

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012078.D
 Acq On : 05 Sep 2019 04:17
 Operator : SY/SP
 Sample : K4591-02
 Misc : 5.52g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3-25-27

Quant Time: Sep 05 05:30:34 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

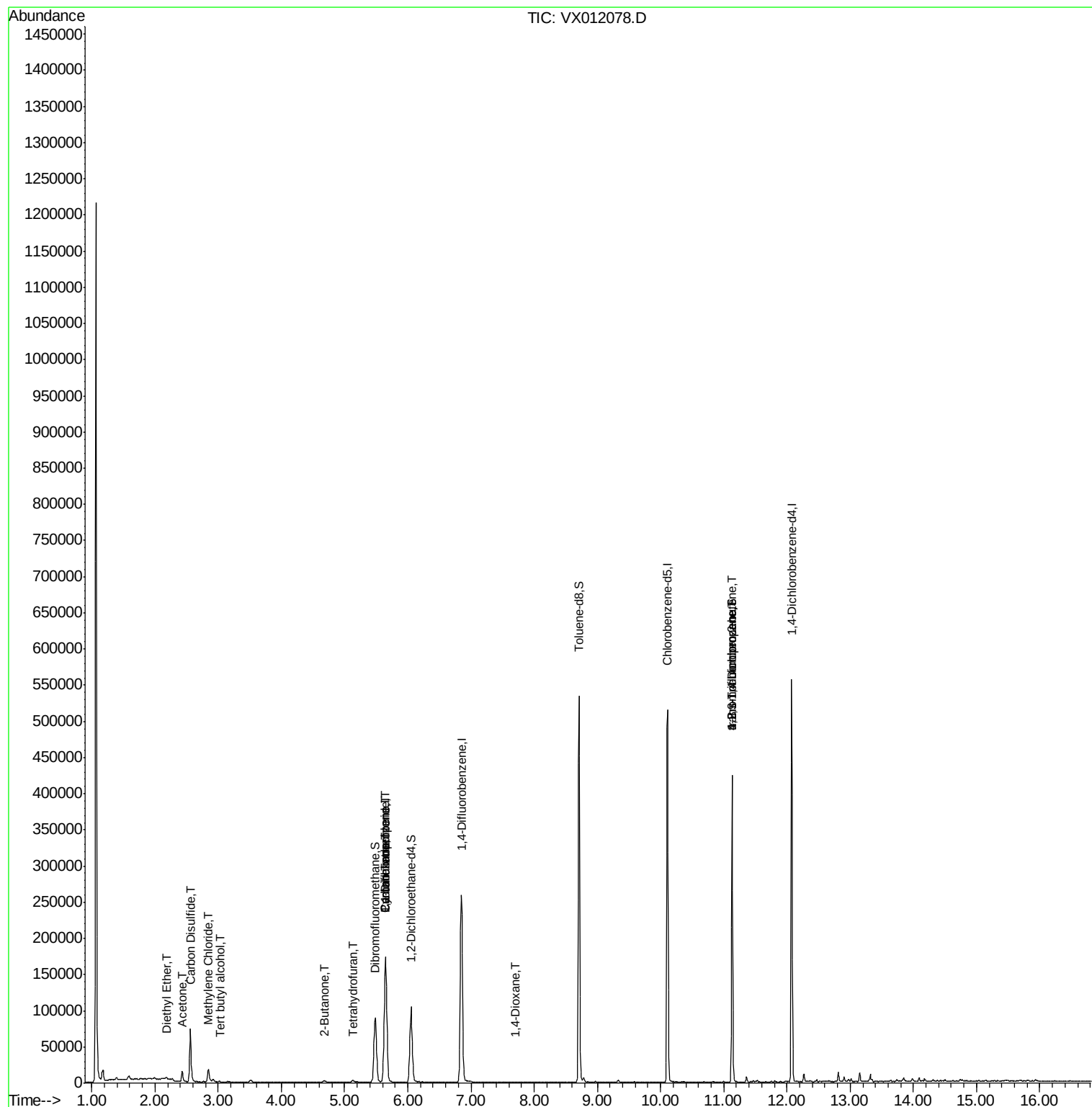
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	254904	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101851	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	103583	51.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.52%	
35) Dibromofluoromethane	5.48	113	76277	48.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.32%	
50) Toluene-d8	8.71	98	301259	52.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	11.14	95	121664	45.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.96%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	845	1.210	ug/l	97
11) Tert butyl alcohol	3.02	59	985	5.075	ug/l #	85
13) Acrolein	2.28	56	518	Below Cal	#	12
16) Acetone	2.43	43	14814	30.669	ug/l	98
17) Carbon Disulfide	2.56	76	92375	21.917	ug/l	98
20) Methylene Chloride	2.84	84	8407	4.334	ug/l #	90
25) 2-Butanone	4.68	43	1824	2.967	ug/l	93
29) Tetrahydrofuran	5.12	42	1808	4.881	ug/l #	82
31) Cyclohexane	5.64	56	4026	1.625	ug/l #	5
36) 1,1-Dichloropropene	5.64	75	13367	5.954	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17312	7.318	ug/l #	13
49) 1,4-Dioxane	7.71	88	23	1.352	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	63999	51.427	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	63999	121.581	ug/l #	10

