

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012055.D
 Acq On : 04 Sep 2019 16:44
 Operator : SY/SP
 Sample : K4551-02
 Misc : 6.77g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S401-K1-2.0-2.5-082619

Quant Time: Sep 04 17:03:54 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

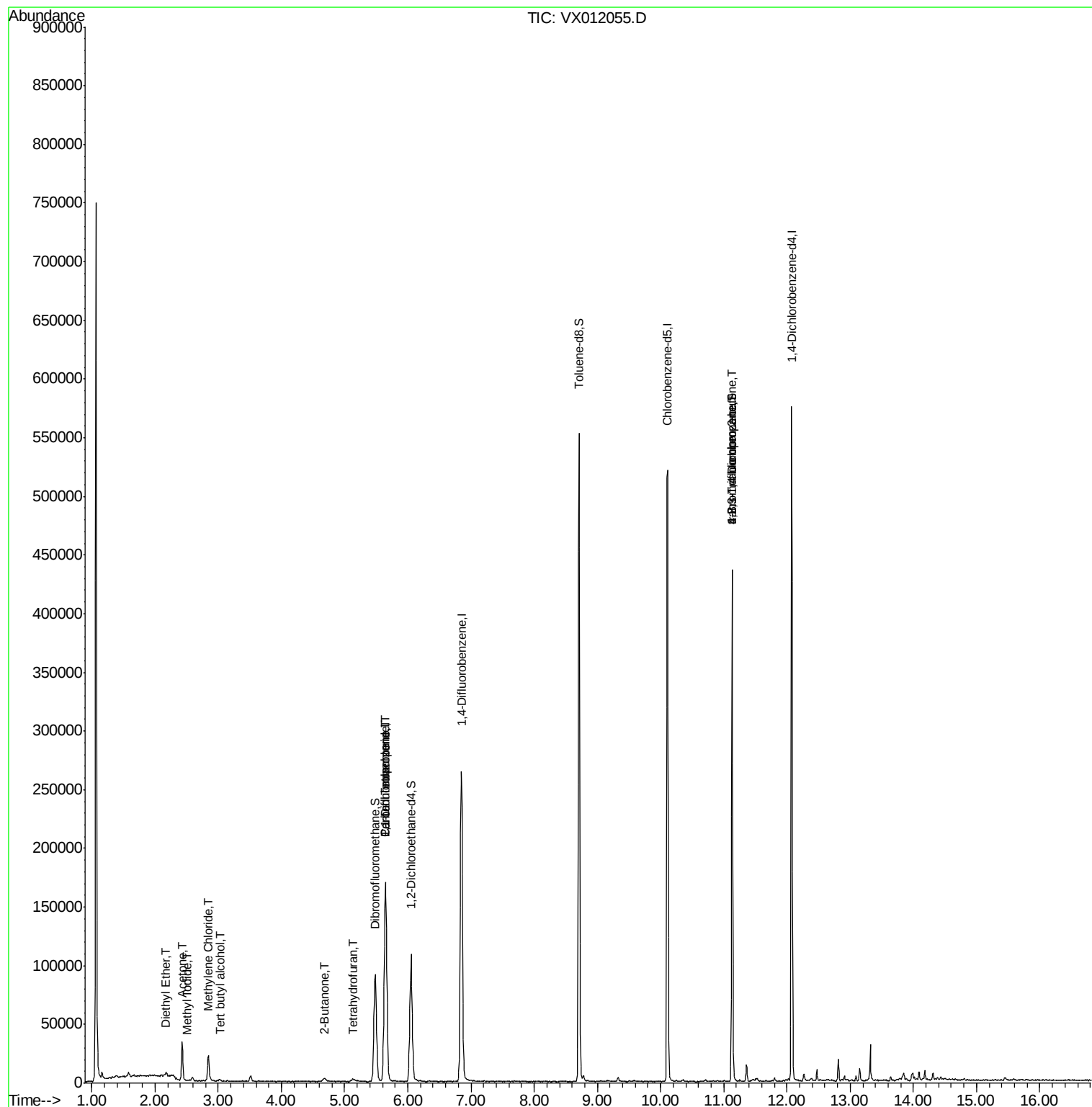
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	257206	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108060	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	105558	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	5.48	113	77174	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	8.71	98	307528	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
62) 4-Bromofluorobenzene	11.14	95	126659	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
Target Compounds						
8) Diethyl Ether	2.17	74	958	1.369	ug/l	83
10) Methyl Iodide	2.51	142	151	7.074	ug/l #	50
11) Tert butyl alcohol	3.02	59	1951	10.034	ug/l #	70
13) Acrolein	2.28	56	80	Below Cal	#	1
16) Acetone	2.43	43	34716	71.748	ug/l	99
20) Methylene Chloride	2.84	84	10106	5.201	ug/l	86
25) 2-Butanone	4.69	43	1143	1.856	ug/l #	82
29) Tetrahydrofuran	5.12	42	2434	6.559	ug/l	98
36) 1,1-Dichloropropene	5.65	75	13964	6.164	ug/l #	48
38) Carbon Tetrachloride	5.65	117	16794	7.035	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	65294	49.453	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	65294	116.914	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
Data File : VX012055.D
Acq On : 04 Sep 2019 16:44
Operator : SY/SP
Sample : K4551-02
Misc : 6.77g/5.0mL/MSVOA_X/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S401-K1-2.0-2.5-082619

Quant Time: Sep 04 17:03:54 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: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

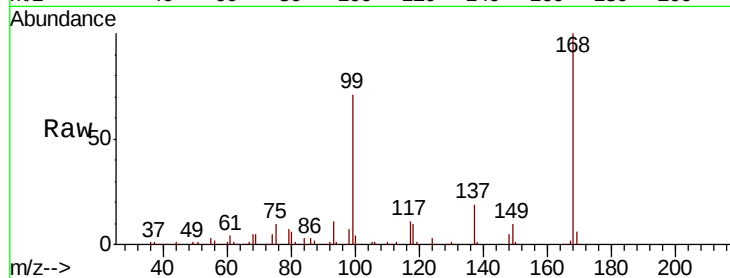
S401-K1-2.0-2.5-082619

Tgt Ion:168 Resp: 146713

Ion Ratio Lower Upper

168 100

99 71.4 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

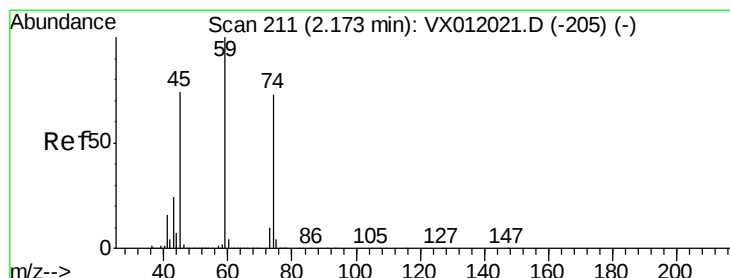
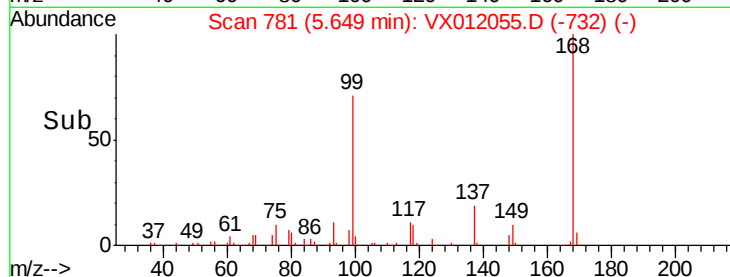
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 1.369 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012055.D

