

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
 Data File : VX012033.D
 Acq On : 03 Sep 2019 20:22
 Operator : SY/SP
 Sample : K4546-02
 Misc : 5.43g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C1-(2.5)

Quant Time: Sep 04 04:05:01 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	161775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288410	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	250846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106359	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	107521	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
35) Dibromofluoromethane	5.48	113	84647	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	8.71	98	339056	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	11.13	95	132440	43.76	ug/l	0.00
Spiked Amount			Recovery	=	87.52%	

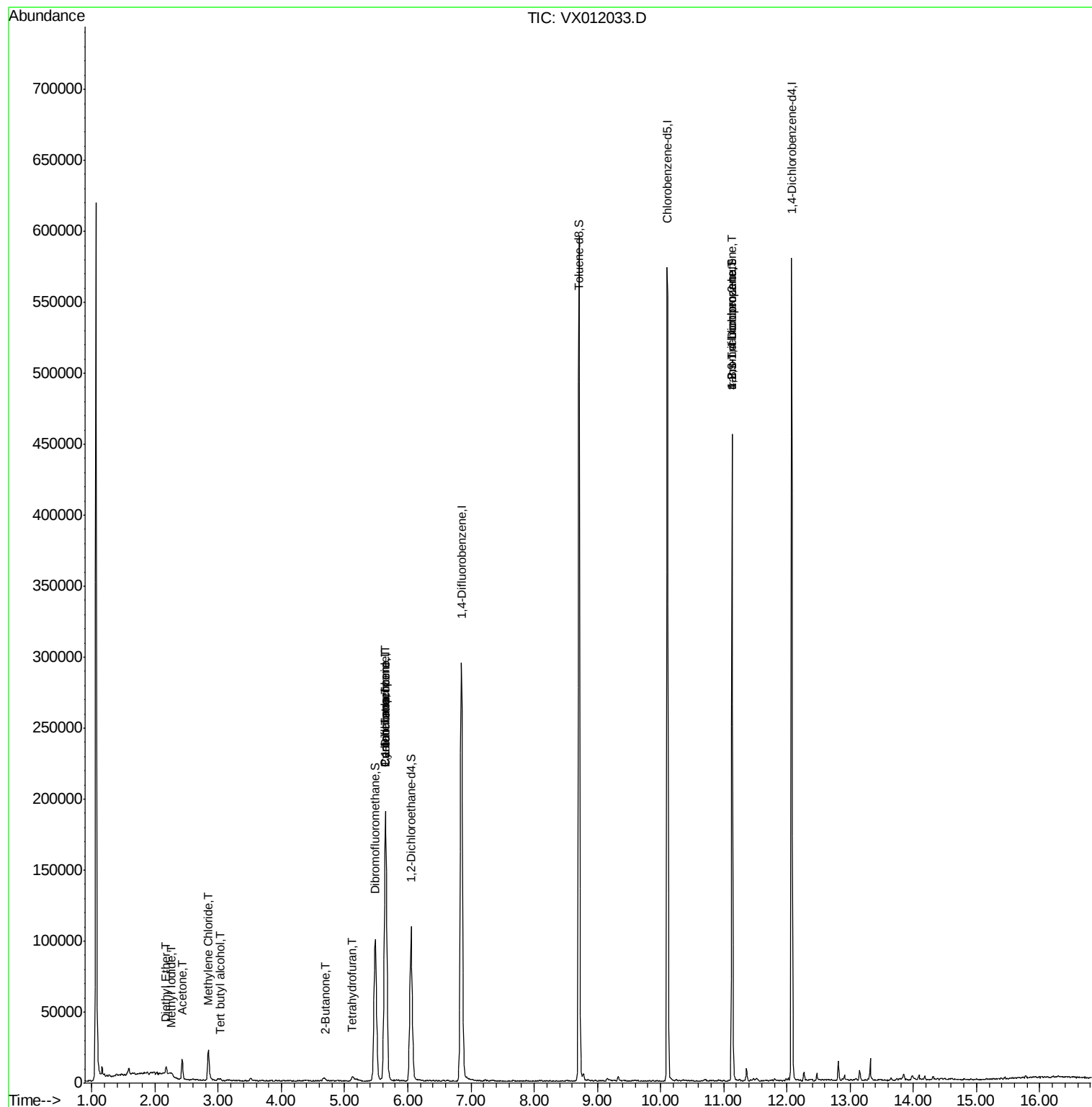
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1326	1.719	ug/l	93
10) Methyl Iodide	2.26	142	41	7.009	ug/l #	40
11) Tert butyl alcohol	3.03	59	1406	6.558	ug/l #	88
13) Acrolein	2.28	56	229	Below Cal		85
16) Acetone	2.43	43	15326	28.725	ug/l	94
20) Methylene Chloride	2.84	84	10195	4.758	ug/l	97
25) 2-Butanone	4.70	43	1205	1.774	ug/l #	48
29) Tetrahydrofuran	5.12	42	2783	6.801	ug/l #	90
31) Cyclohexane	5.65	56	4357	1.592	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15085	5.939	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18605	6.951	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	68716	52.877	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	68716	125.009	ug/l #	10

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

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Quant Time: Sep 04 04:05:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
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: VX012033.D

Acq: 03 Sep 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

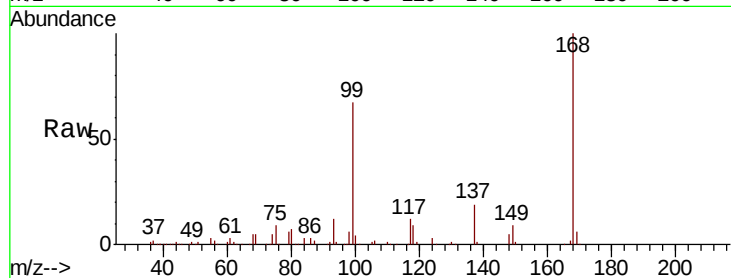
T3-S-C1-(2.5)

Tgt Ion:168 Resp: 161775

Ion Ratio Lower Upper

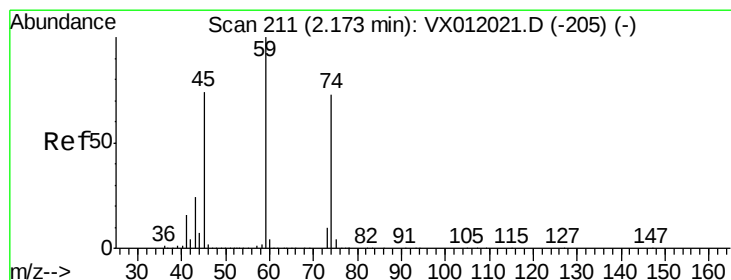
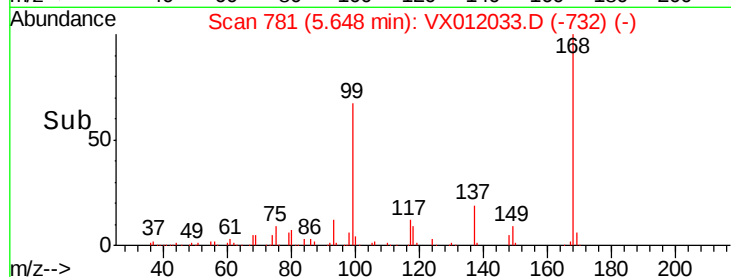
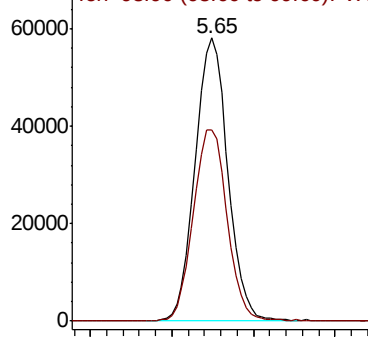
168 100