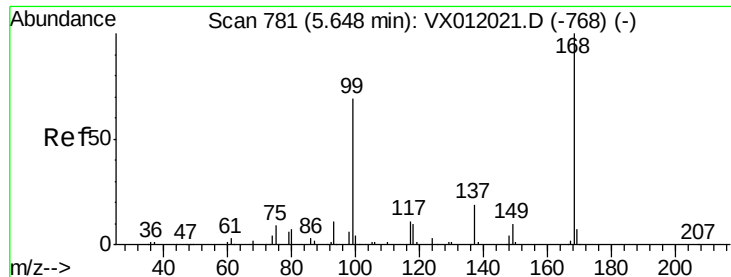
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
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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: VX012078.D

Acq: 05 Sep 2019 04:17

Instrument :

MSVOA_X

ClientSampleId :

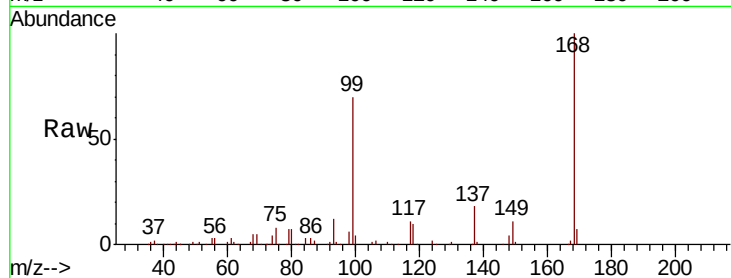
SB-3-25-27

Tgt Ion:168 Resp: 146460

Ion Ratio Lower Upper

168 100

99 70.3 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX012021.D (-768) (-)

Ion 98.90 (98.60 to 99.60): VX012021.D (-768) (-)

5.65

60000

50000

40000

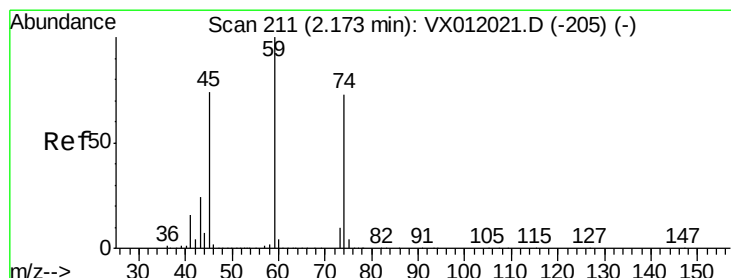
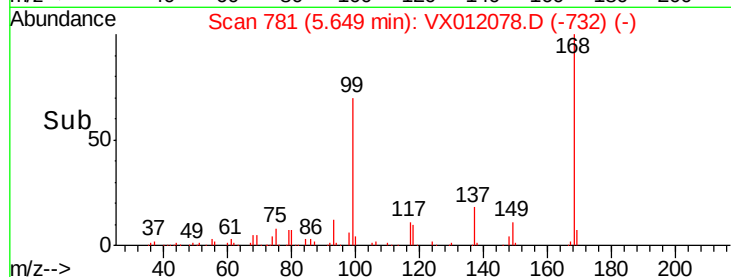
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 1.210 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012078.D

