

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
 Data File : VX012032.D
 Acq On : 03 Sep 2019 19:54
 Operator : SY/SP
 Sample : K4546-01
 Misc : 4.98g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C1-(0)

Quant Time: Sep 04 04:04:49 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	178541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	313757	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96561	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	117930	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
35) Dibromofluoromethane	5.48	113	93530	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	8.71	98	370644	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
62) 4-Bromofluorobenzene	11.14	95	135002	41.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.00%	

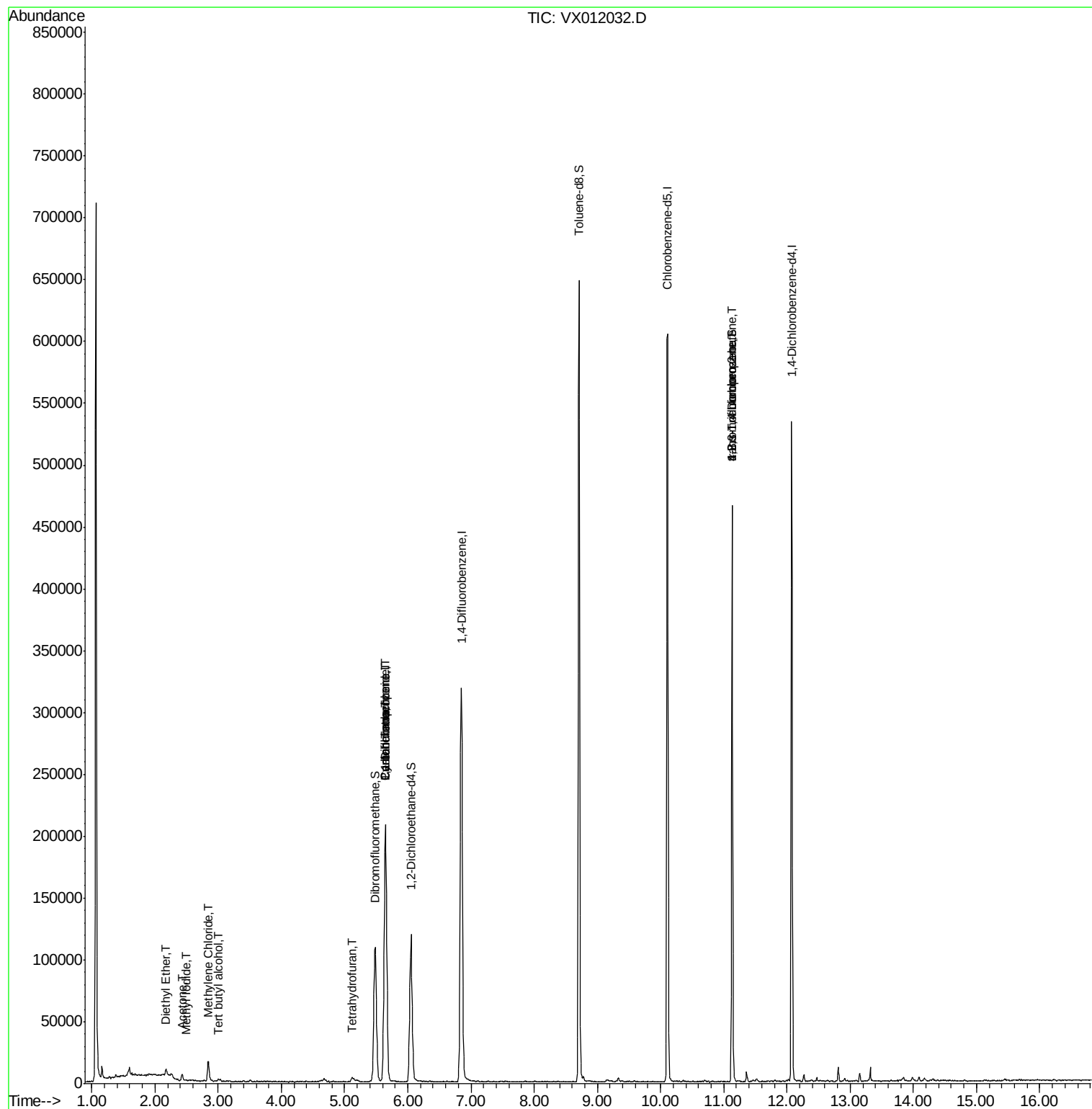
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1512	1.776	ug/l	94
10) Methyl Iodide	2.50	142	274	7.116	ug/l #	91
11) Tert butyl alcohol	3.01	59	2102	8.883	ug/l #	50
13) Acrolein	2.25	56	439	Below Cal	#	70
16) Acetone	2.43	43	5699	9.678	ug/l	98
20) Methylene Chloride	2.84	84	7875	3.330	ug/l #	94
29) Tetrahydrofuran	5.12	42	3107	6.880	ug/l #	32
31) Cyclohexane	5.64	56	5234	1.733	ug/l #	6
36) 1,1-Dichloropropene	5.65	75	16272	5.888	ug/l #	49
38) Carbon Tetrachloride	5.65	117	21237	7.293	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	68444	58.012	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	68444	137.149	ug/l #	10

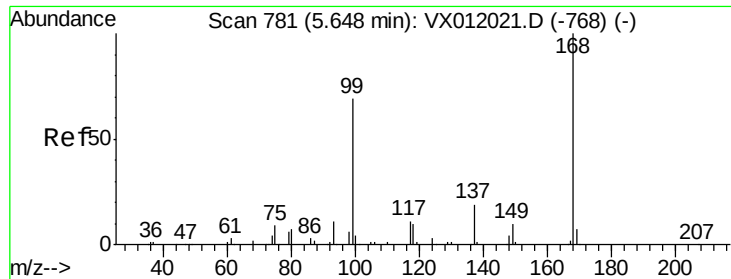
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012032.D

Acq: 03 Sep 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

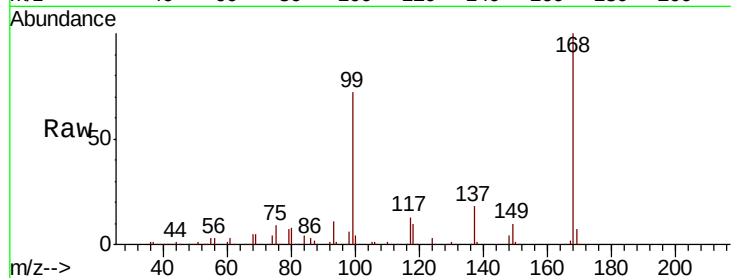
T3-S-C1-(0)