99 67.5 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: 1.719 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012033.D

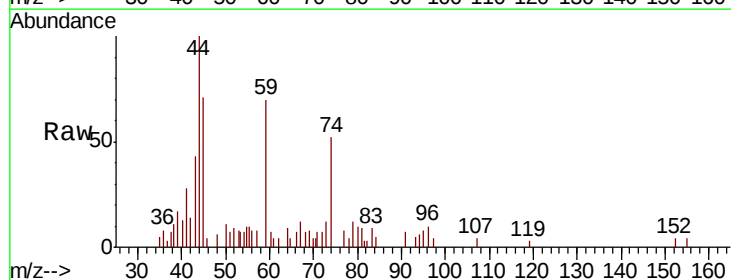
Acq: 03 Sep 2019 20:22

Tgt Ion: 74 Resp: 1326

Ion Ratio Lower Upper

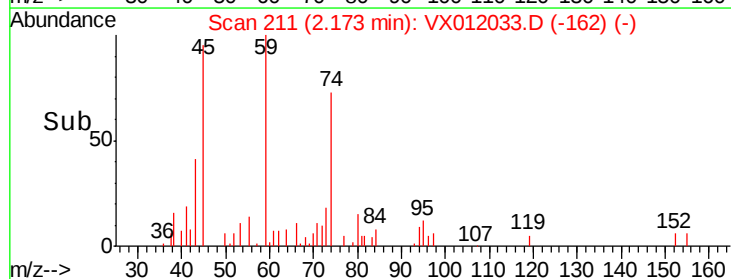
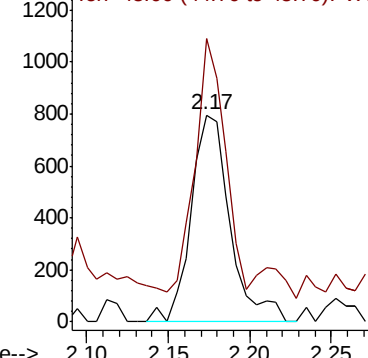
74 100

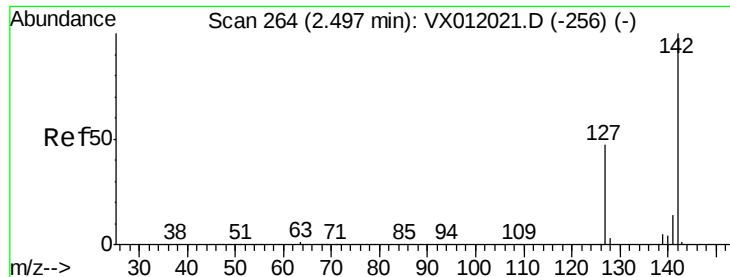
45 98.0 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

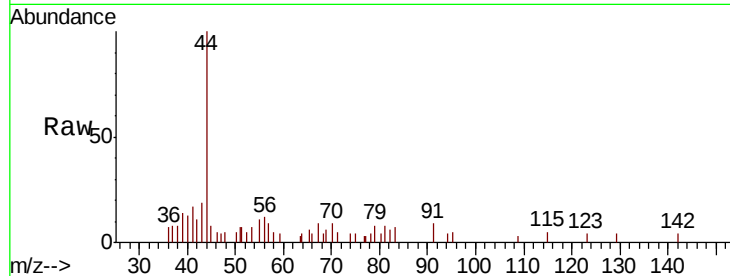




#10
Methyl Iodide
Concen: 7.009 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.23 min
Lab File: VX012033.D
Acq: 03 Sep 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
T3-S-C1-(2.5)

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

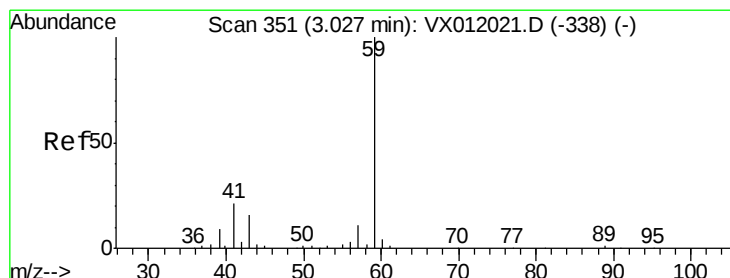
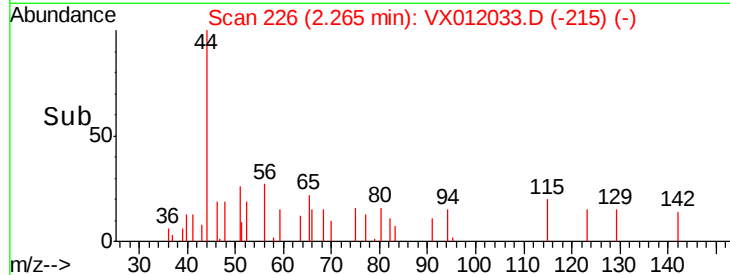
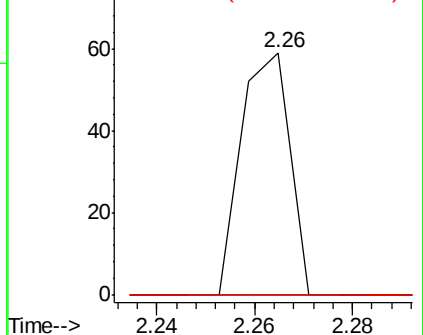


Abundance

Ion 141.80 (141.50 to 142.50): V

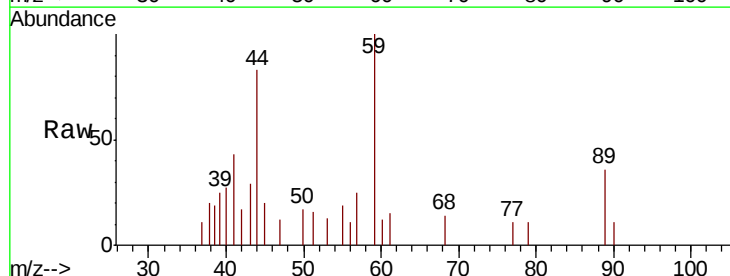
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11
Tert butyl alcohol
Concen: 6.558 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012033.D
Acq: 03 Sep 2019 20:22

