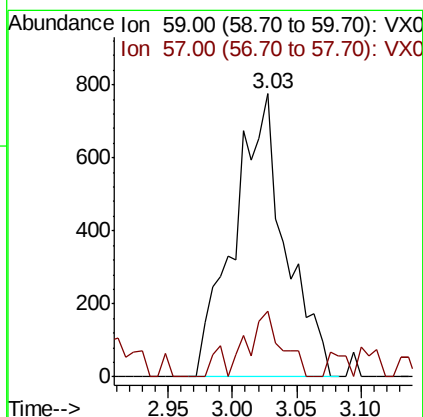
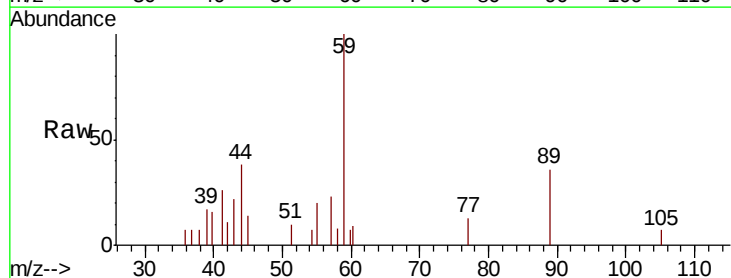
Instrument :
MSVOA_X
ClientSampleId :
T3-S-C4-(0)RE

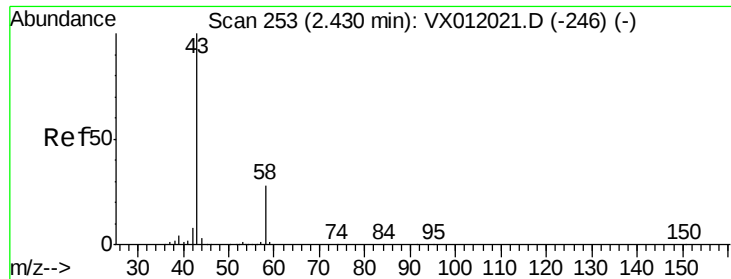
Tgt Ion: 142 Resp: 67
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 10.500 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012059.D
Acq: 04 Sep 2019 18:35

Tgt Ion: 59 Resp: 2133
Ion Ratio Lower Upper
59 100
57 14.9 7.9 11.9#





#16

Acetone

Concen: 7.137 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012059.D

Acq: 04 Sep 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

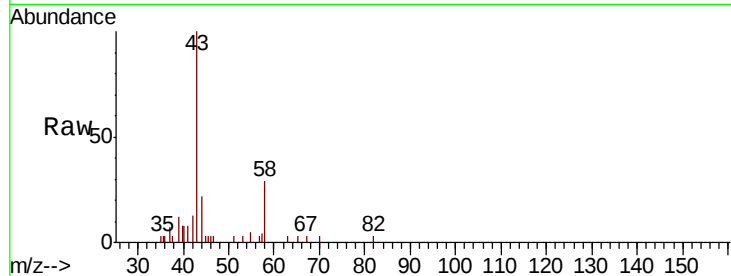
T3-S-C4-(0)RE

Tgt Ion: 43 Resp: 3608

Ion Ratio Lower Upper

43 100

58 30.0 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

2500

2000

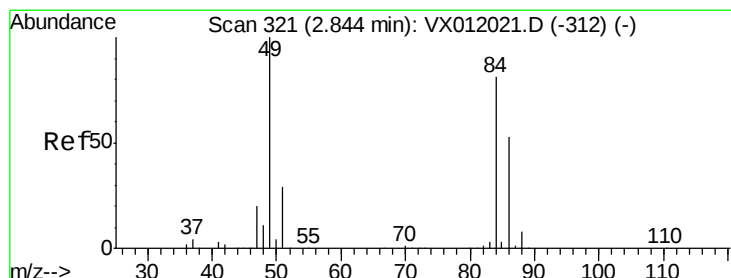
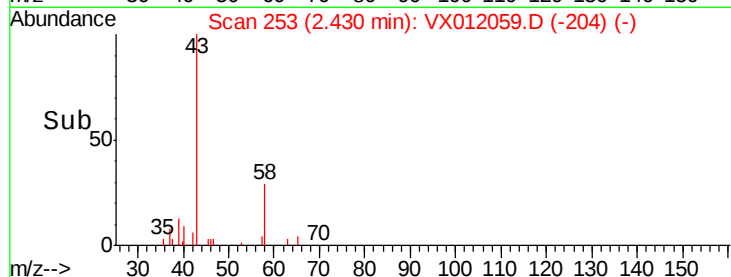
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 3.443 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012059.D