Tgt Ion:168 Resp: 178541

Ion Ratio Lower Upper

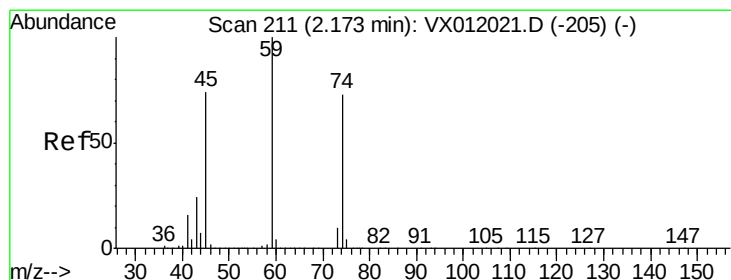
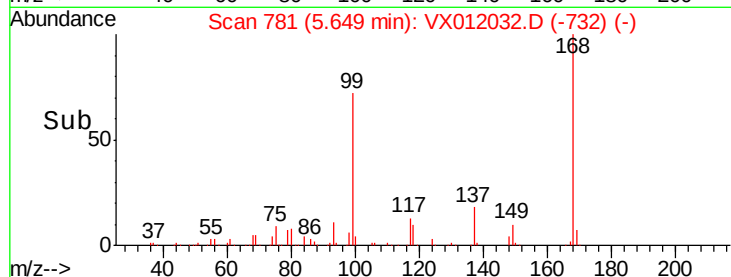
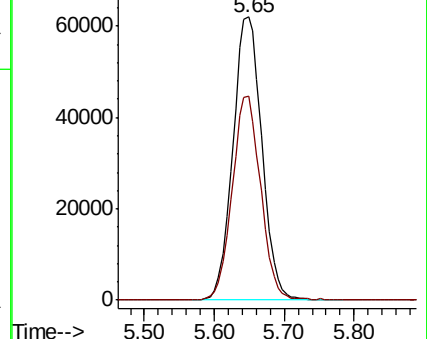
168 100

99 72.3 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: 1.776 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012032.D

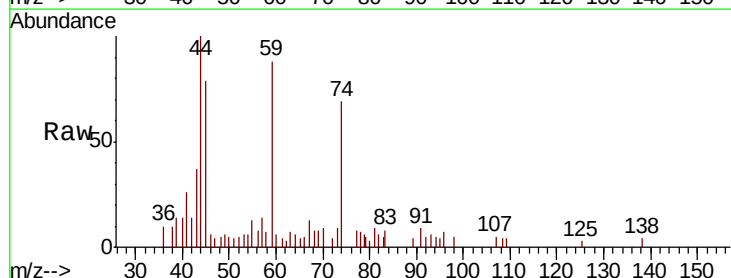
Acq: 03 Sep 2019 19:54

Tgt Ion: 74 Resp: 1512

Ion Ratio Lower Upper

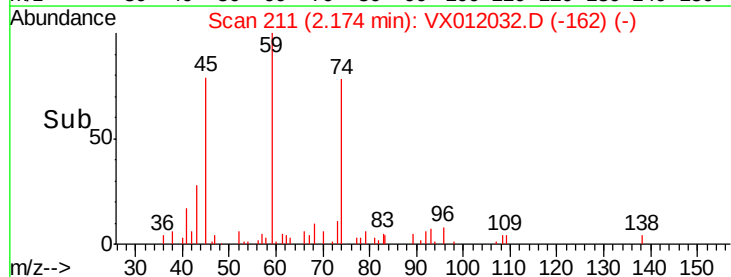
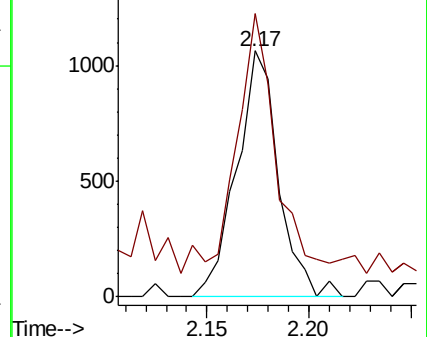
74 100

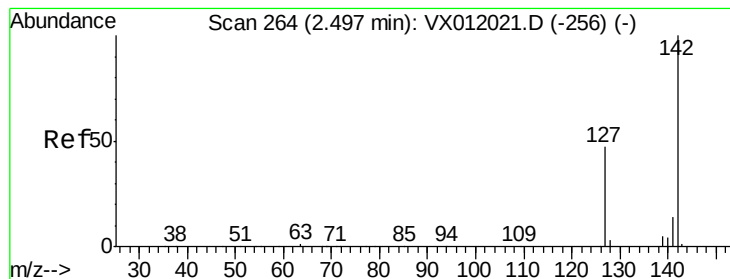
45 86.0 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methyl Iodide

Concen: 7.116 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012032.D

Acq: 03 Sep 2019 19:54

Instrument :

MSVOA_X

ClientSampled :

T3-S-C1-(0)

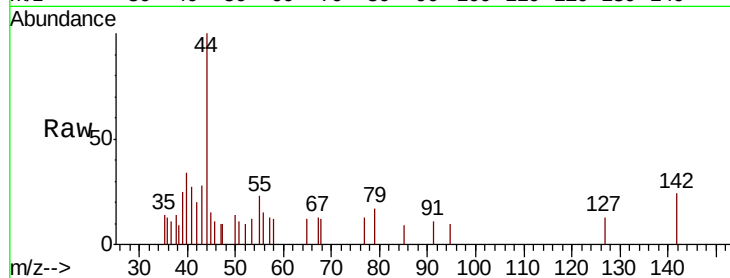
Tgt Ion:142 Resp: 274

Ion Ratio Lower Upper

142 100

127 44.2 35.4 53.2

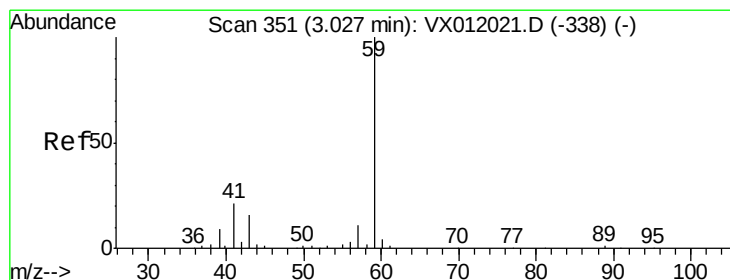
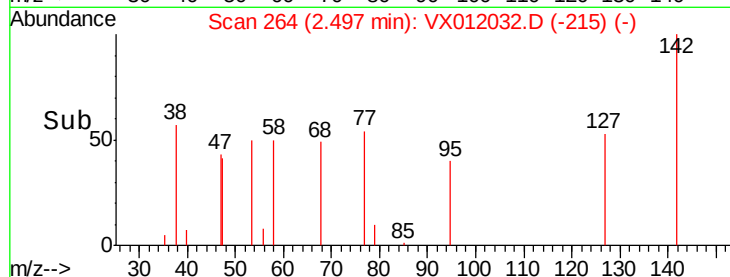
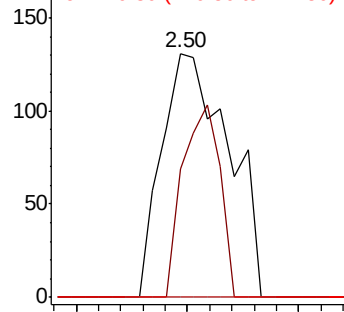
141 0.0 11.4 17.2#



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: 8.883 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX012032.D