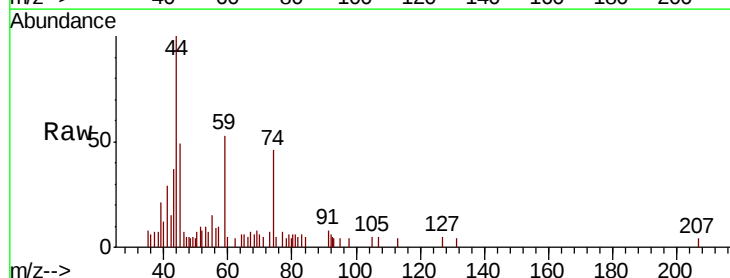
Acq: 04 Sep 2019 16:44

Tgt Ion: 74 Resp: 958

Ion Ratio Lower Upper

74 100

45 107.7 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

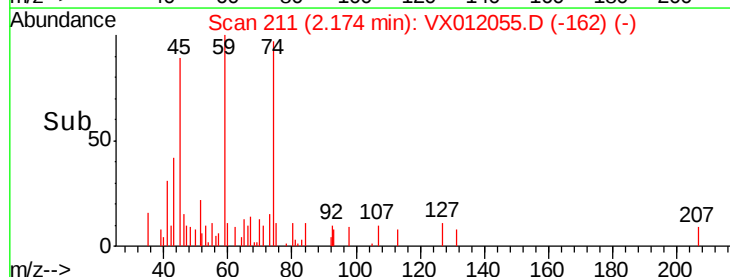
600

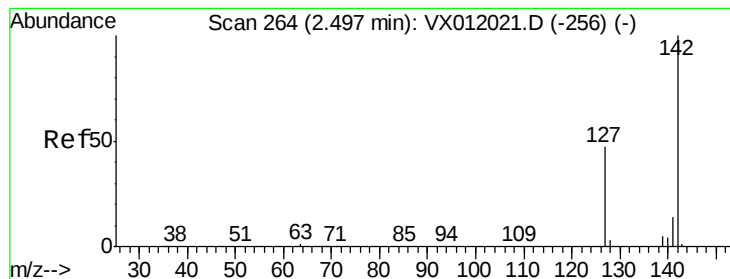
400

200

0

Time-->

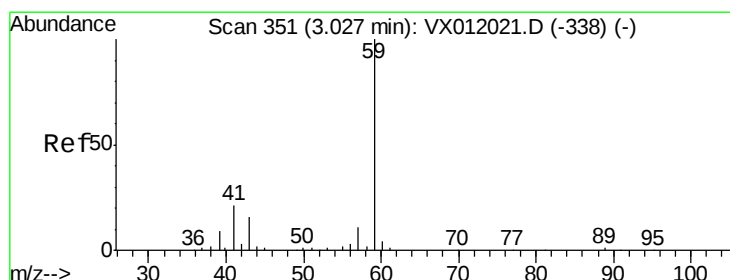
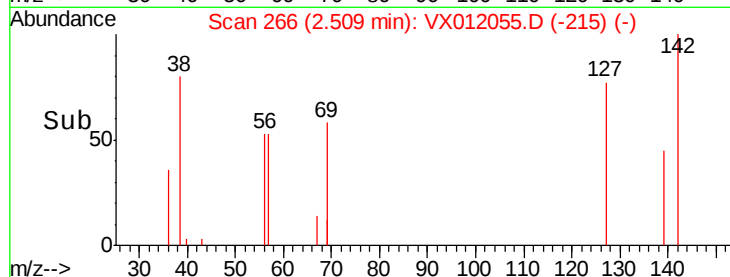
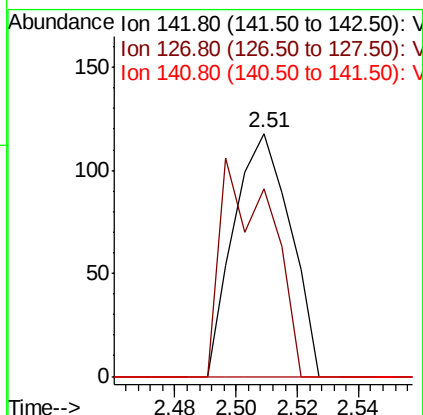
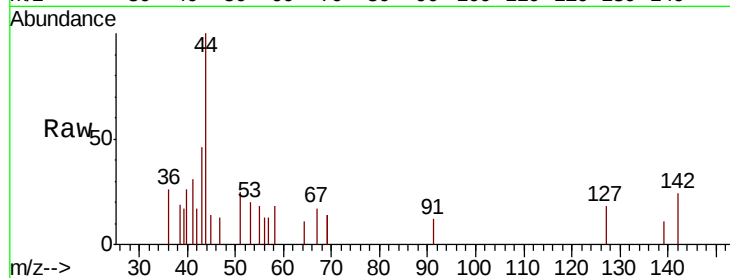




#10
Methyl Iodide
Concen: 7.074 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012055.D
Acq: 04 Sep 2019 16:44