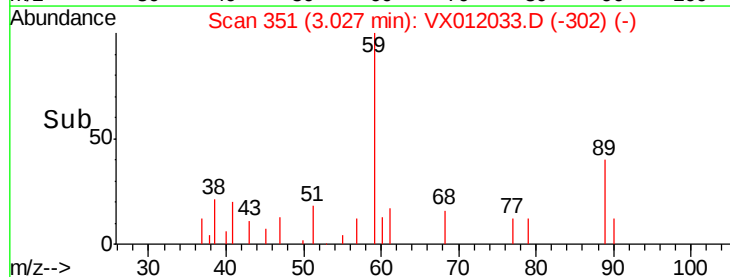
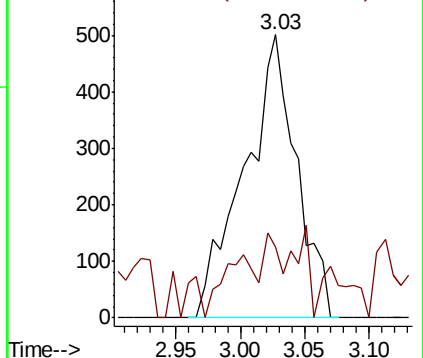
Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.5	7.9	11.9#

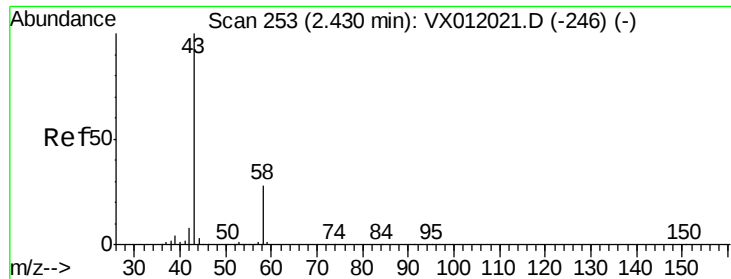


Abundance

Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 28.725 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012033.D

Acq: 03 Sep 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

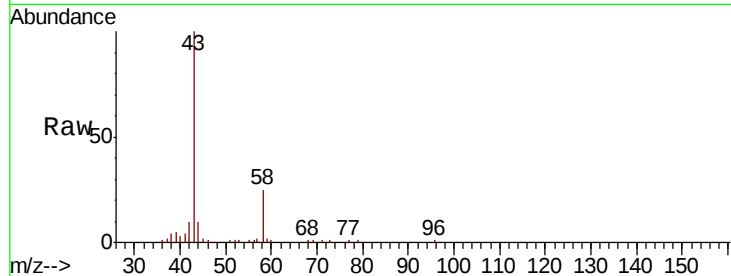
T3-S-C1-(2.5)

Tgt Ion: 43 Resp: 15326

Ion Ratio Lower Upper

43 100

58 25.1 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

10000

8000

6000

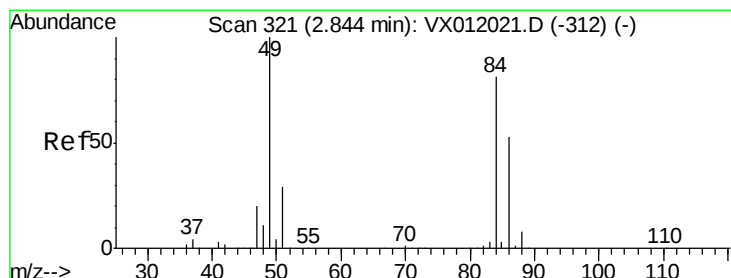
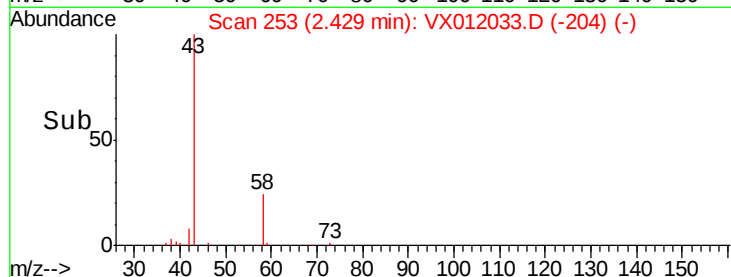
4000

2000

0

Time-->

2.40 2.50



#20

Methylene Chloride

Concen: 4.758 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012033.D

Acq: 03 Sep 2019 20:22

Tgt Ion: 84 Resp: 10195

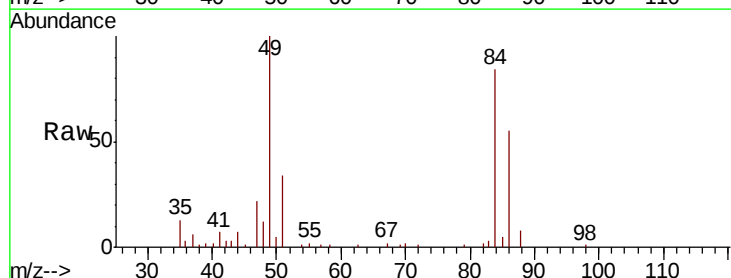
Ion Ratio Lower Upper

84 100

49 117.4 95.8 143.8

51 40.3 28.6 43.0

86 64.9 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

8000

6000

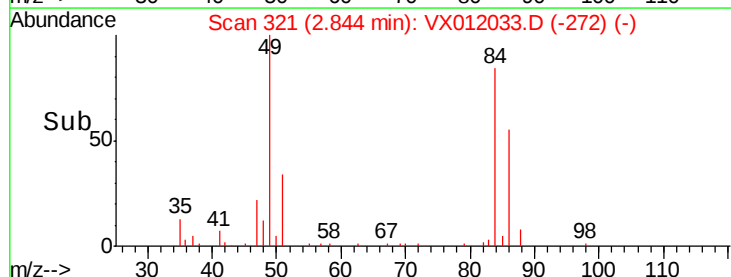
4000

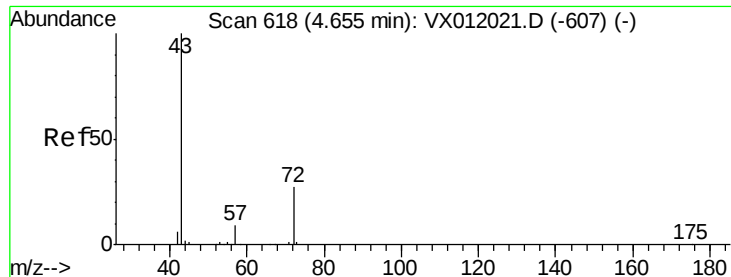
2000

0

Time-->

2.75 2.80 2.85 2.90 2.95





#25

2-Butanone

Concen: 1.774 ug/l

RT: 4.70 min Scan# 625

Delta R.T. 0.04 min

Lab File: VX012033.D

Acq: 03 Sep 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

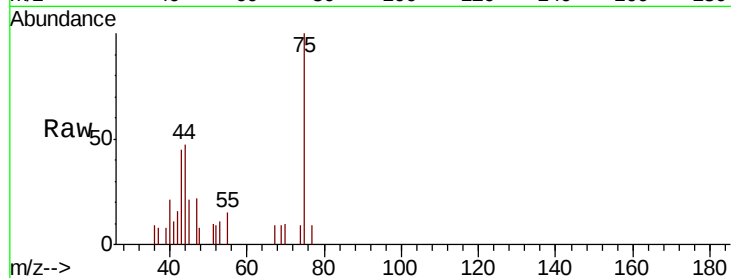
T3-S-C1-(2.5)