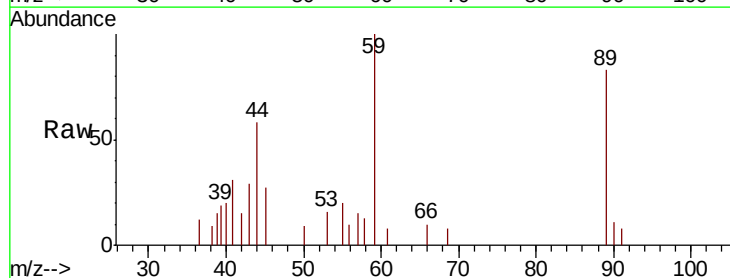
Acq: 03 Sep 2019 19:54

Tgt Ion: 59 Resp: 2102

Ion Ratio Lower Upper

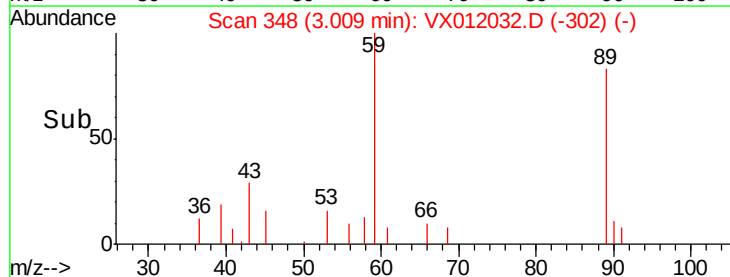
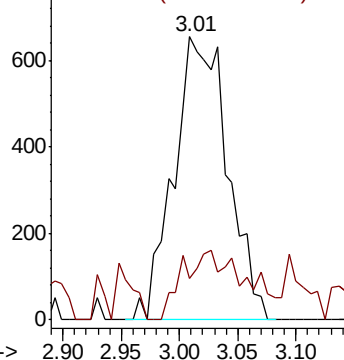
59 100

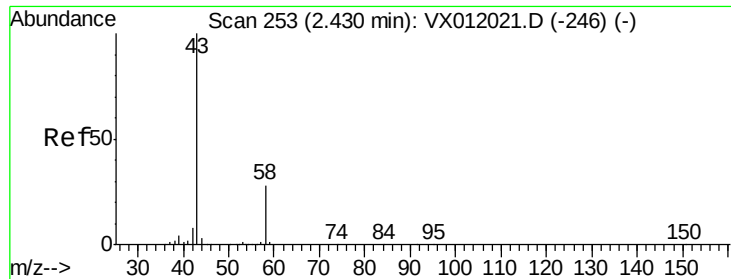
57 28.5 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 9.678 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012032.D

Acq: 03 Sep 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

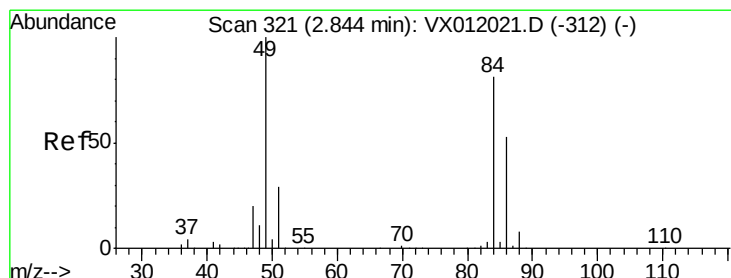
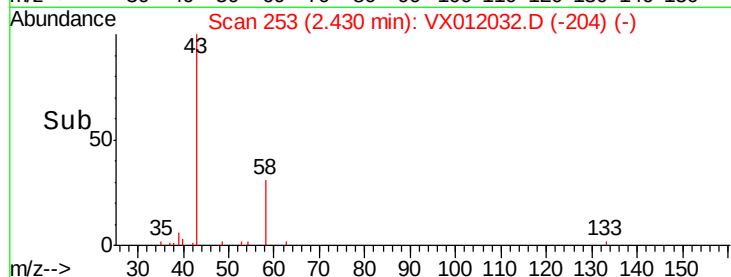
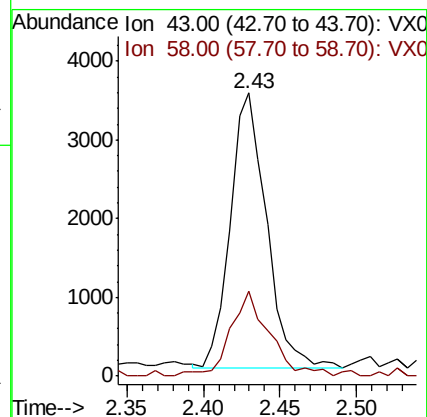
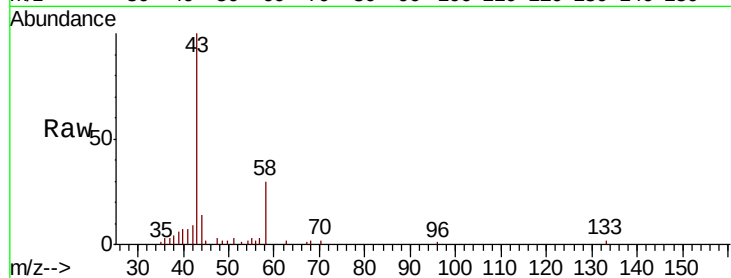
T3-S-C1(0)

Tgt Ion: 43 Resp: 5699

Ion Ratio Lower Upper

43 100

58 29.4 22.8 34.2



#20

Methylene Chloride

Concen: 3.330 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012032.D

Acq: 03 Sep 2019 19:54

Tgt Ion: 84 Resp: 7875

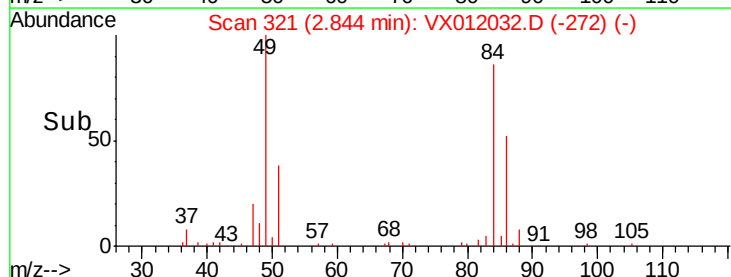
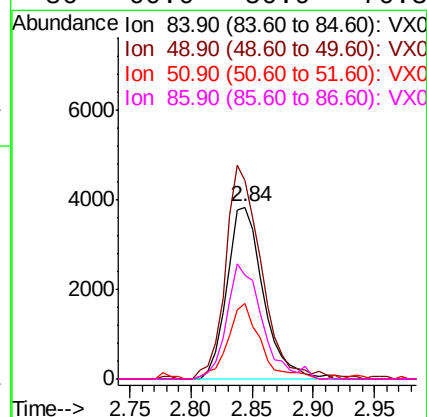
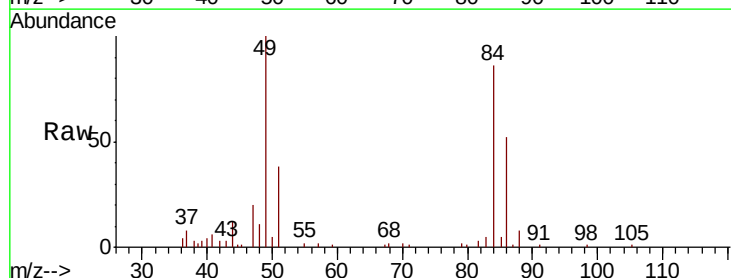
Ion Ratio Lower Upper