Acq: 04 Sep 2019 18:35

Tgt Ion: 84 Resp: 6989

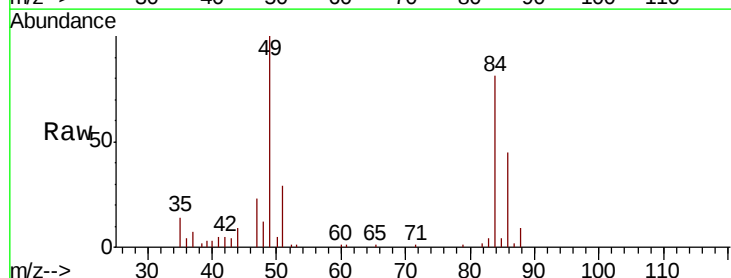
Ion Ratio Lower Upper

84 100

49 121.4 95.8 143.8

51 33.6 28.6 43.0

86 55.4 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

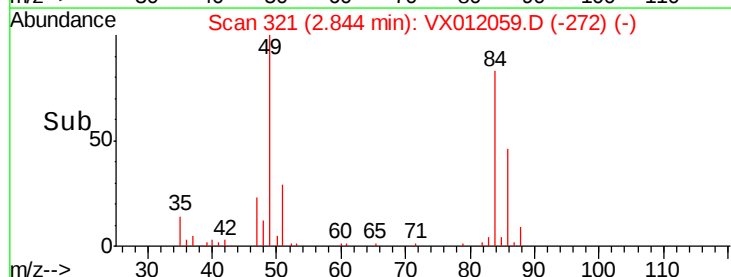
6000

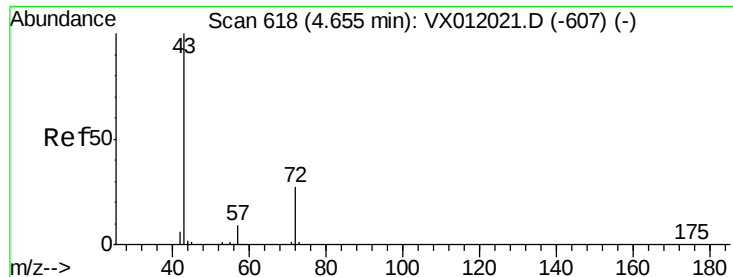
4000

2000

0

Time--> 2.75 2.80 2.85 2.90

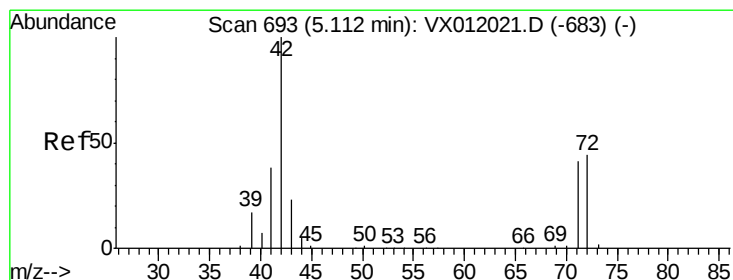
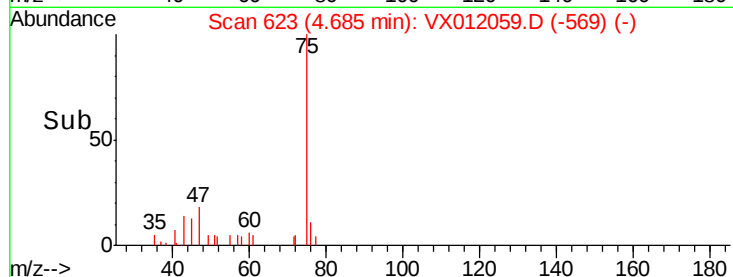
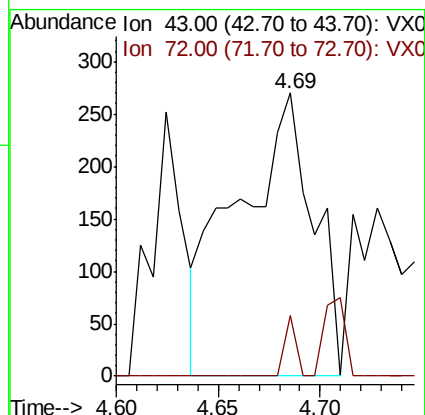
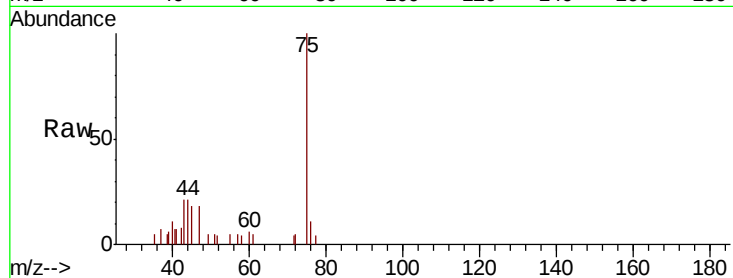




#25
2-Butanone
Concen: 1.094 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.03 min
Lab File: VX012059.D
Acq: 04 Sep 2019 18:35

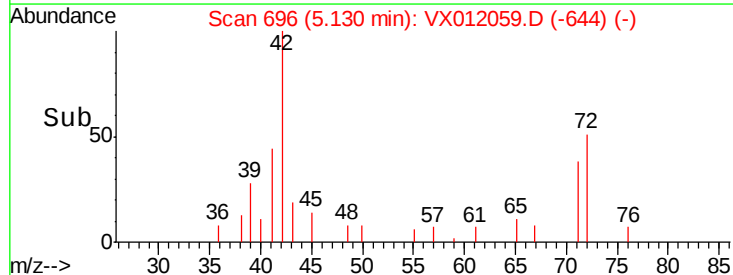
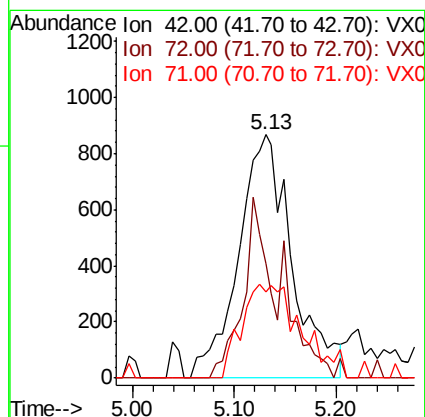
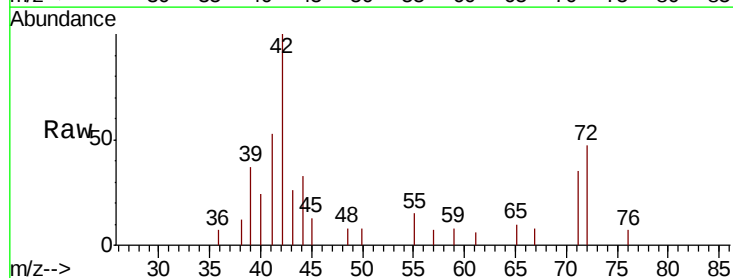
Instrument :
MSVOA_X
ClientSampleId :
T3-S-C4-(0)RE