Tgt Ion: 43 Resp: 1205

Ion Ratio Lower Upper

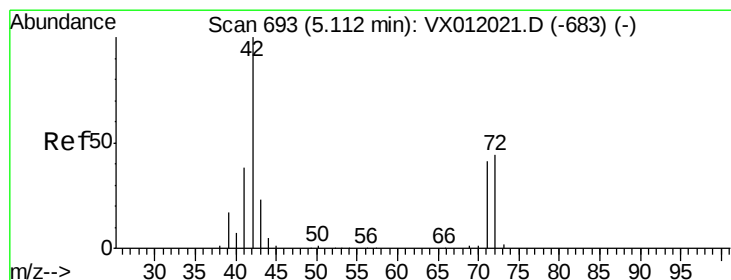
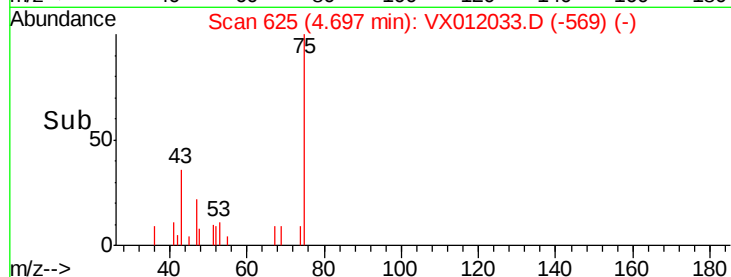
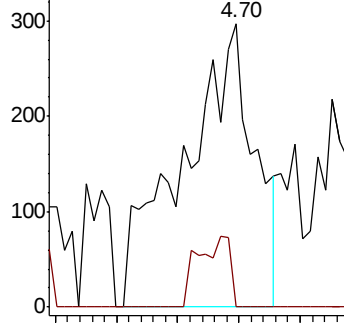
43 100

72 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 6.801 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012033.D

Acq: 03 Sep 2019 20:22

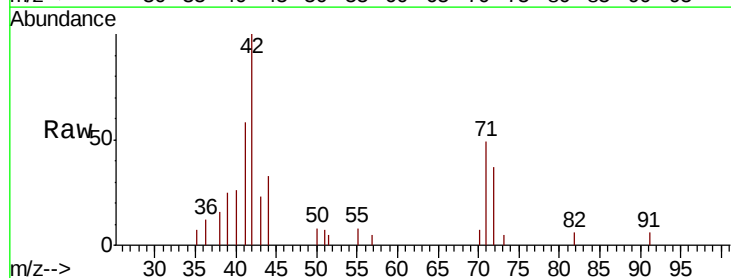
Tgt Ion: 42 Resp: 2783

Ion Ratio Lower Upper

42 100

72 42.2 37.0 55.4

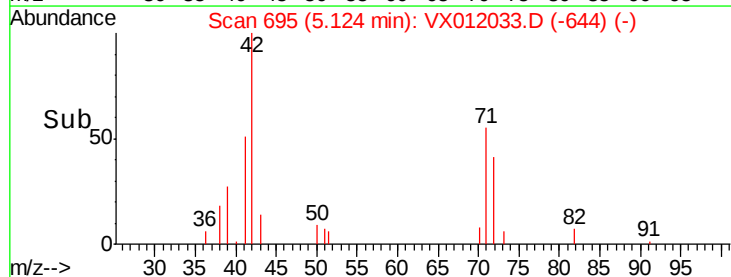
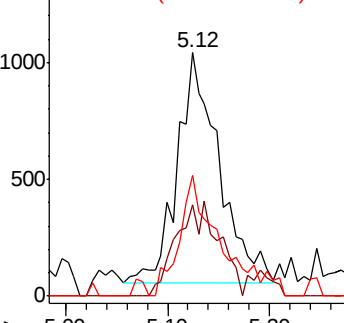
71 52.0 33.8 50.8#

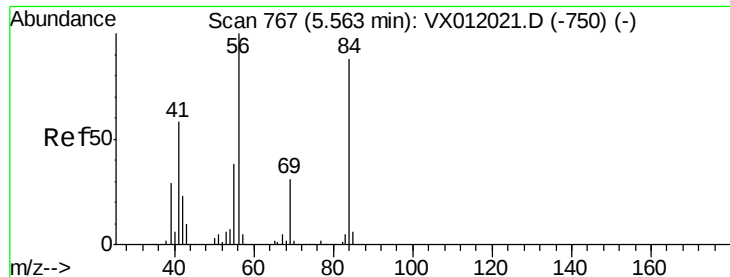


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

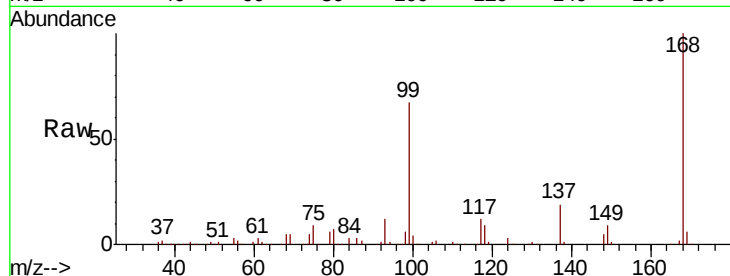




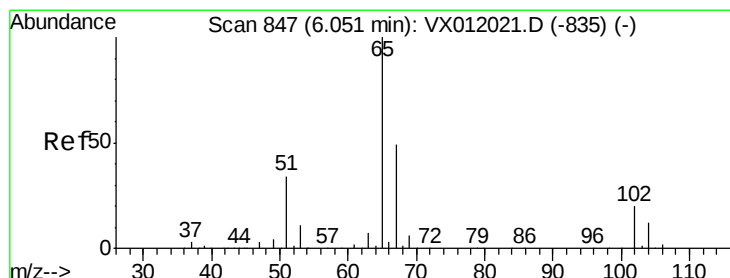
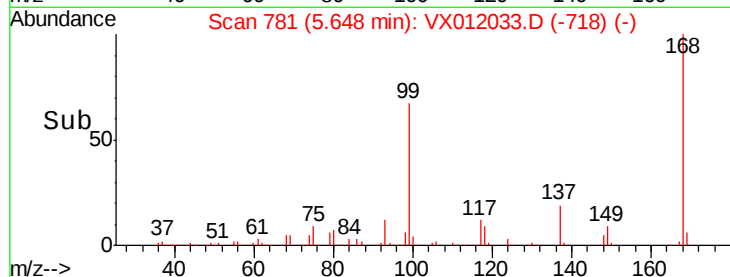
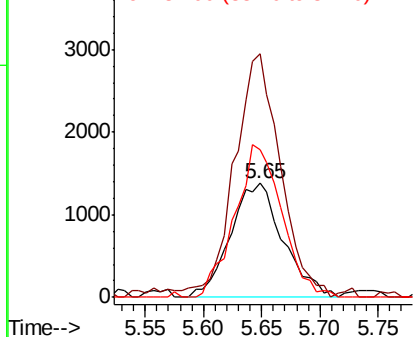
#31
Cyclohexane
Concen: 1.592 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX012033.D
Acq: 03 Sep 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
T3-S-C1-(2.5)