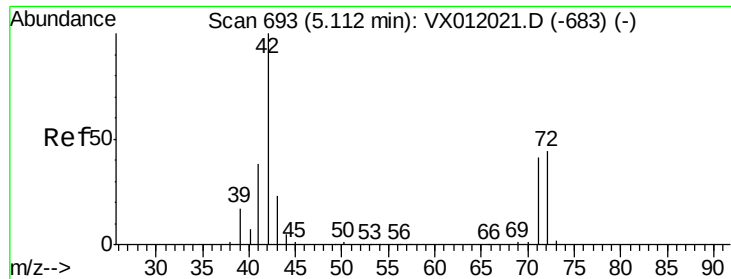
84 100

49 115.6 95.8 143.8

51 44.3 28.6 43.0#

86 60.0 50.9 76.3

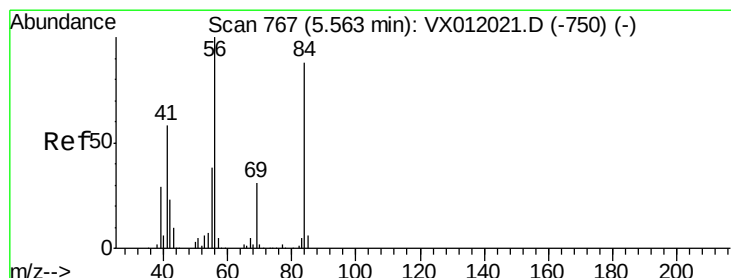
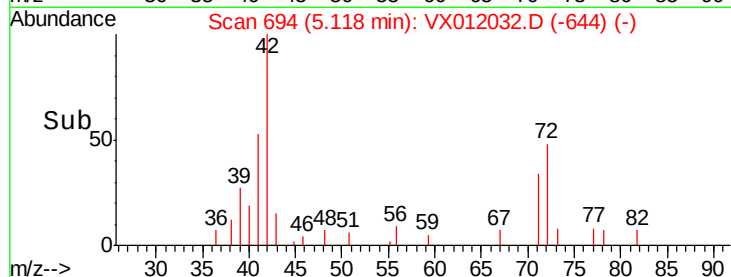
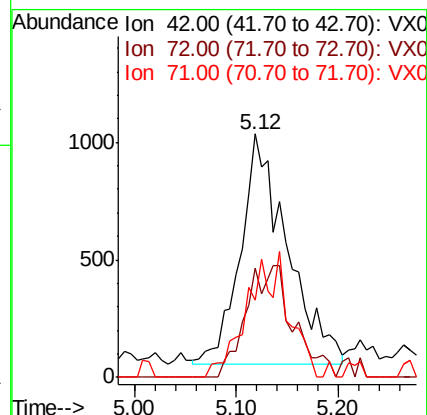
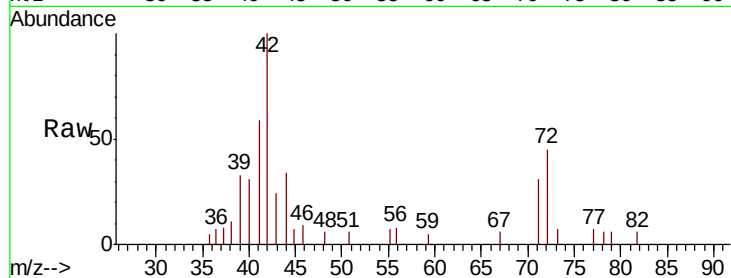




#29
Tetrahydrofuran
Concen: 6.880 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012032.D
Acq: 03 Sep 2019 19:54

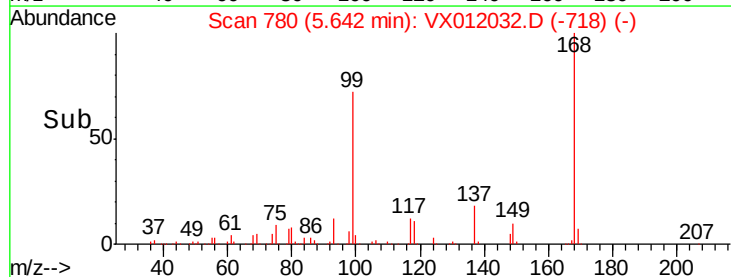
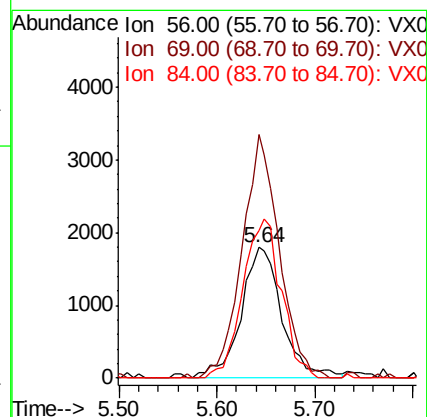
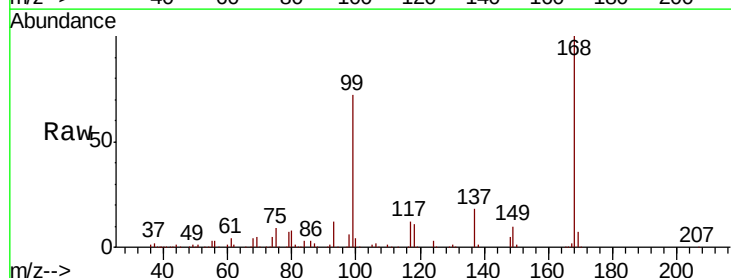
Instrument :
MSVOA_X
ClientSampled :
T3-S-C1-(0)

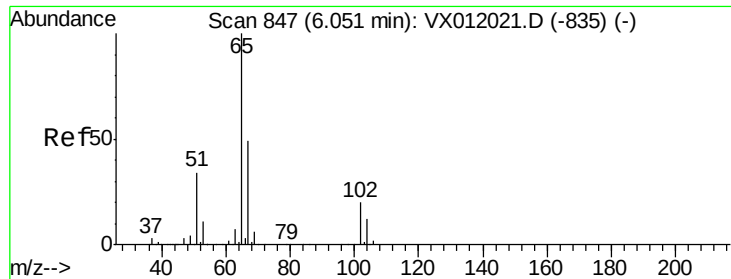
Tgt Ion: 42 Resp: 3107
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.4#
71 0.0 33.8 50.8#



#31
Cyclohexane
Concen: 1.733 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012032.D
Acq: 03 Sep 2019 19:54

Tgt Ion: 56 Resp: 5234
Ion Ratio Lower Upper
56 100
69 186.4 25.7 38.5#
84 113.0 70.3 105.5#