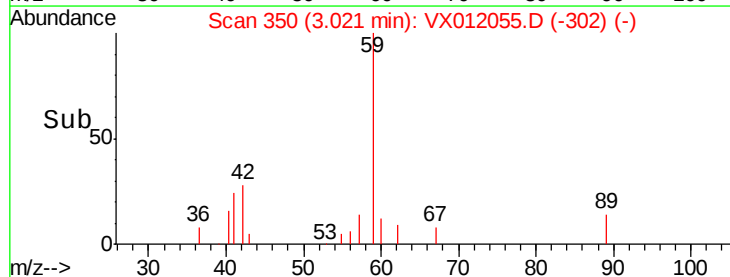
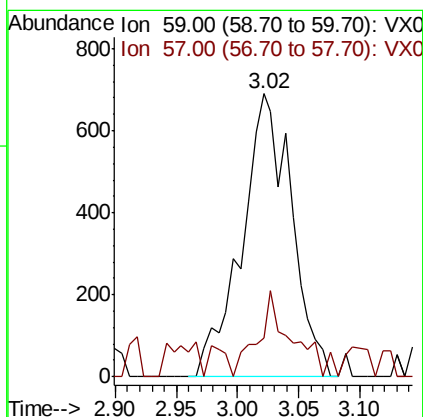
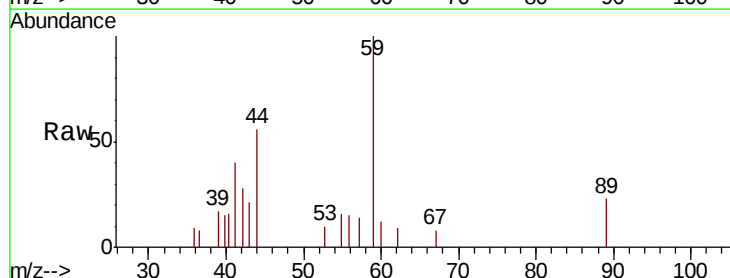
Instrument :
MSVOA_X
ClientSampleId :
S401-K1-2.0-2.5-082619

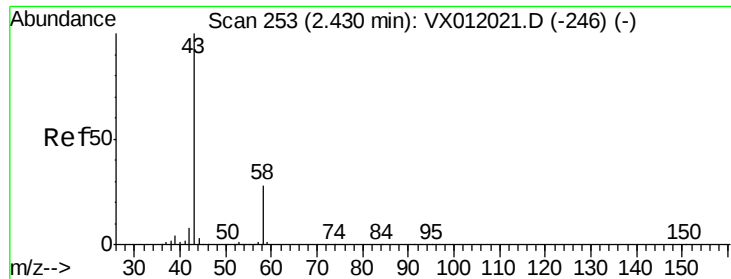
Tgt Ion: 142 Resp: 151
Ion Ratio Lower Upper
142 100
127 80.1 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 10.034 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012055.D
Acq: 04 Sep 2019 16:44

Tgt Ion: 59 Resp: 1951
Ion Ratio Lower Upper
59 100
57 20.9 7.9 11.9#





#16

Acetone

Concen: 71.748 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

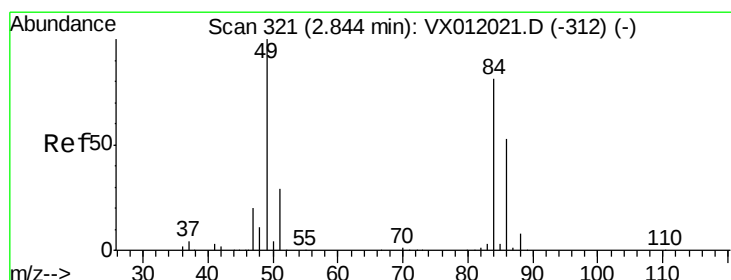
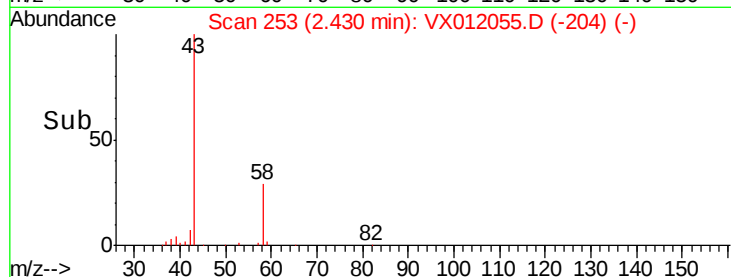
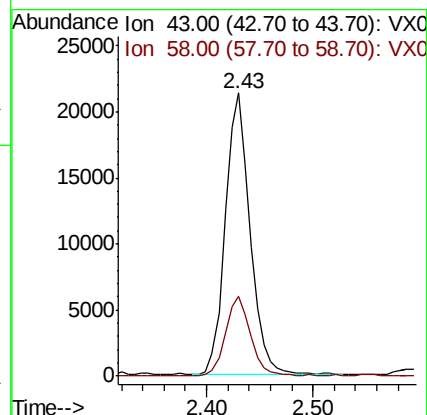
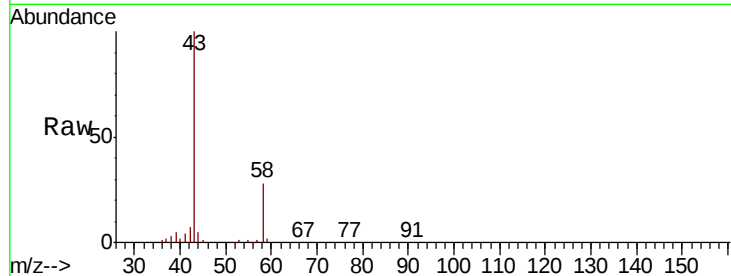
S401-K1-2.0-2.5-082619

Tgt Ion: 43 Resp: 34716

Ion Ratio Lower Upper

43 100

58 28.2 22.8 34.2



#20

Methylene Chloride

Concen: 5.201 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Tgt Ion: 84 Resp: 10106

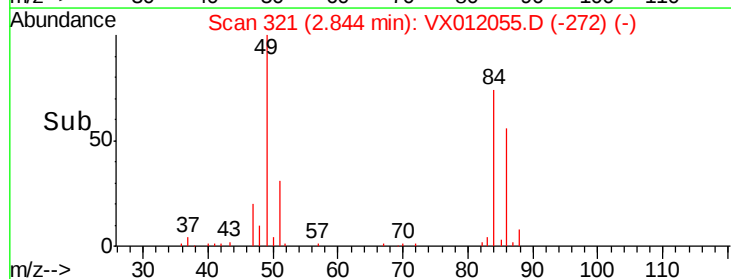
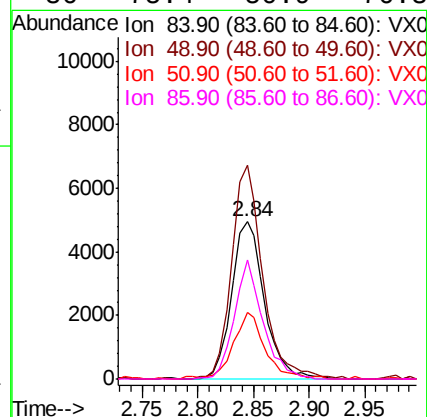
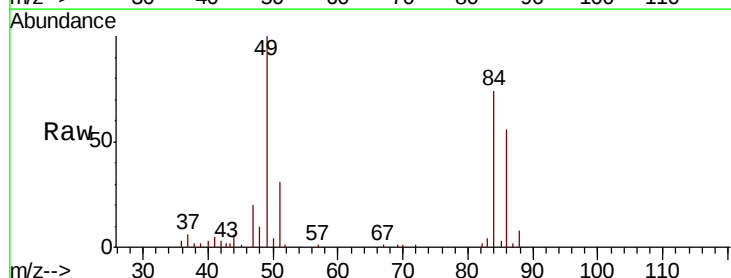
Ion Ratio Lower Upper