Tgt Ion: 56 Resp: 4357
Ion Ratio Lower Upper
56 100
69 209.3 25.7 38.5#
84 129.6 70.3 105.5#

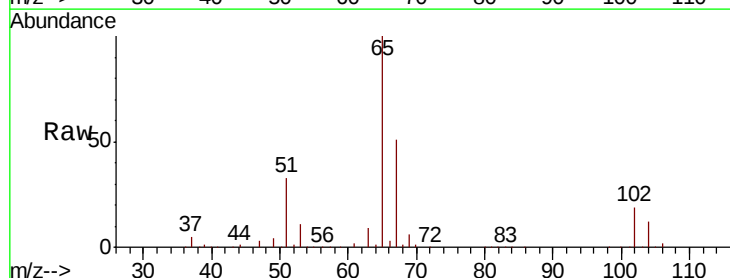


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

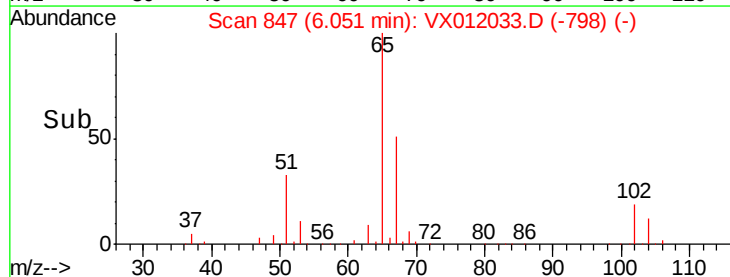
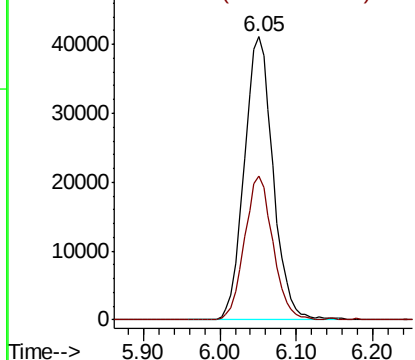


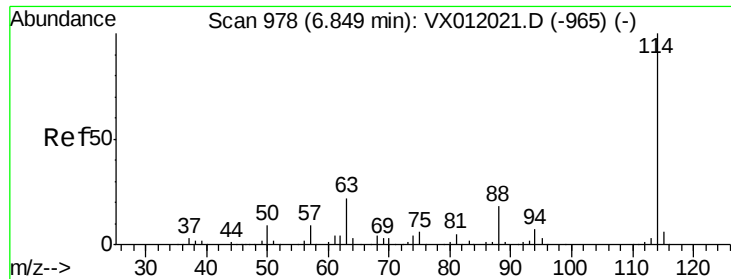
#33
1,2-Dichloroethane-d4
Concen: 48.169 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012033.D
Acq: 03 Sep 2019 20:22

Tgt Ion: 65 Resp: 107521
Ion Ratio Lower Upper
65 100
67 50.1 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

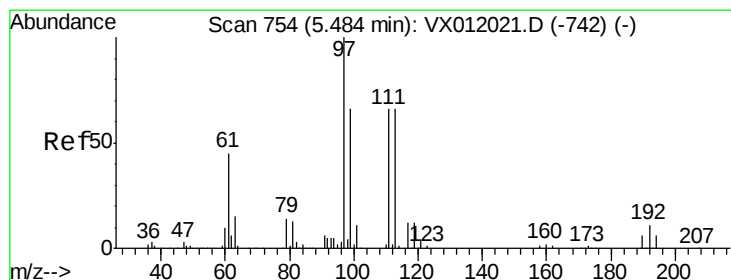
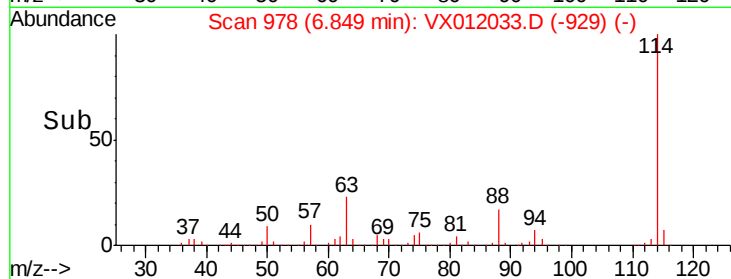
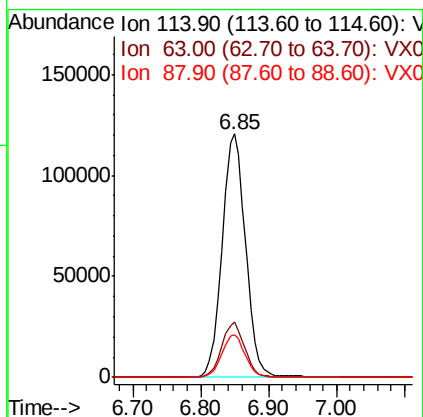
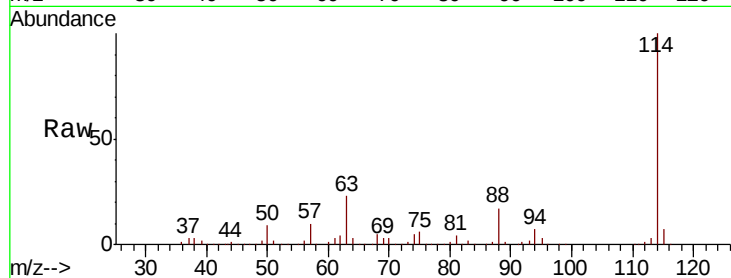




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012033.D
 Acq: 03 Sep 2019 20:22

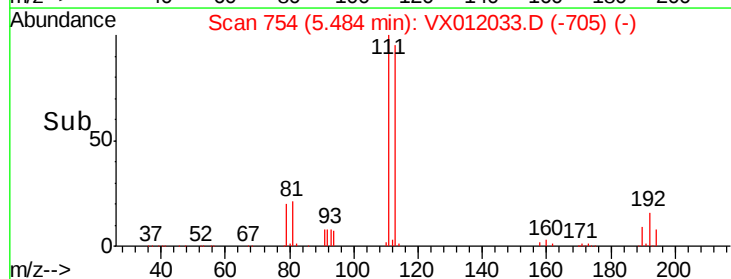
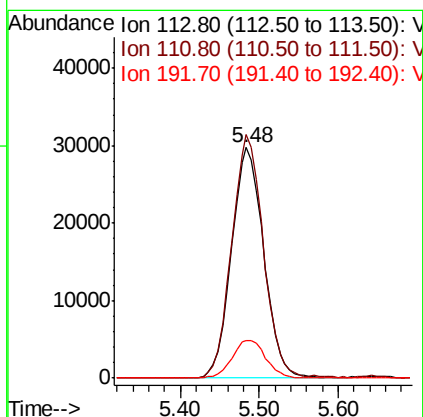
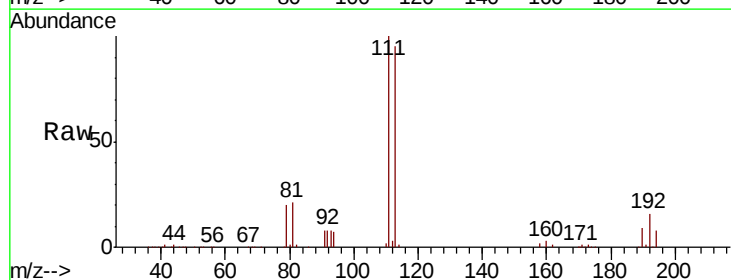
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C1-(2.5)