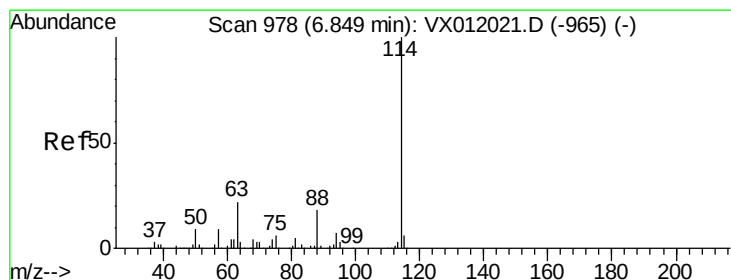
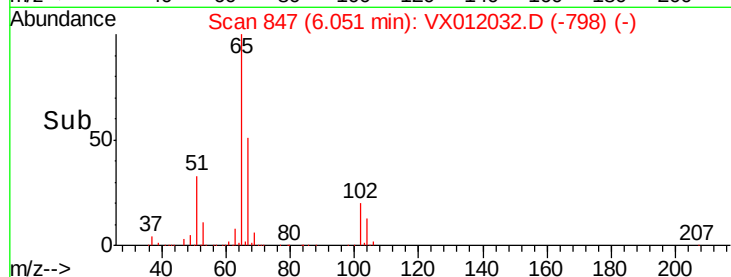
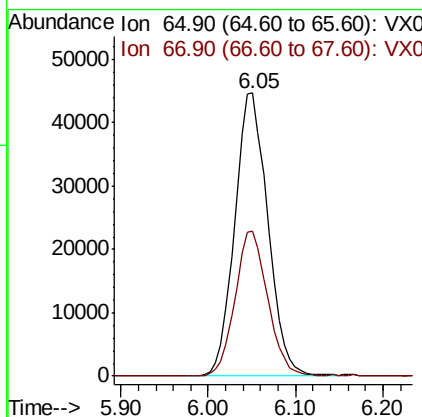
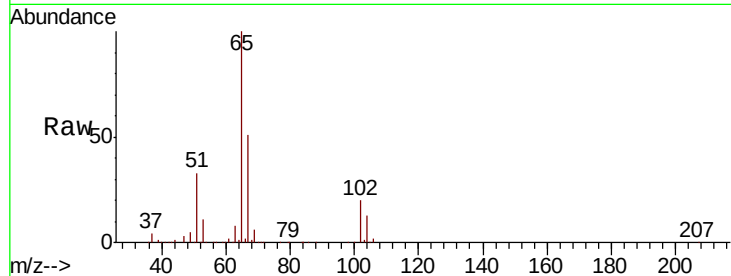




#33
 1,2-Dichloroethane-d4
 Concen: 47.871 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012032.D
 Acq: 03 Sep 2019 19:54

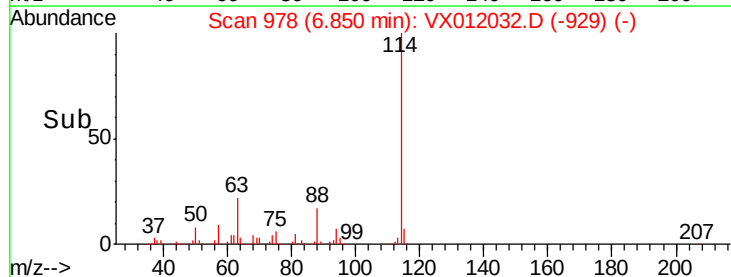
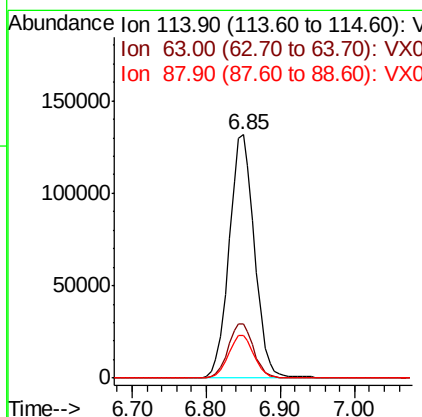
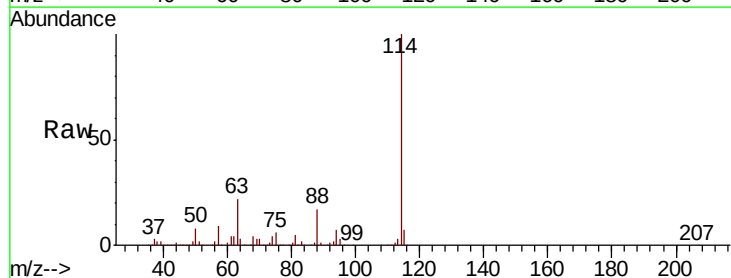
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C1-(0)

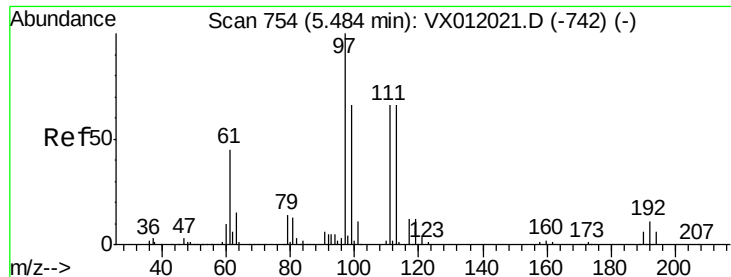
Tgt Ion: 65 Resp: 117930
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012032.D
 Acq: 03 Sep 2019 19:54

Tgt Ion: 114 Resp: 313757
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 37.4
 88 17.3 0.0 29.6

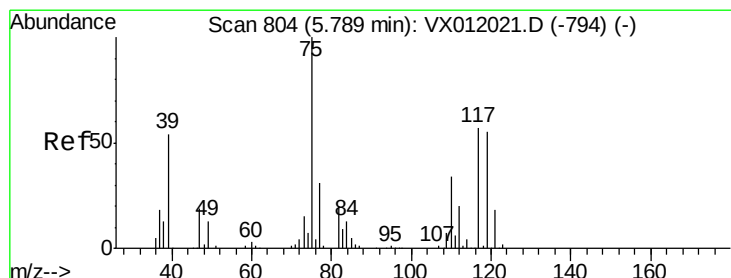
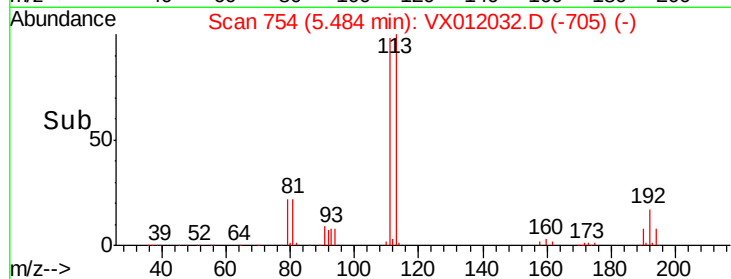
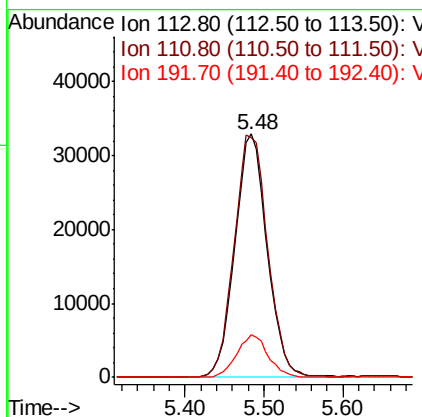
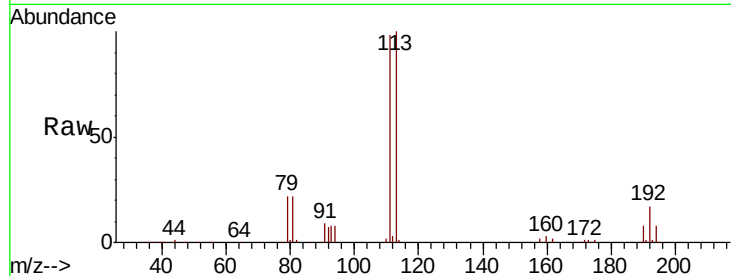