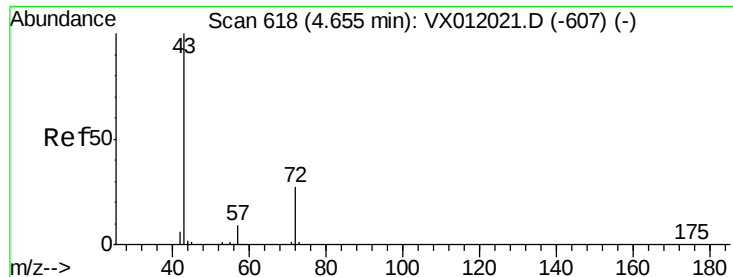
84 100

49 135.8 95.8 143.8

51 42.4 28.6 43.0

86 75.4 50.9 76.3





#25

2-Butanone

Concen: 1.856 ug/l

RT: 4.69 min Scan# 624

Delta R.T. 0.04 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

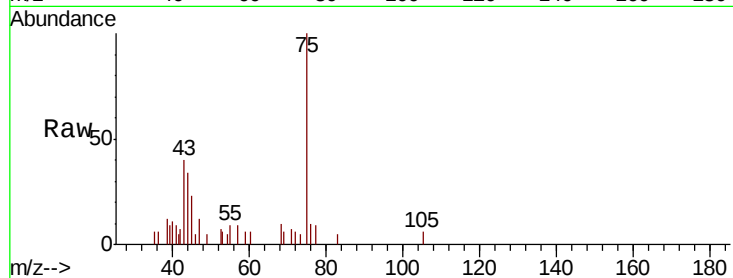
S401-K1-2.0-2.5-082619

Tgt Ion: 43 Resp: 1143

Ion Ratio Lower Upper

43 100

72 17.2 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.69

400

300

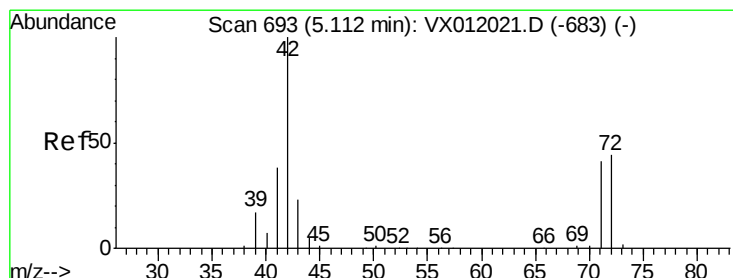
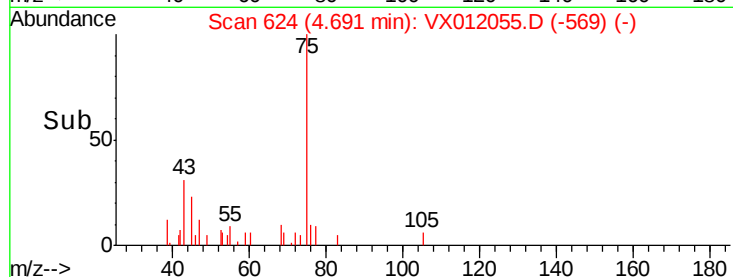
200

100

0

4.60 4.65 4.70

Time-->



#29

Tetrahydrofuran

Concen: 6.559 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

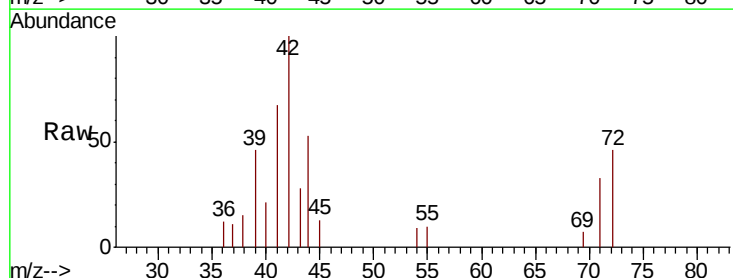
Tgt Ion: 42 Resp: 2434

Ion Ratio Lower Upper

42 100

72 47.8 37.0 55.4

71 43.1 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

800

600

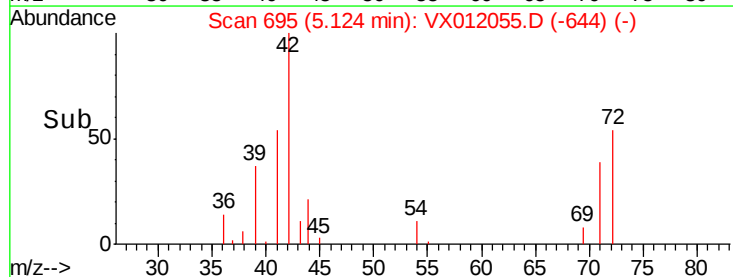
400

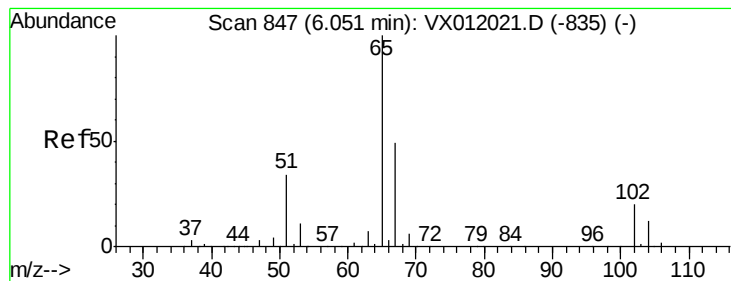
200

0

5.05 5.10 5.15 5.20

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.144 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