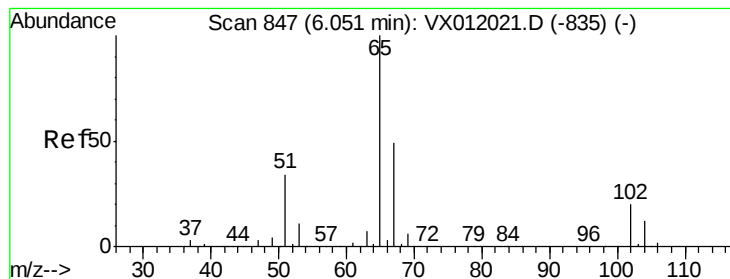
Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
72 21.5 21.3 31.9



#29
Tetrahydrofuran
Concen: 8.168 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012059.D
Acq: 04 Sep 2019 18:35

Tgt Ion: 42 Resp: 3167
Ion Ratio Lower Upper
42 100
72 34.8 37.0 55.4#
71 18.6 33.8 50.8#





#33

1,2-Dichloroethane-d4

Concen: 48.825 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012059.D

Acq: 04 Sep 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

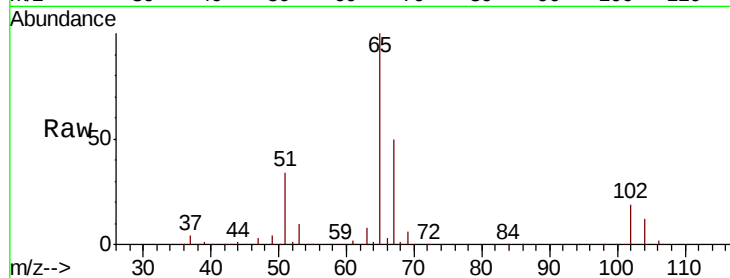
T3-S-C4-(0)RE

Tgt Ion: 65 Resp: 103265

Ion Ratio Lower Upper

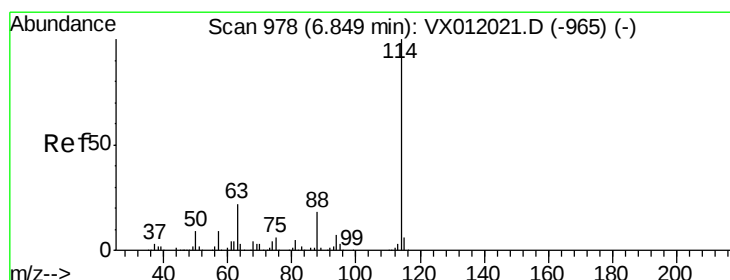
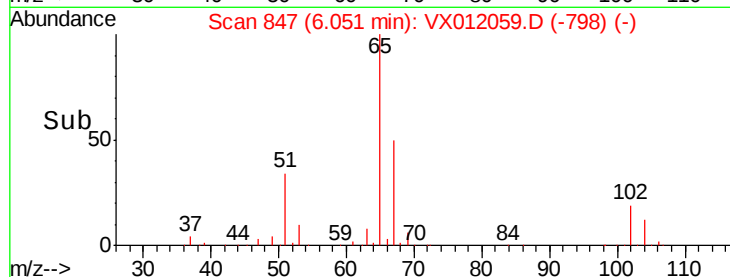
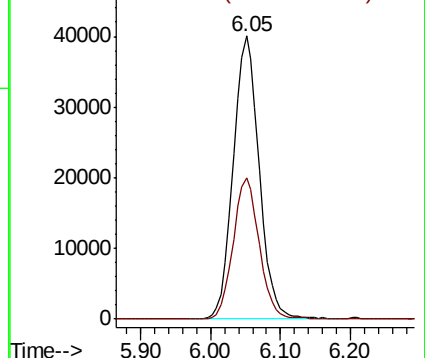
65 100