#35
 Dibromofluoromethane
 Concen: 48.473 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012032.D
 Acq: 03 Sep 2019 19:54

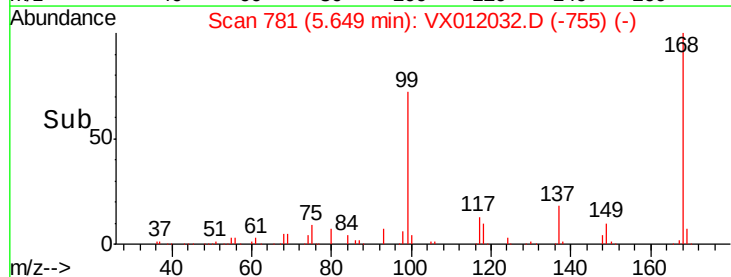
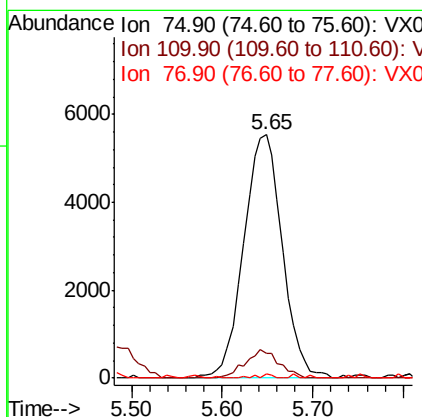
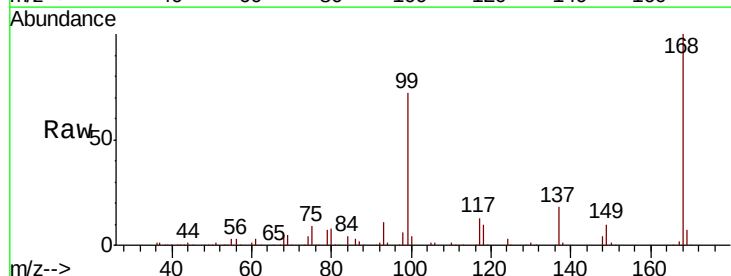
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C1-(0)

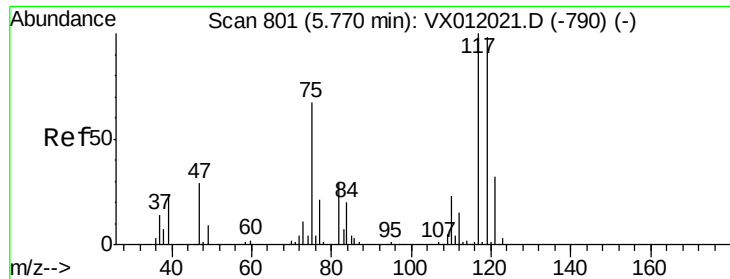
Tgt Ion:113 Resp: 93530
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.7 122.5
 192 17.0 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 5.888 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012032.D
 Acq: 03 Sep 2019 19:54

Tgt Ion: 75 Resp: 16272
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.5 58.5#
 77 0.5 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.293 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012032.D

Acq: 03 Sep 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

T3-S-C1-(0)

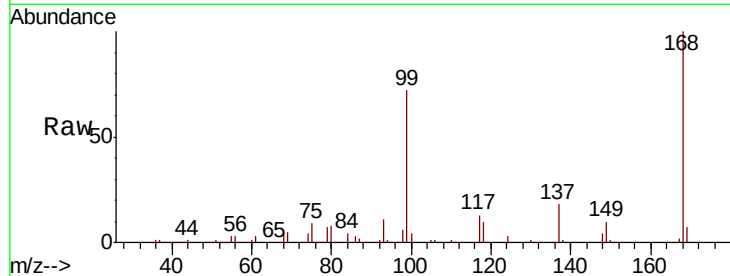
Tgt Ion:117 Resp: 21237

Ion Ratio Lower Upper

117 100

119 3.9 78.3 117.5#

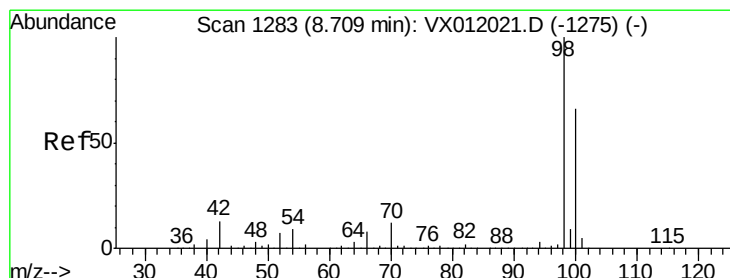
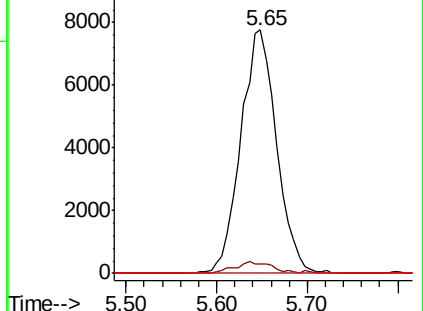
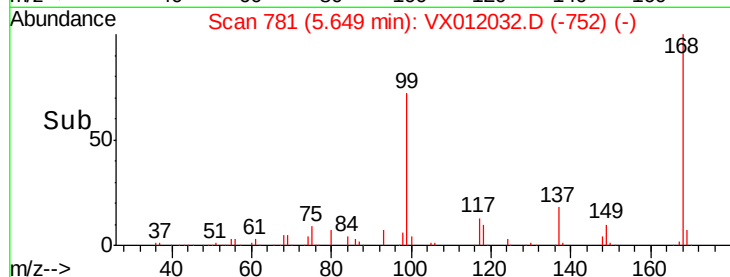
121 0.0 24.2 36.2#



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: 52.348 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012032.D