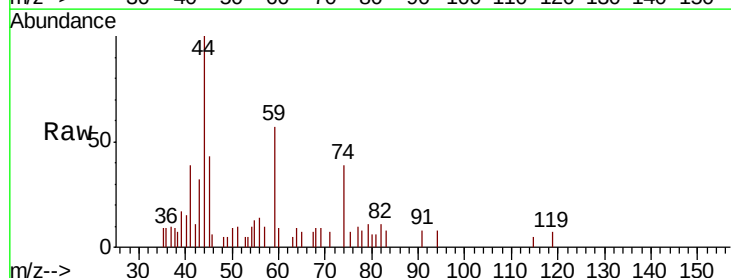
Acq: 05 Sep 2019 04:17

Tgt Ion: 74 Resp: 845

Ion Ratio Lower Upper

74 100

45 94.7 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX012021.D (-205) (-)

Ion 45.00 (44.70 to 45.70): VX012021.D (-205) (-)

2.17

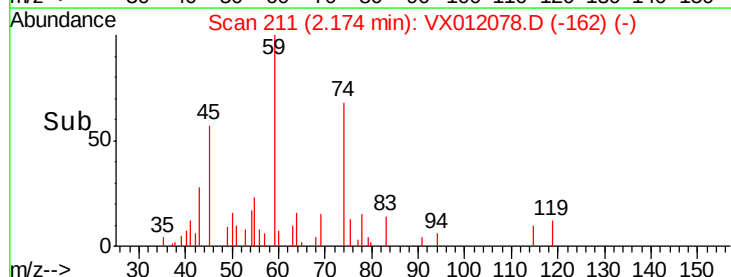
600

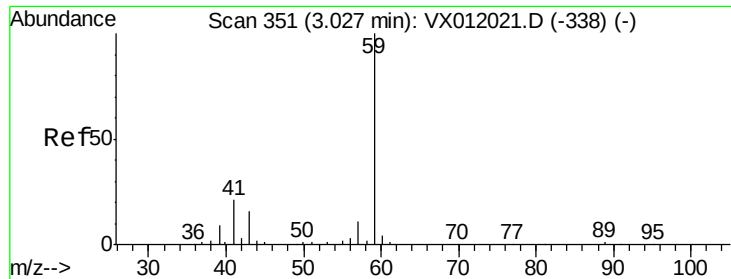
400

200

0

Time-->

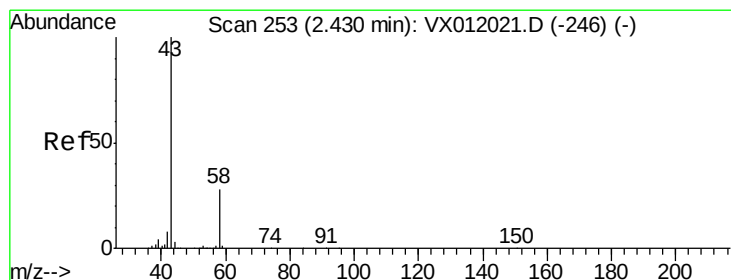