67 50.0 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012059.D

Acq: 04 Sep 2019 18:35

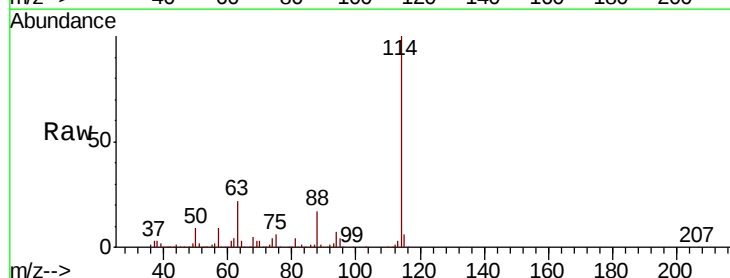
Tgt Ion: 114 Resp: 269473

Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.4

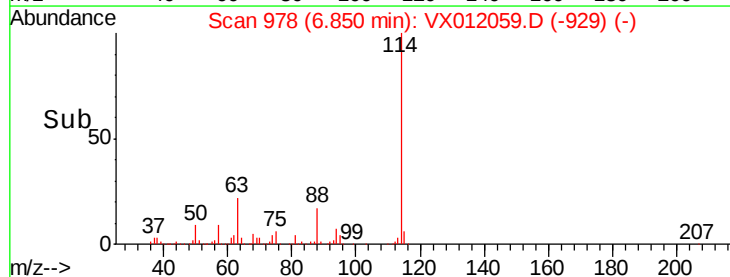
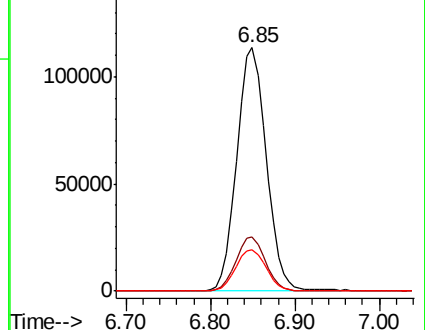
88 17.2 0.0 29.6

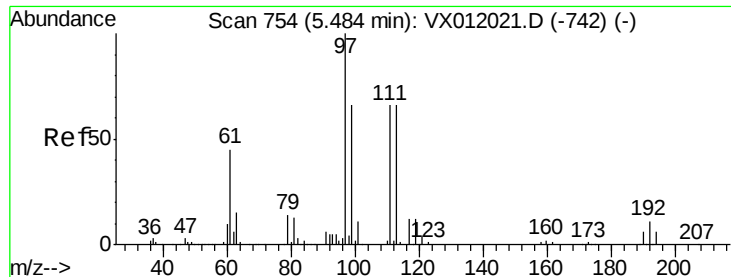


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

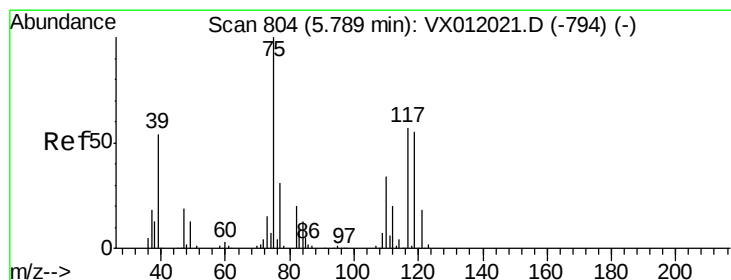
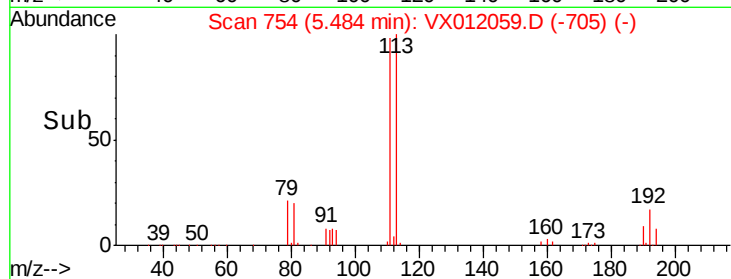
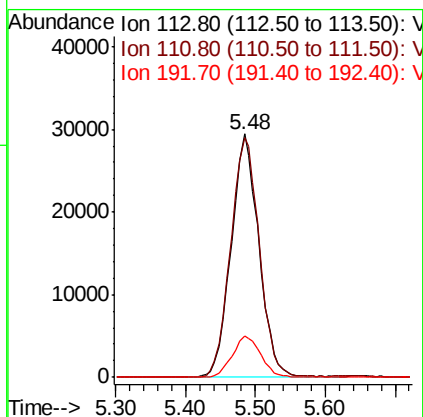
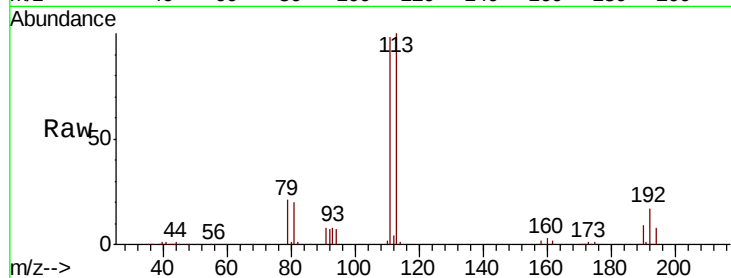




#35
 Dibromofluoromethane
 Concen: 48.752 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012059.D
 Acq: 04 Sep 2019 18:35