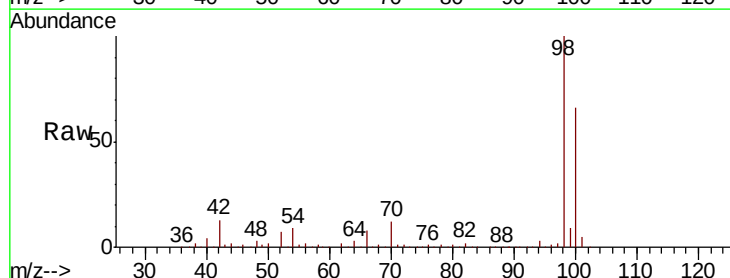
Acq: 03 Sep 2019 19:54

Tgt Ion: 98 Resp: 370644

Ion Ratio Lower Upper

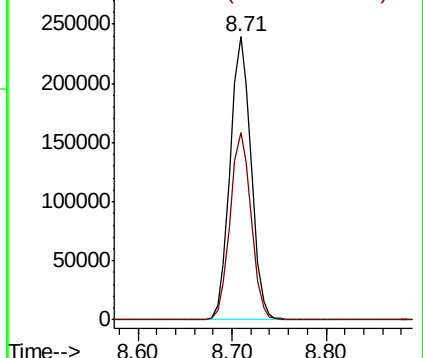
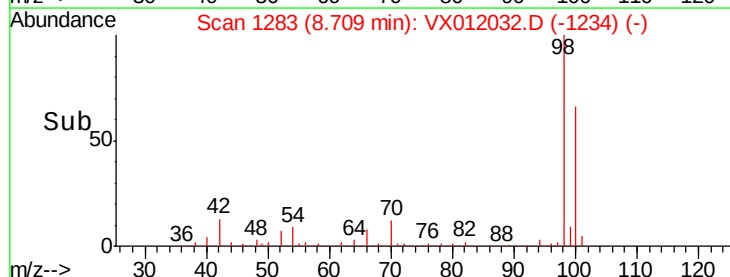
98 100

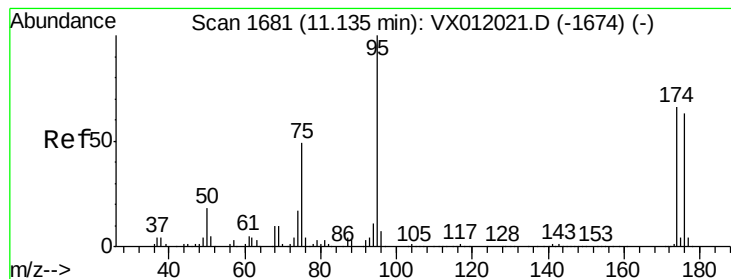
100 66.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 40.999 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012032.D

Acq: 03 Sep 2019 19:54

Instrument :

MSVOA_X

ClientSampled :

T3-S-C1-(0)

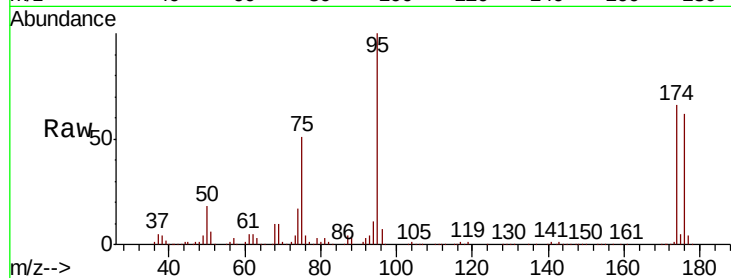
Tgt Ion: 95 Resp: 135002

Ion Ratio Lower Upper

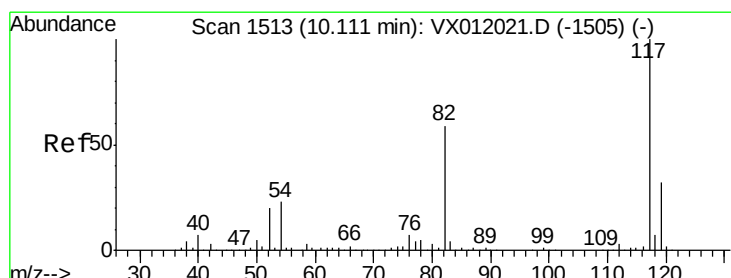
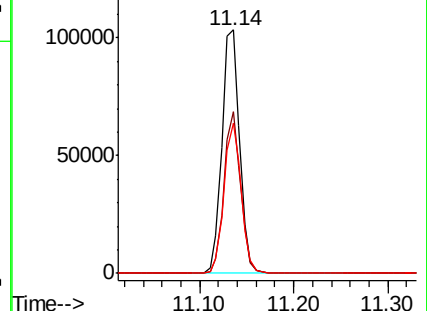
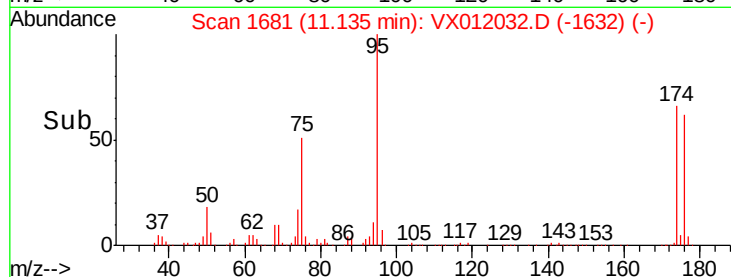
95 100

174 61.9 0.0 205.4

176 60.0 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012032.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012032.D

Acq: 03 Sep 2019 19:54

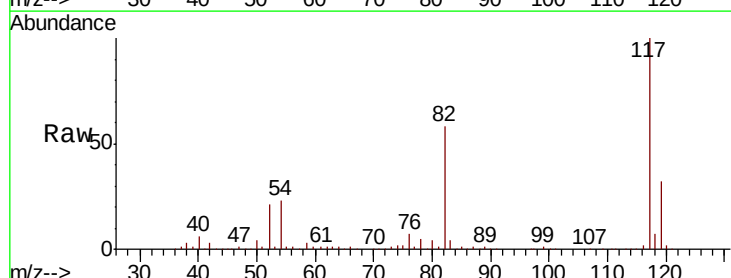
Tgt Ion: 117 Resp: 265091

Ion Ratio Lower Upper

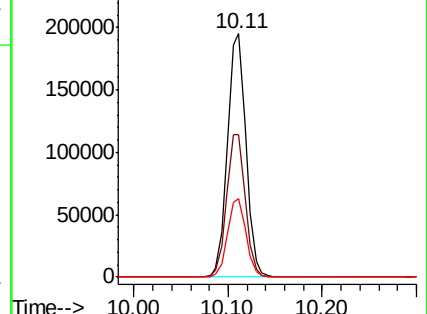
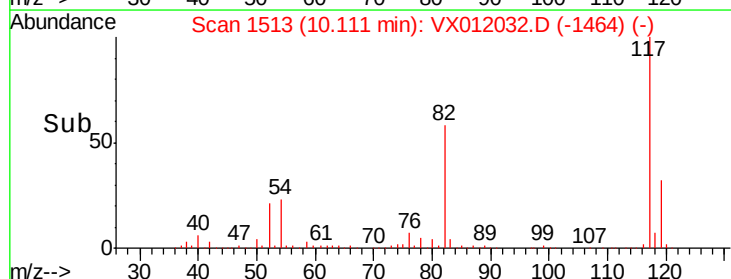
117 100