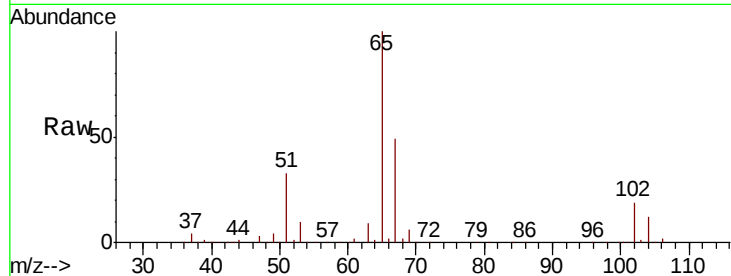
S401-K1-2.0-2.5-082619

Tgt Ion: 65 Resp: 105558

Ion Ratio Lower Upper

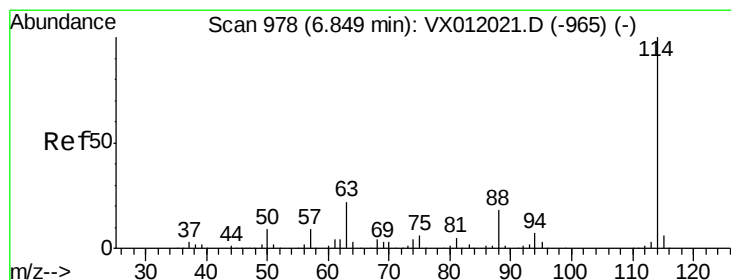
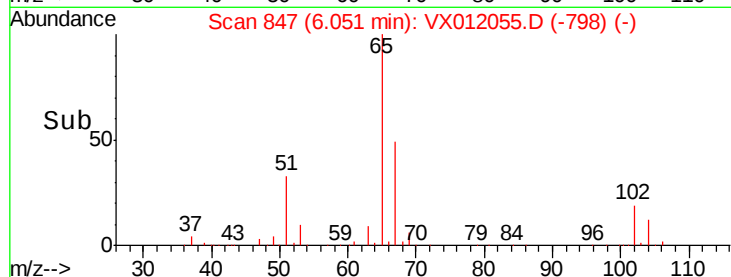
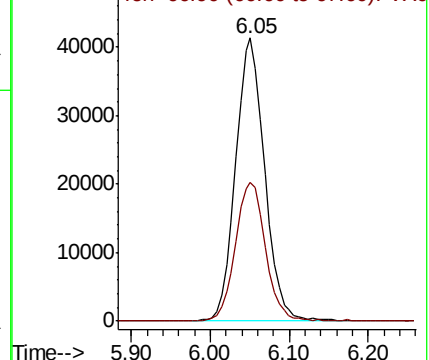
65 100

67 50.9 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: VX012055.D

Acq: 04 Sep 2019 16:44

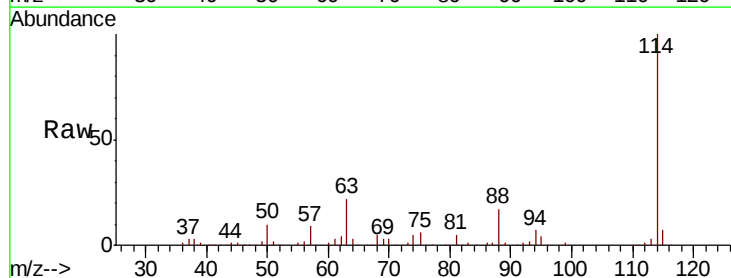
Tgt Ion: 114 Resp: 257206

Ion Ratio Lower Upper

114 100

63 22.5 0.0 37.4

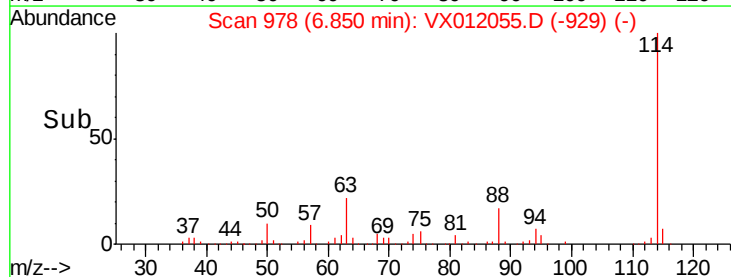
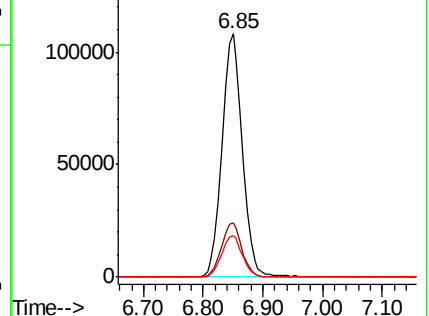
88 17.2 0.0 29.6

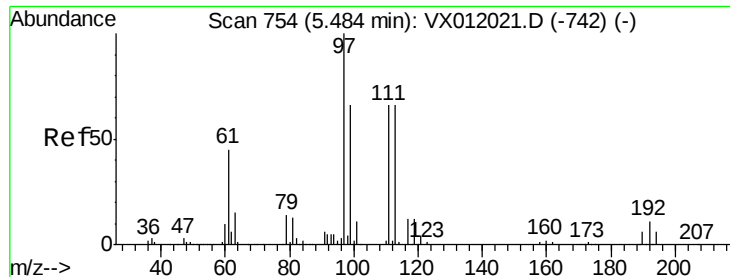


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.790 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

S401-K1-2.0-2.5-082619

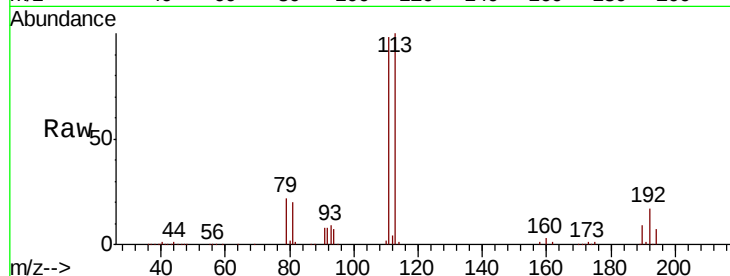
Tgt Ion:113 Resp: 77174

Ion Ratio Lower Upper

113 100

111 103.1 81.7 122.5

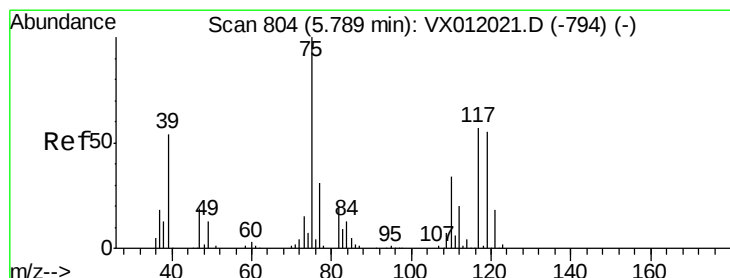
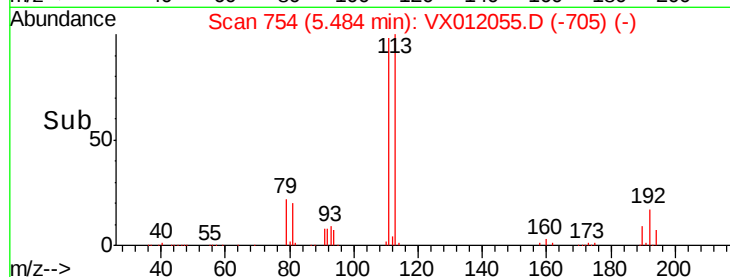
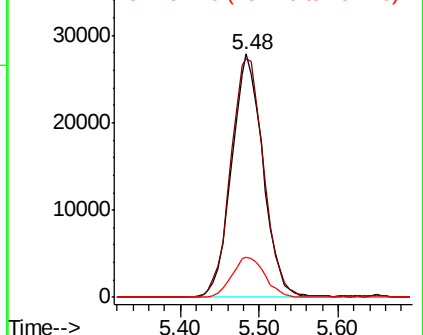
192 17.5 22.5 33.7#