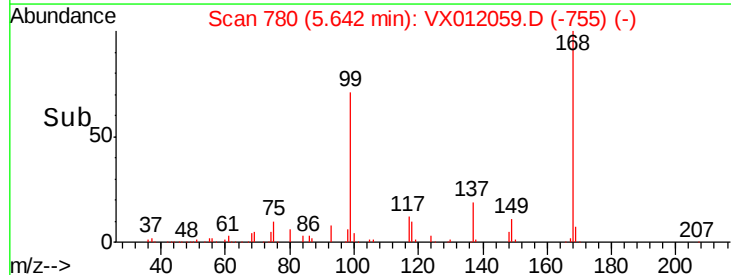
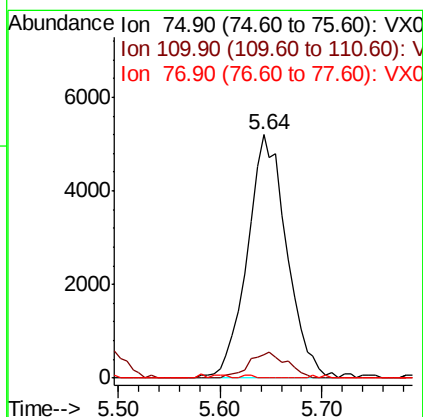
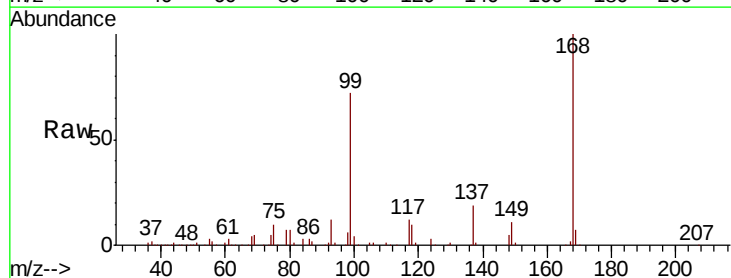
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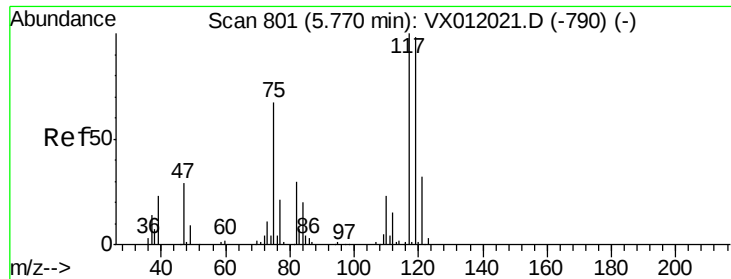
Tgt Ion:113 Resp: 80791
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.7 122.5
 192 17.5 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 5.888 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012059.D
 Acq: 04 Sep 2019 18:35

Tgt Ion: 75 Resp: 13975
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.5 58.5#
 77 0.3 24.6 37.0#

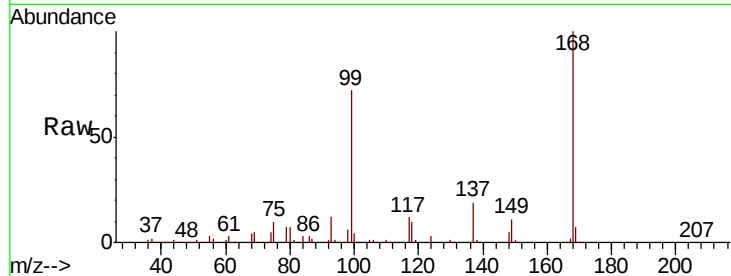




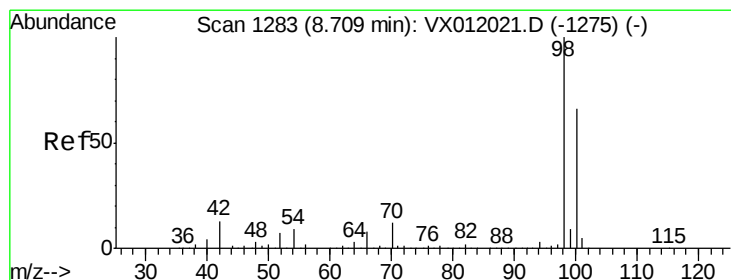
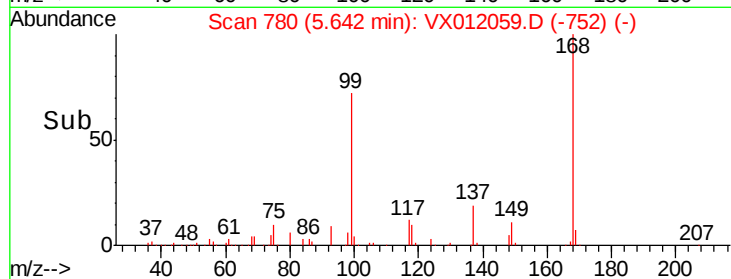
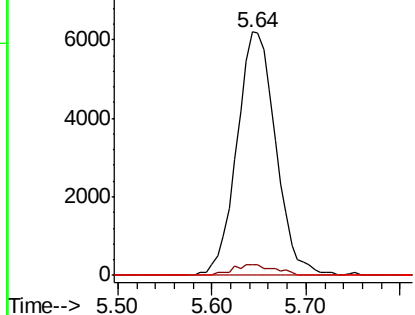
#38
Carbon Tetrachloride
Concen: 7.113 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012059.D
Acq: 04 Sep 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
T3-S-C4-(0)RE

Tgt Ion:117 Resp: 17790
Ion Ratio Lower Upper
117 100
119 4.5 78.3 117.5#
121 0.0 24.2 36.2#