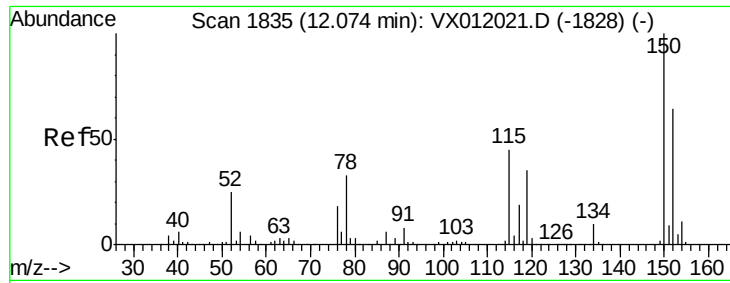
82 58.4 39.4 59.0

119 32.3 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VX012032.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012032.D

Acq: 03 Sep 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

T3-S-C1-(0)

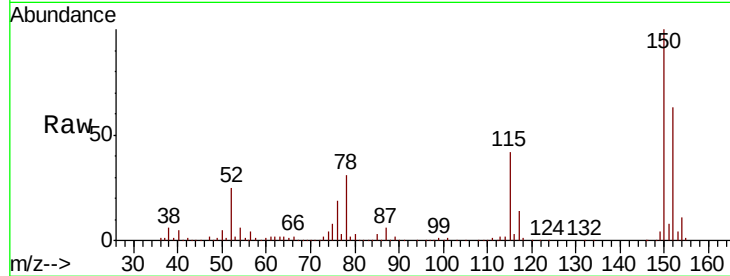
Tgt Ion:152 Resp: 96561

Ion Ratio Lower Upper

152 100

115 66.8 36.4 109.3

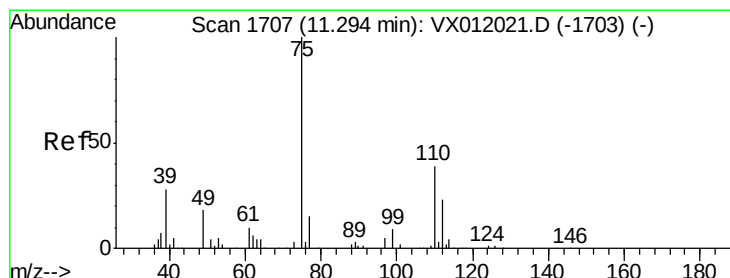
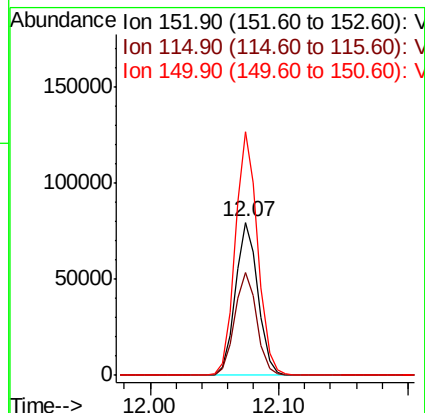
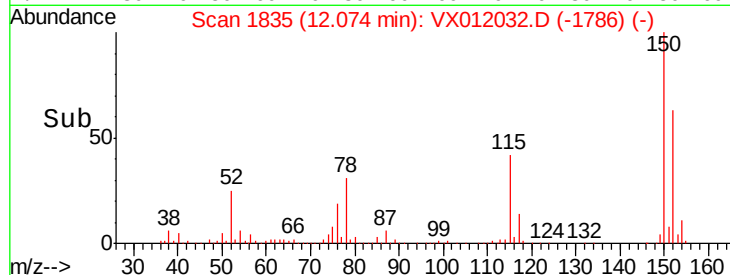
150 158.8 0.0 341.2



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: 58.012 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012032.D

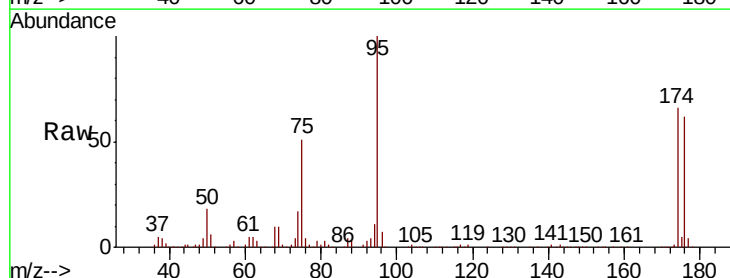
Acq: 03 Sep 2019 19:54

Tgt Ion: 75 Resp: 68444

Ion Ratio Lower Upper

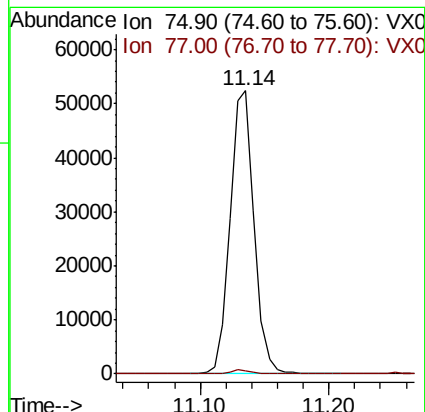
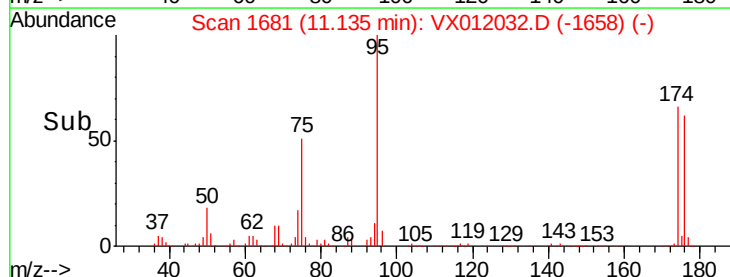
75 100

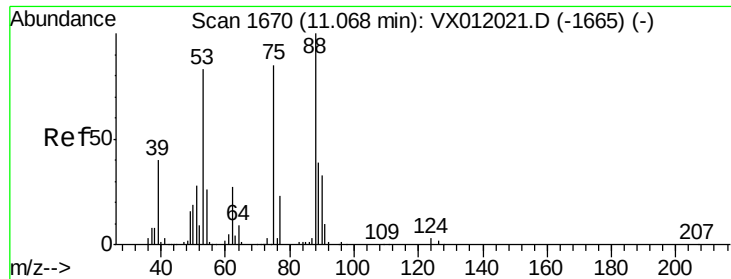
77 1.3 23.5 70.5#



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: 137.149 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012032.D

Acq: 03 Sep 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

T3-S-C1-(0)

Tgt Ion: 75 Resp: 68444

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