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: 6.164 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

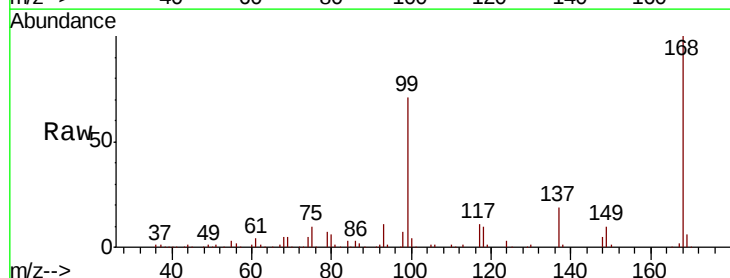
Tgt Ion: 75 Resp: 13964

Ion Ratio Lower Upper

75 100

110 8.9 19.5 58.5#

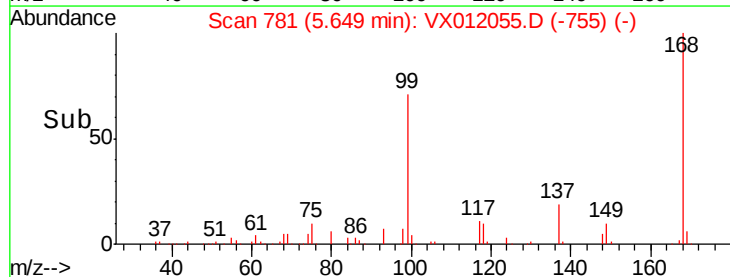
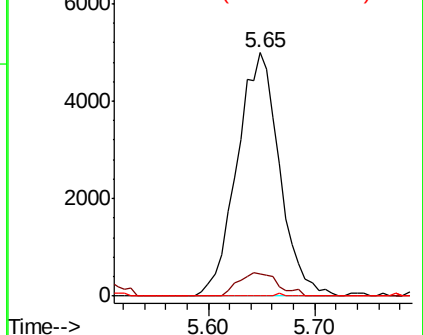
77 0.0 24.6 37.0#

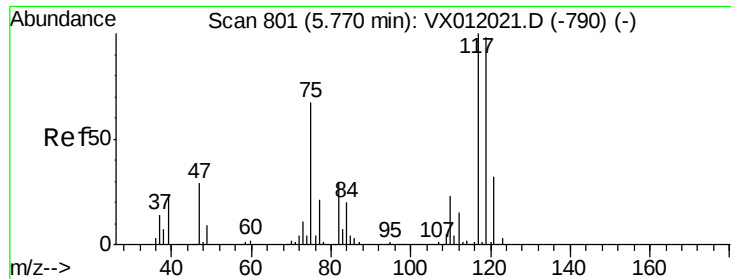


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.035 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

S401-K1-2.0-2.5-082619

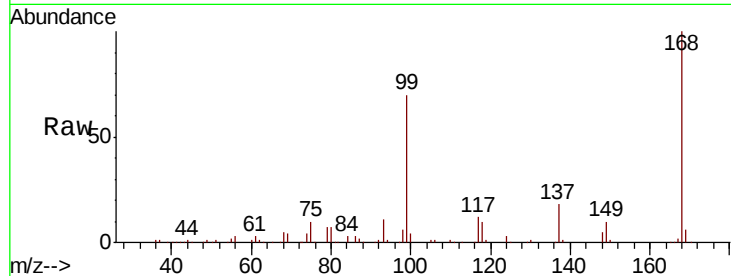
Tgt Ion:117 Resp: 16794

Ion Ratio Lower Upper

117 100

119 5.7 78.3 117.5#

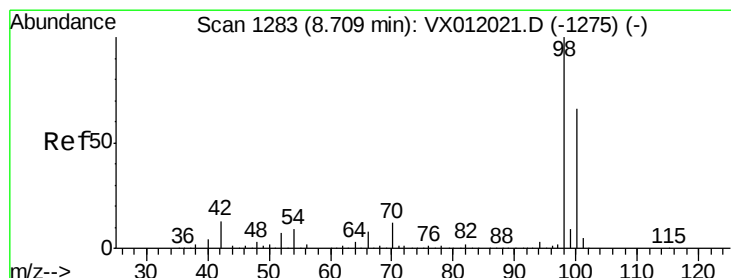
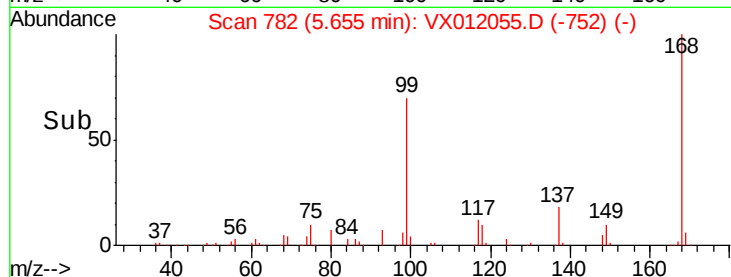
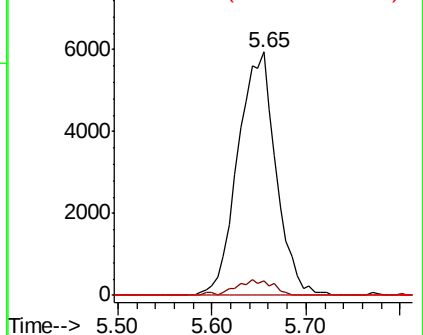
121 0.0 24.2 36.2#



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: 52.983 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012055.D