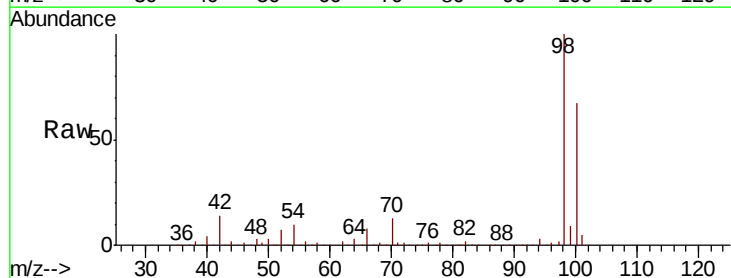


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

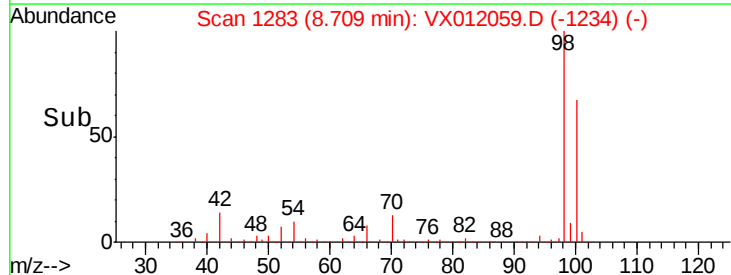
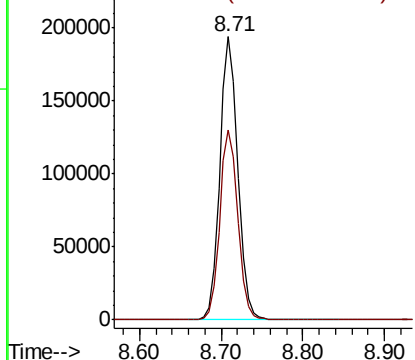


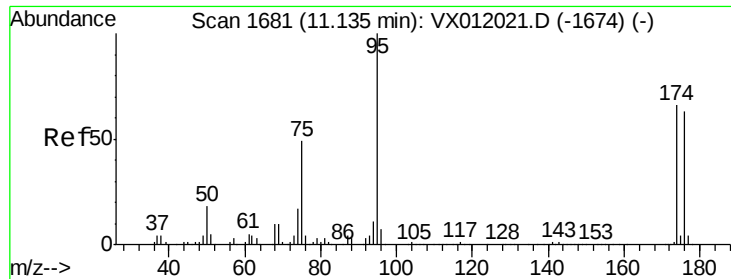
#50
Toluene-d8
Concen: 49.264 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012059.D
Acq: 04 Sep 2019 18:35

Tgt Ion: 98 Resp: 299578
Ion Ratio Lower Upper
98 100
100 67.4 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

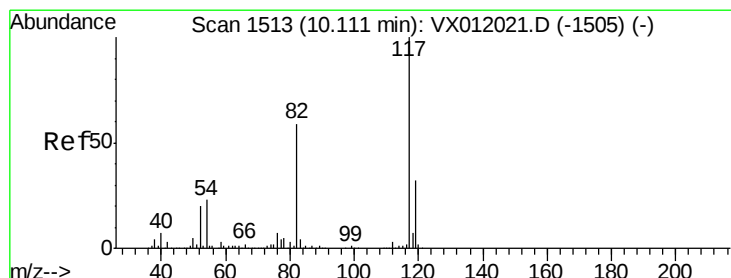
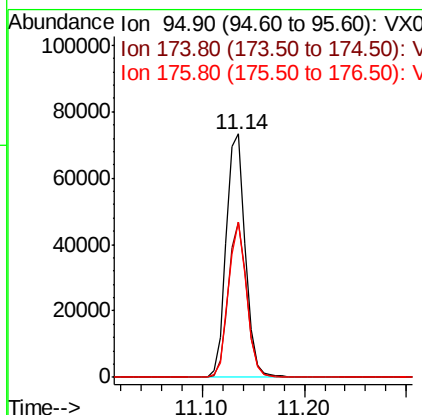
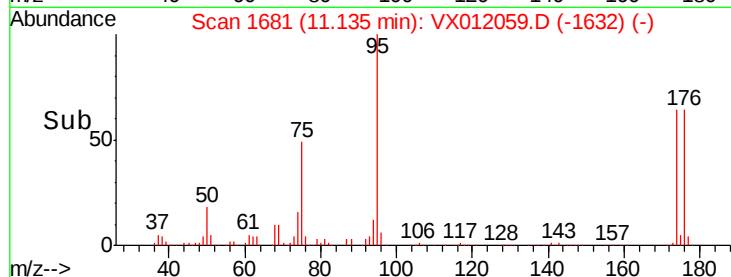
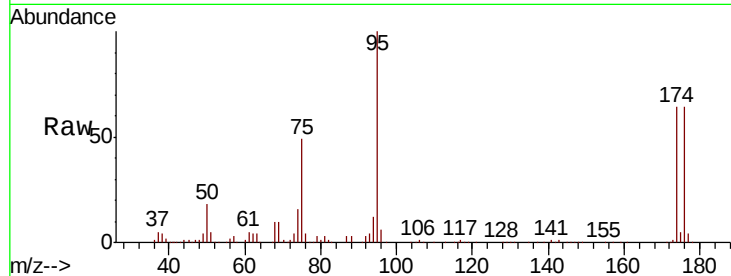




#62
4-Bromofluorobenzene
Concen: 33.611 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012059.D
Acq: 04 Sep 2019 18:35