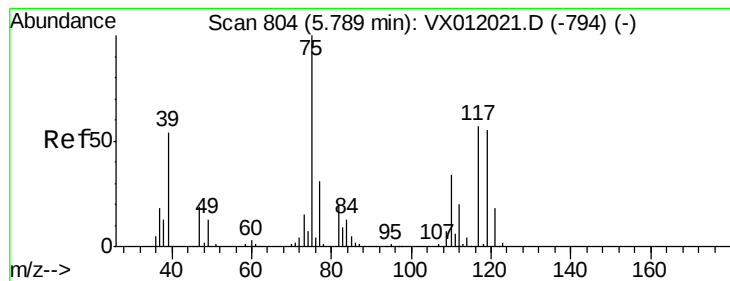
Tgt Ion:114 Resp: 288410
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 37.4
 88 17.5 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 47.725 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012033.D
 Acq: 03 Sep 2019 20:22

Tgt Ion:113 Resp: 84647
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.7 122.5
 192 17.0 22.5 33.7#





#36

1,1-Dichloropropene

Concen: 5.939 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012033.D

Acq: 03 Sep 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

T3-S-C1-(2.5)

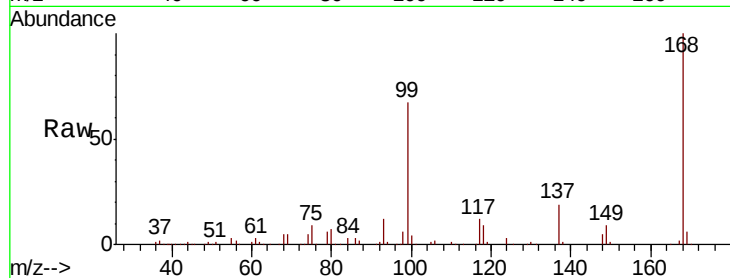
Tgt Ion: 75 Resp: 15085

Ion Ratio Lower Upper

75 100

110 10.6 19.5 58.5#

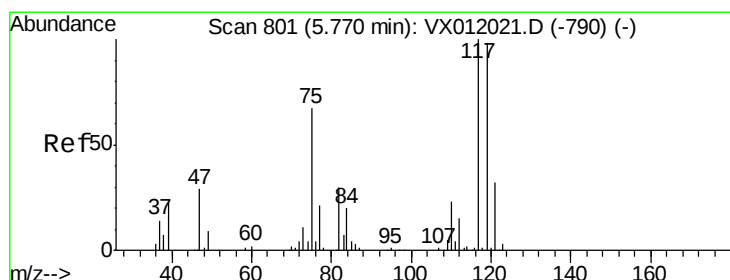
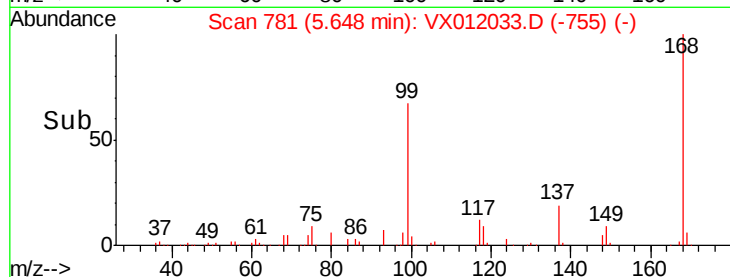
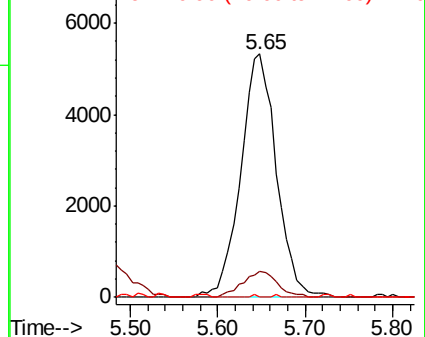
77 0.1 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.951 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012033.D

Acq: 03 Sep 2019 20:22

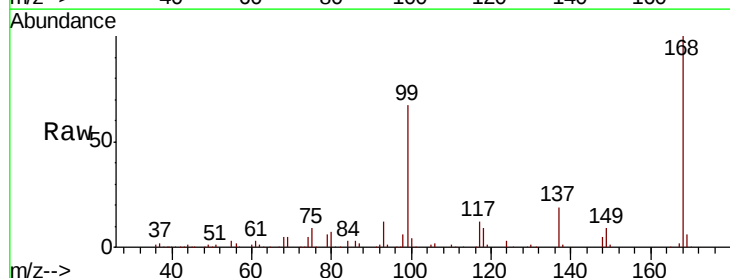
Tgt Ion: 117 Resp: 18605

Ion Ratio Lower Upper

117 100

119 4.3 78.3 117.5#

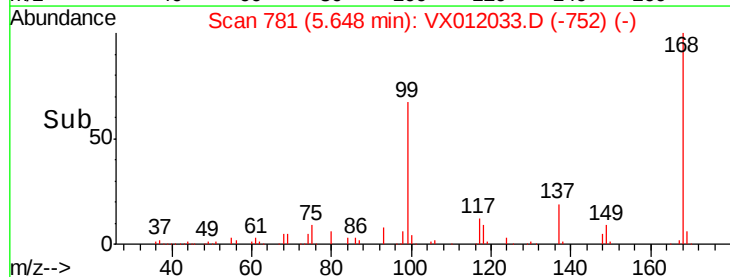
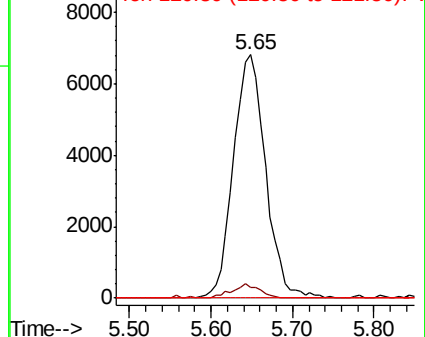
121 0.0 24.2 36.2#