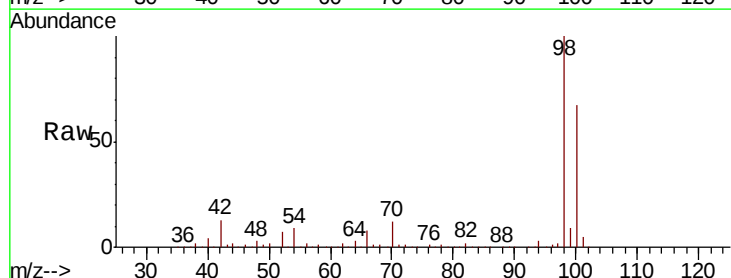
Acq: 04 Sep 2019 16:44

Tgt Ion: 98 Resp: 307528

Ion Ratio Lower Upper

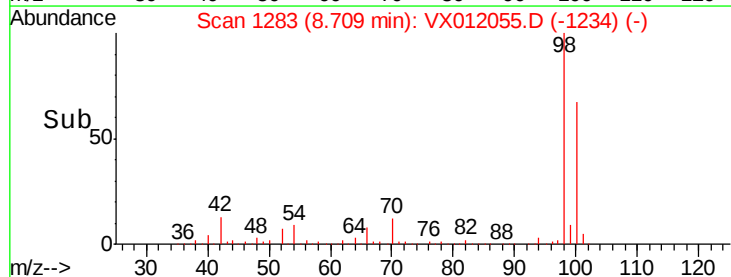
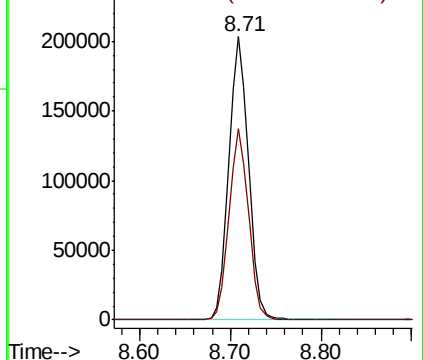
98 100

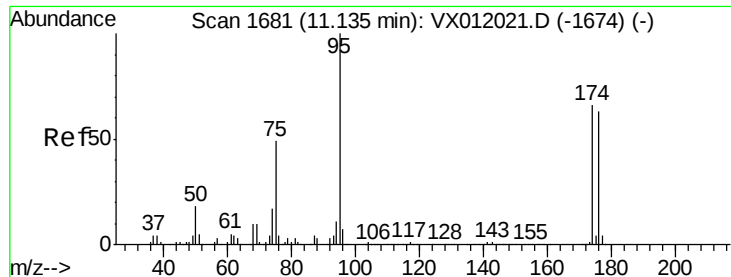
100 66.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.922 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

S401-K1-2.0-2.5-082619

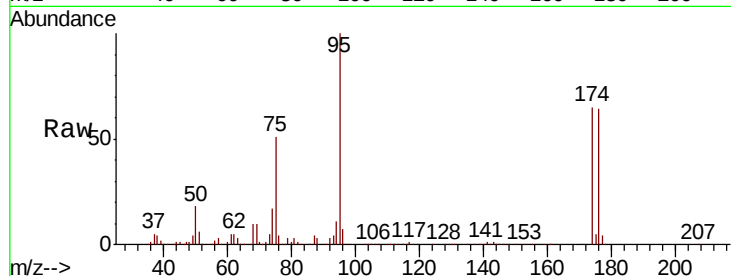
Tgt Ion: 95 Resp: 126659

Ion Ratio Lower Upper

95 100

174 63.5 0.0 205.4

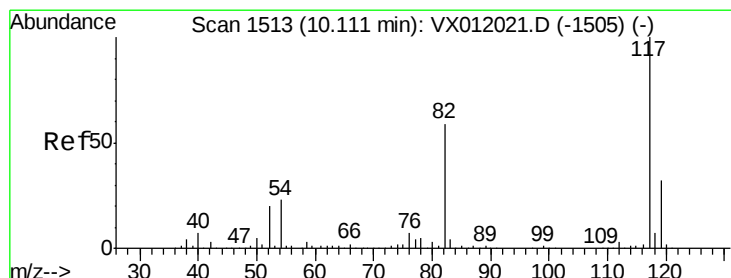
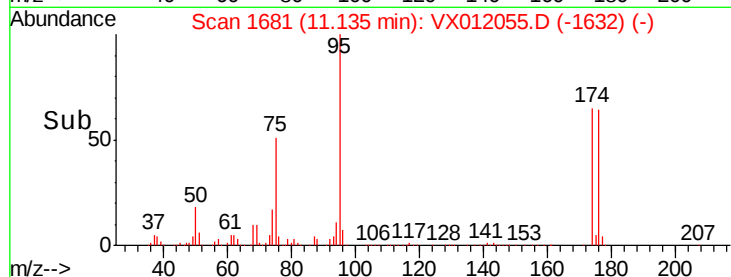
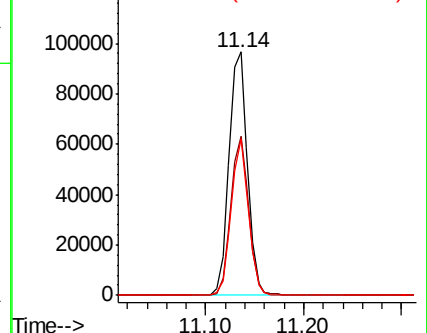
176 60.0 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

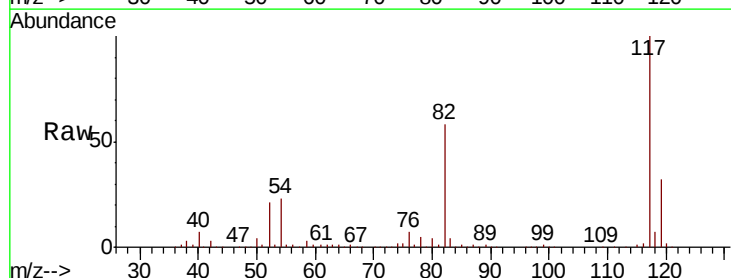
Tgt Ion: 117 Resp: 230606

Ion Ratio Lower Upper

117 100

82 57.6 39.4 59.0

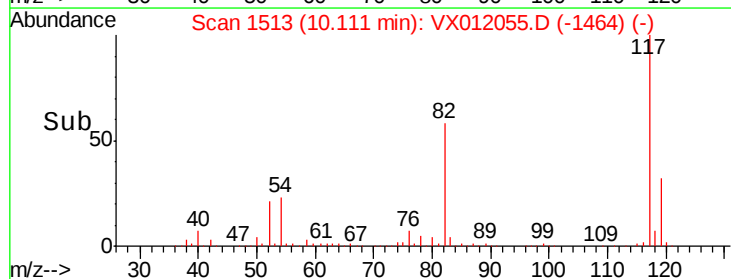
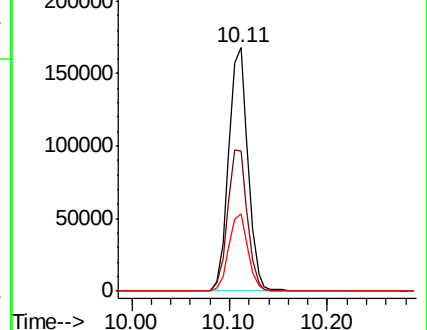
119 31.5 26.1 39.1