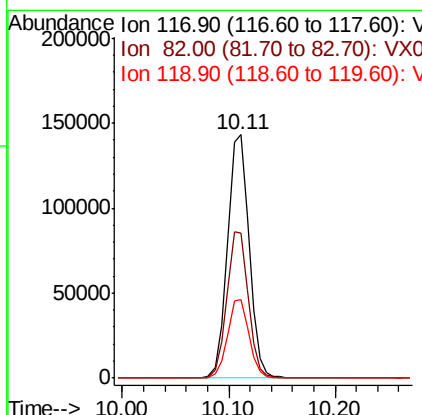
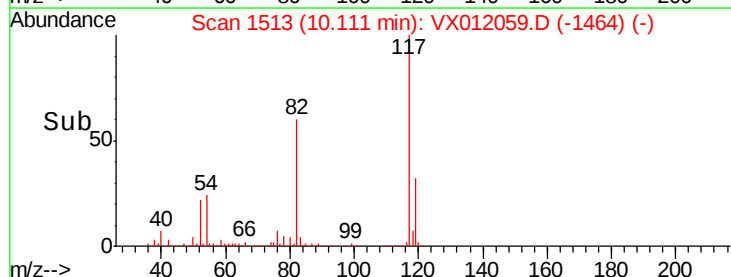
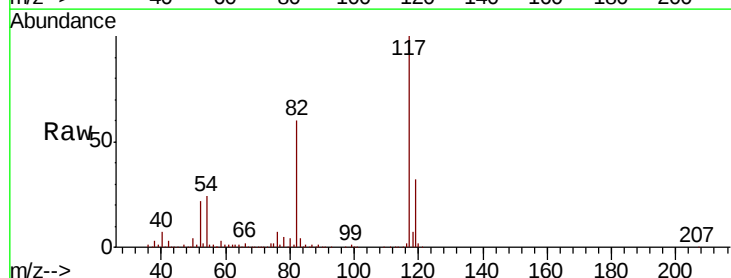
Instrument :
MSVOA_X
ClientSampleId :
T3-S-C4-(0)RE

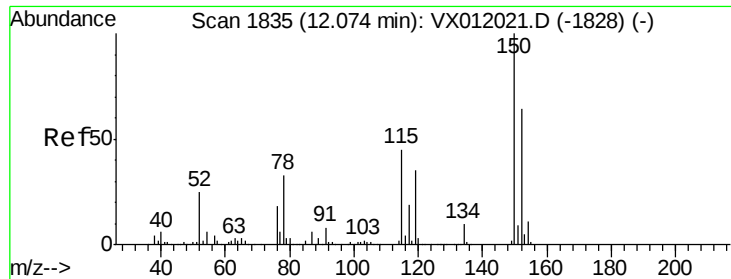
Tgt Ion: 95 Resp: 95053
Ion Ratio Lower Upper
95 100
174 61.1 0.0 205.4
176 60.1 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012059.D
Acq: 04 Sep 2019 18:35

Tgt Ion: 117 Resp: 204667
Ion Ratio Lower Upper
117 100
82 59.5 39.4 59.0#
119 32.3 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: VX012059.D

Acq: 04 Sep 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

T3-S-C4-(0)RE

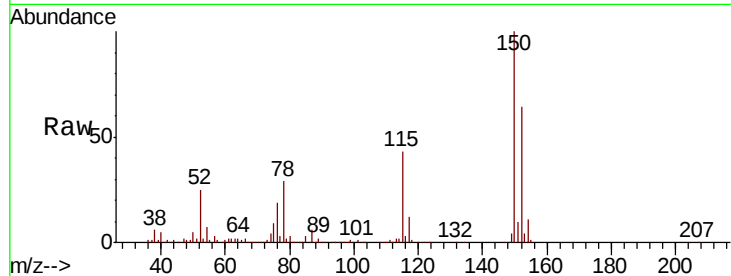
Tgt Ion:152 Resp: 56108

Ion Ratio Lower Upper

152 100

115 63.8 36.4 109.3

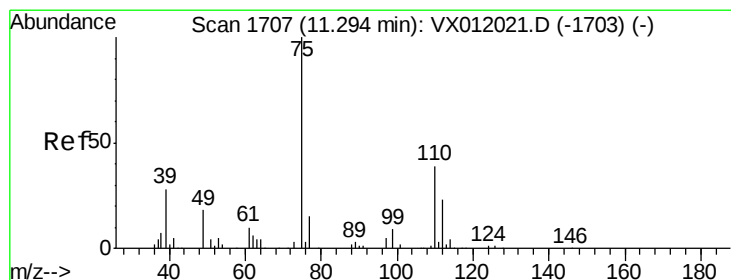
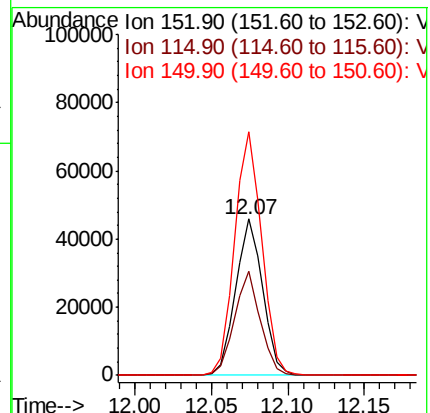
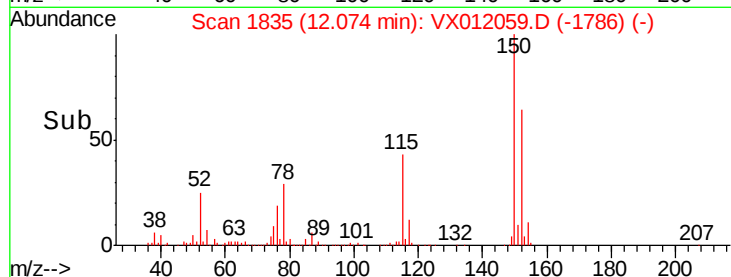
150 156.3 0.0 341.2



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: 70.256 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012059.D