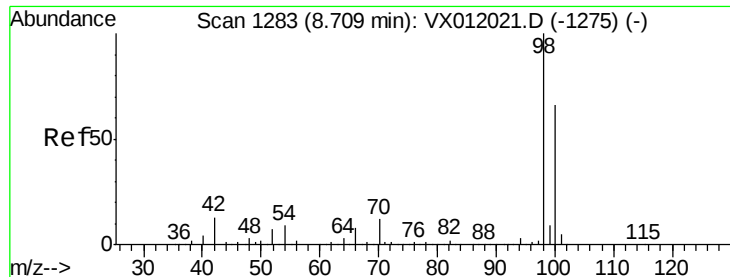


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.095 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012033.D

Acq: 03 Sep 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

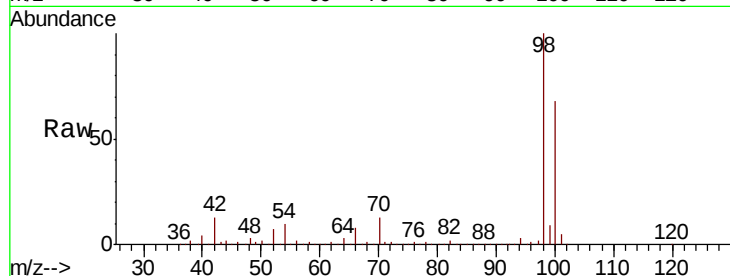
T3-S-C1-(2.5)

Tgt Ion: 98 Resp: 339056

Ion Ratio Lower Upper

98 100

100 66.4 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX012021.D (-1275) (-)

Ion 100.00 (99.70 to 100.70): VX012033.D (-1234) (-)

8.71

250000

200000

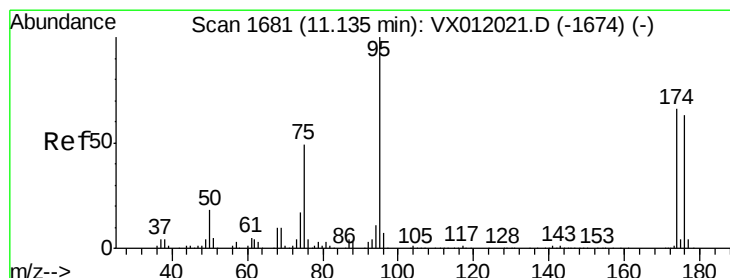
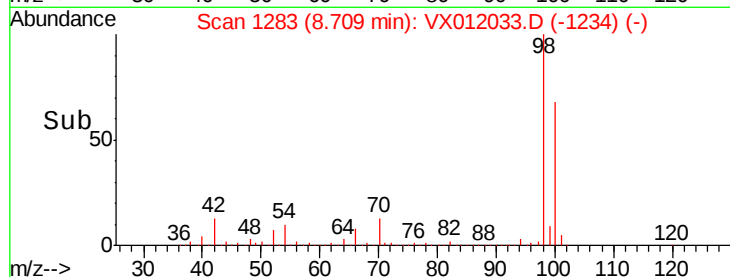
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.756 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012033.D

Acq: 03 Sep 2019 20:22

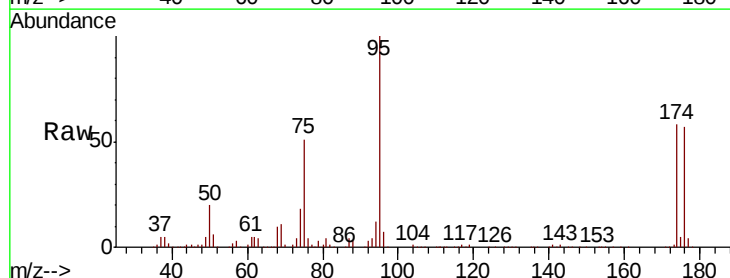
Tgt Ion: 95 Resp: 132440

Ion Ratio Lower Upper

95 100

174 63.2 0.0 205.4

176 61.2 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012021.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012033.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012033.D (-1632) (-)

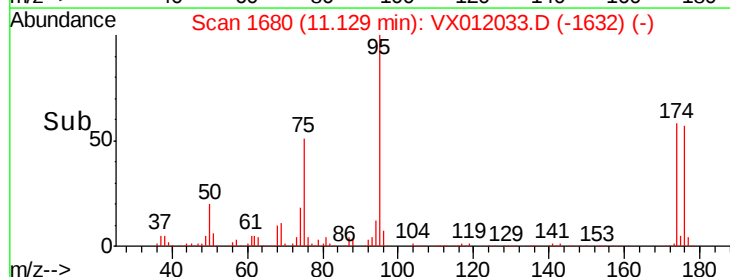
11.13

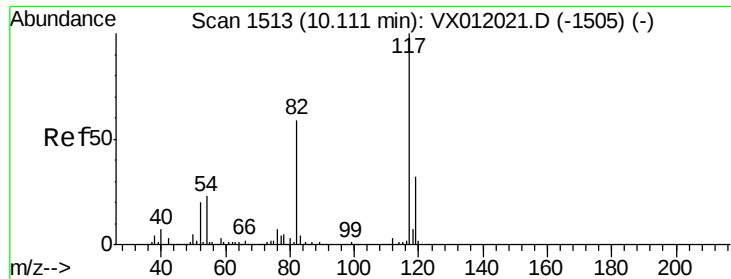
100000

50000

0

Time-->

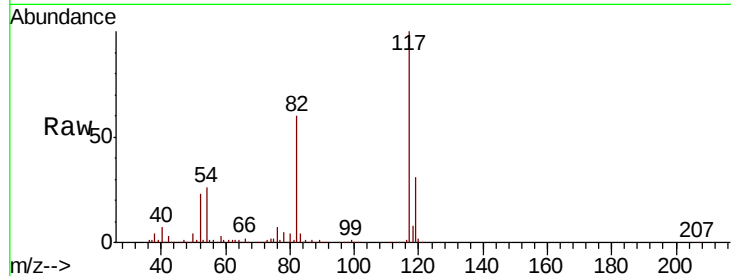




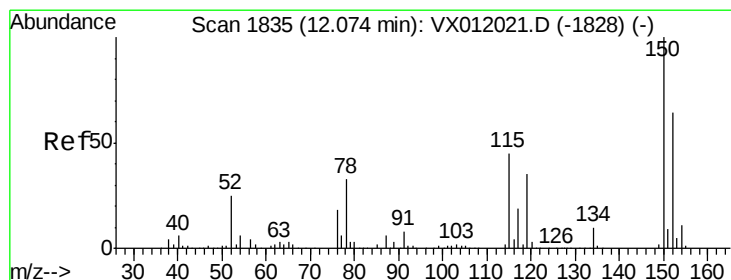
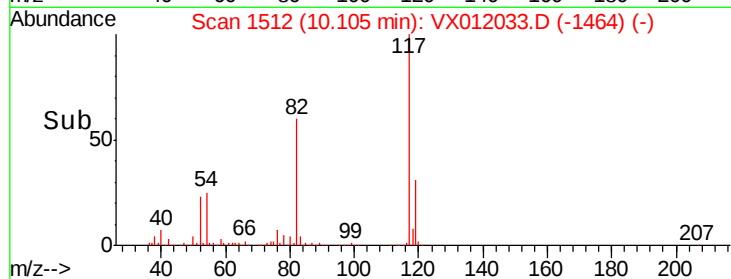
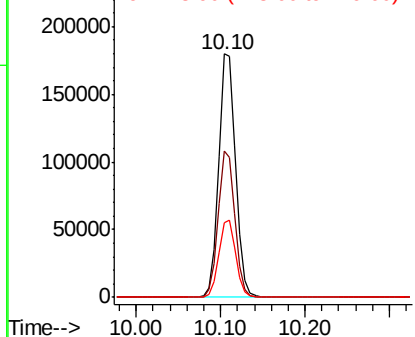
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012033.D
Acq: 03 Sep 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
T3-S-C1-(2.5)