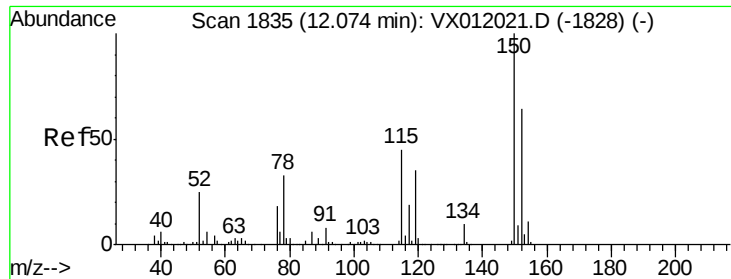


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

S401-K1-2.0-2.5-082619

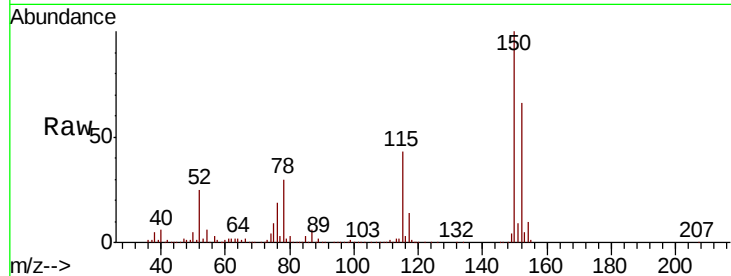
Tgt Ion:152 Resp: 108060

Ion Ratio Lower Upper

152 100

115 65.1 36.4 109.3

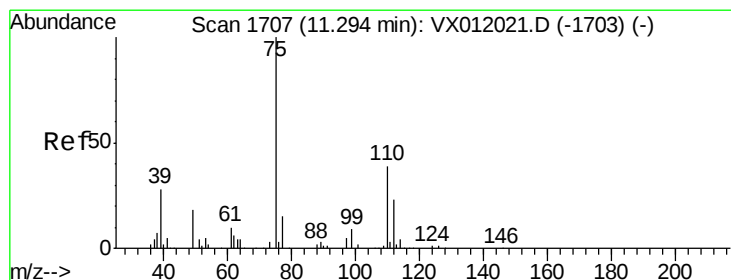
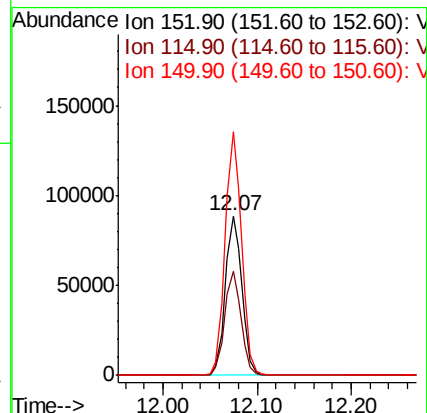
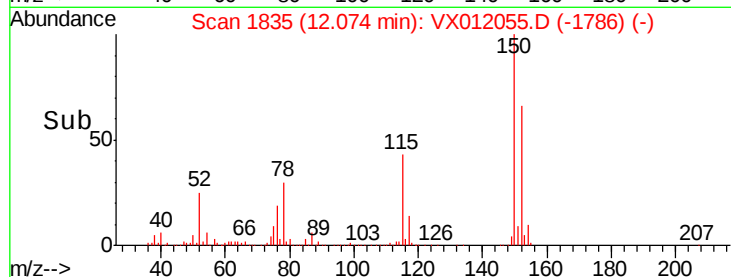
150 151.6 0.0 341.2



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: 49.453 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012055.D

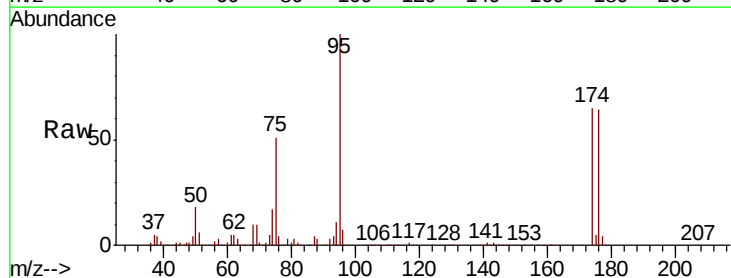
Acq: 04 Sep 2019 16:44

Tgt Ion: 75 Resp: 65294

Ion Ratio Lower Upper

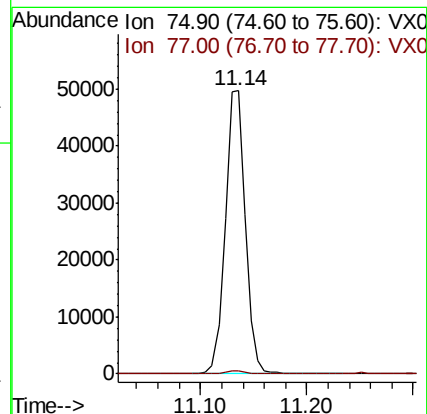
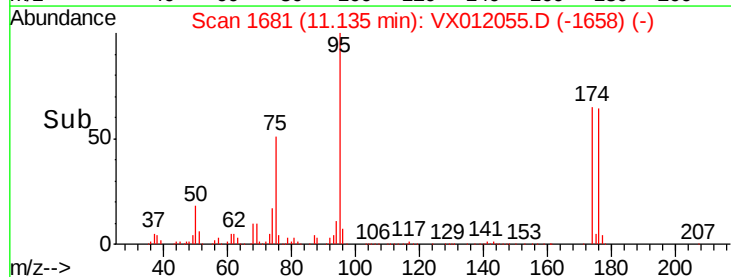
75 100

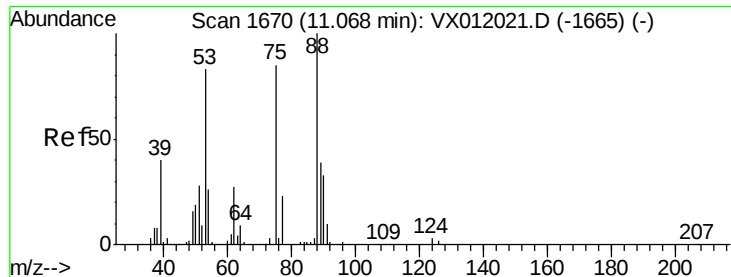
77 1.1 23.5 70.5#



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: 116.914 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

S401-K1-2.0-2.5-082619

Tgt Ion: 75 Resp: 65294

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