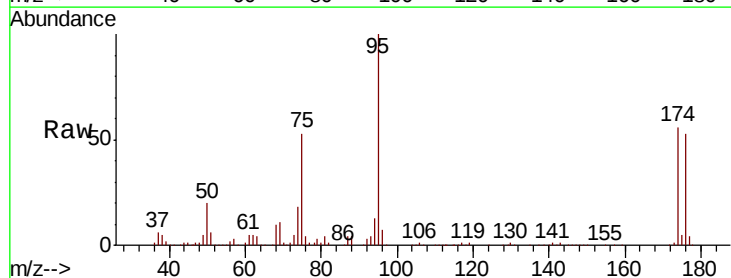
Acq: 04 Sep 2019 18:35

Tgt Ion: 75 Resp: 48164

Ion Ratio Lower Upper

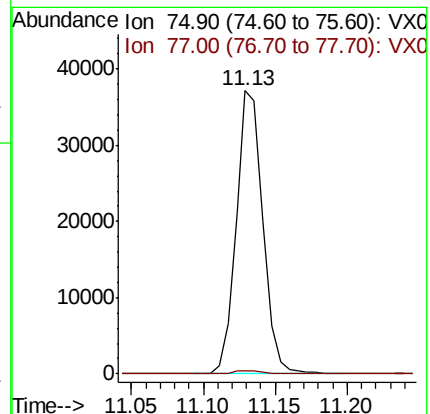
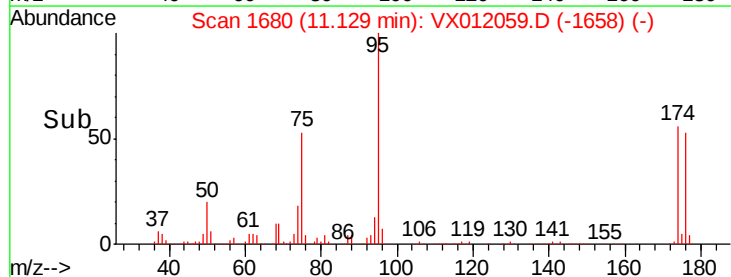
75 100

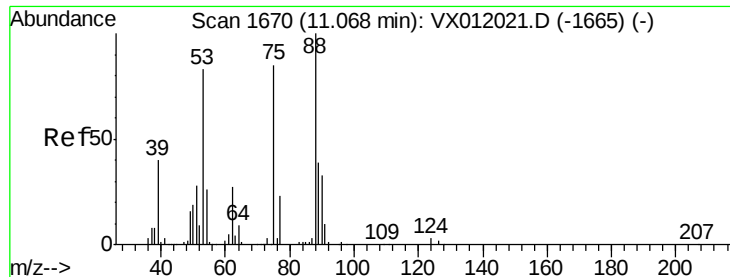
77 1.2 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

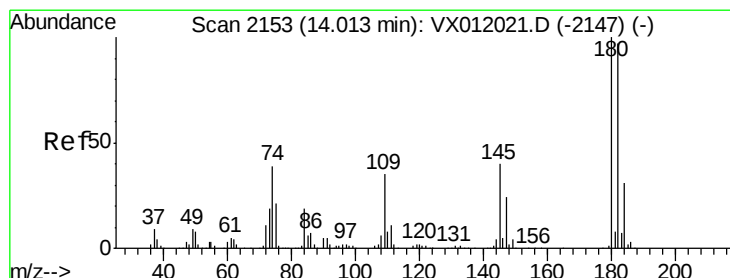
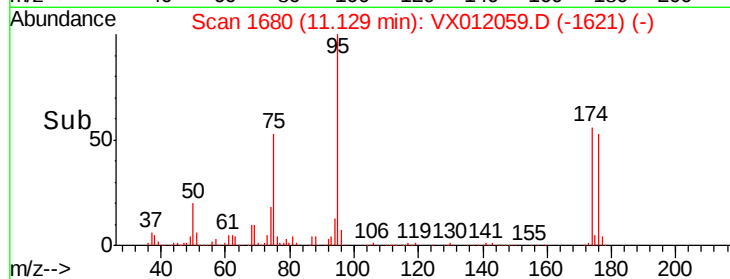
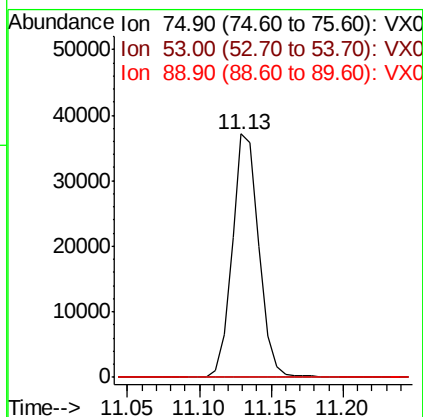
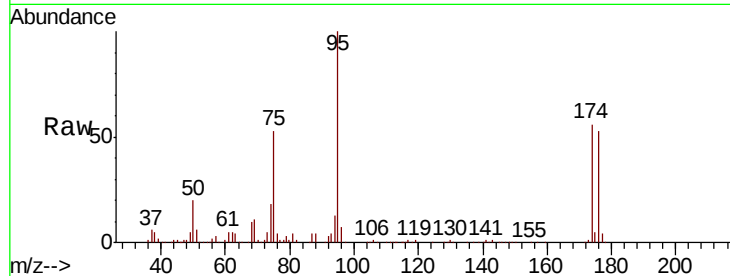




#81
trans-1,4-Dichloro-2-butene
Concen: 166.095 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX012059.D
Acq: 04 Sep 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
T3-S-C4-(0)RE

Tgt Ion: 75 Resp: 48164
Ion Ratio Lower Upper
75 100
53 0.2 78.6 117.8#
89 0.1 38.8 58.2#



#96
1,2,3-Trichlorobenzene
Concen: 18.856 ug/l
RT: 14.03 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VX012059.D
Acq: 04 Sep 2019 18:35

Tgt Ion: 180 Resp: 19619
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 13.4 14.1 42.4#