Tgt Ion:117 Resp: 250846
Ion Ratio Lower Upper
117 100
82 60.1 39.4 59.0#
119 30.7 26.1 39.1

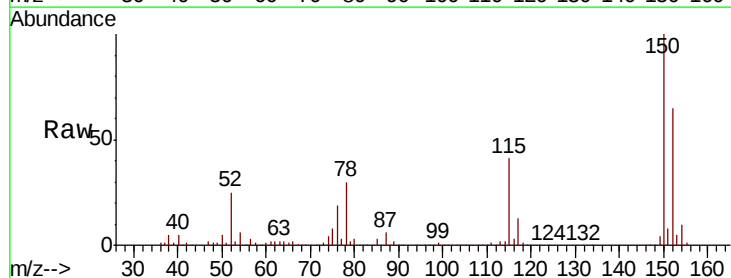


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

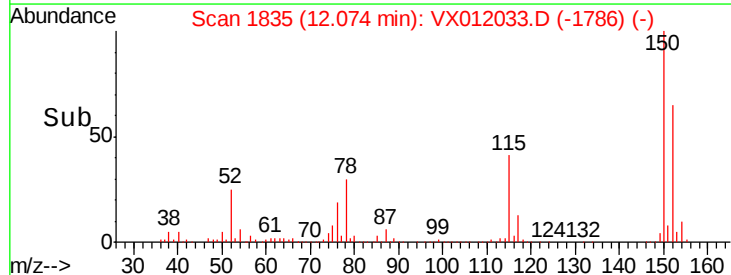
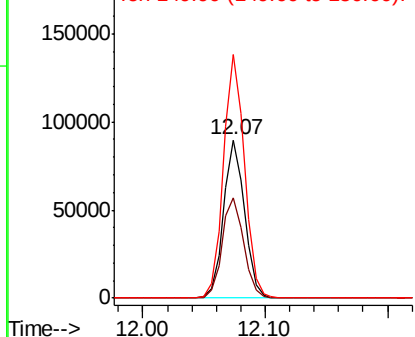


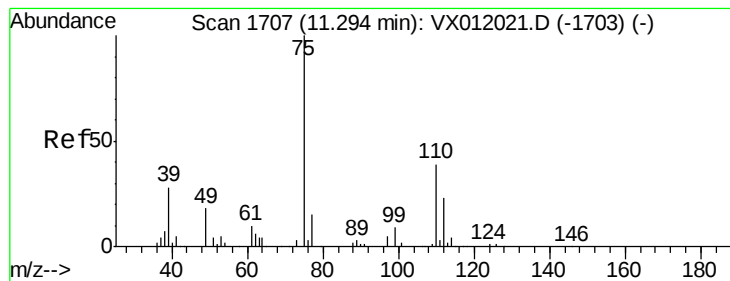
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012033.D
Acq: 03 Sep 2019 20:22

Tgt Ion:152 Resp: 106359
Ion Ratio Lower Upper
152 100
115 65.1 36.4 109.3
150 154.2 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: 52.877 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012033.D

Acq: 03 Sep 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

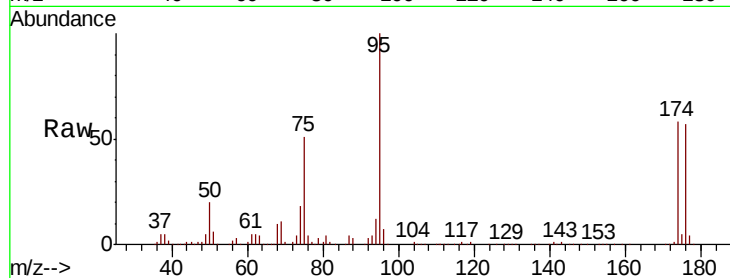
T3-S-C1-(2.5)

Tgt Ion: 75 Resp: 68716

Ion Ratio Lower Upper

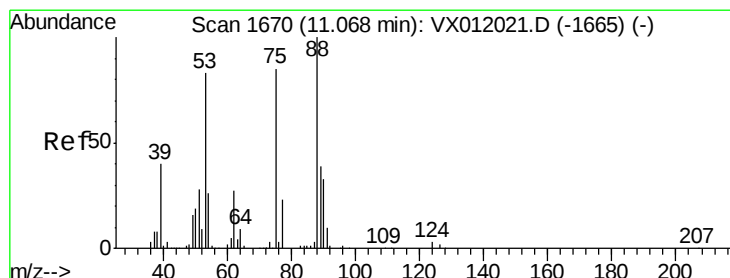
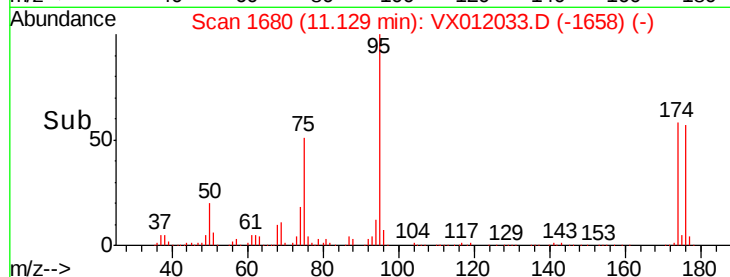
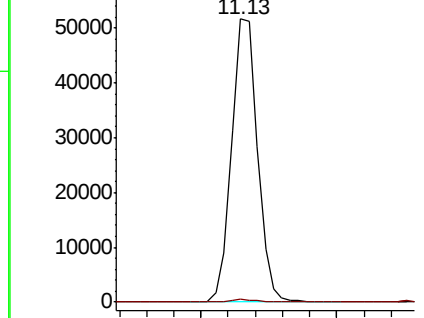
75 100

77 1.0 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: 125.009 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012033.D

Acq: 03 Sep 2019 20:22

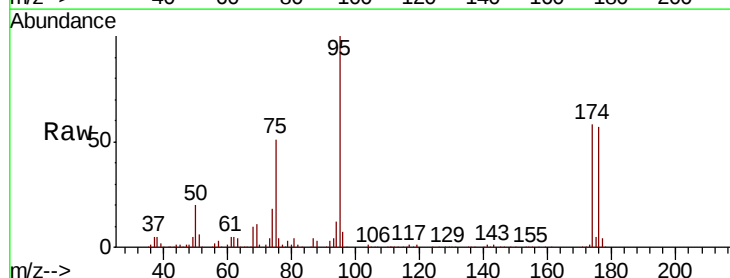
Tgt Ion: 75 Resp: 68716

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