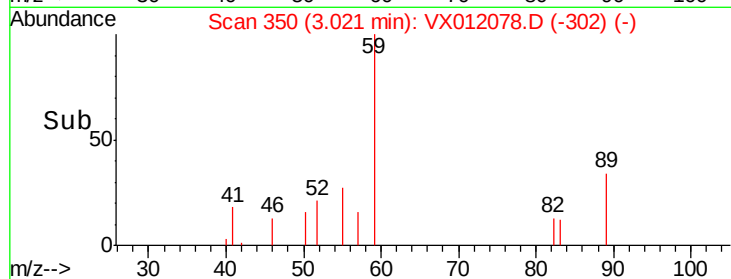
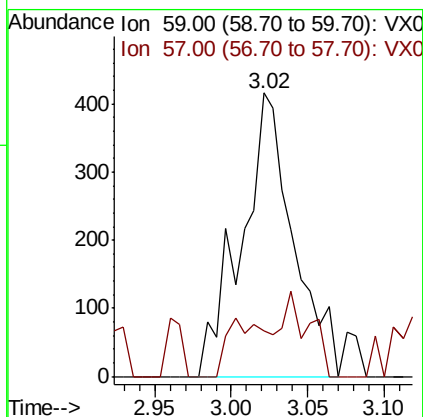
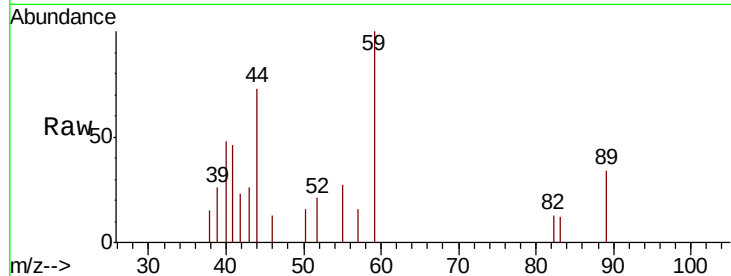




#11
Tert butyl alcohol
Concen: 5.075 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012078.D
Acq: 05 Sep 2019 04:17

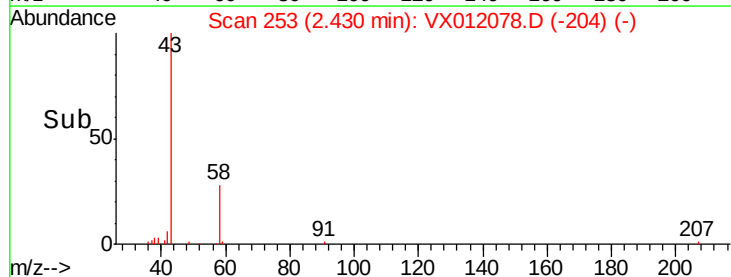
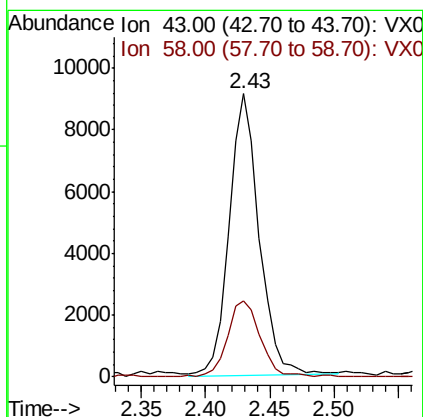
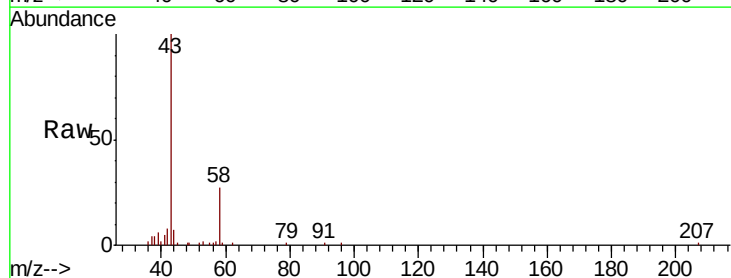
Instrument :
MSVOA_X
ClientSampleId :
SB-3-25-27

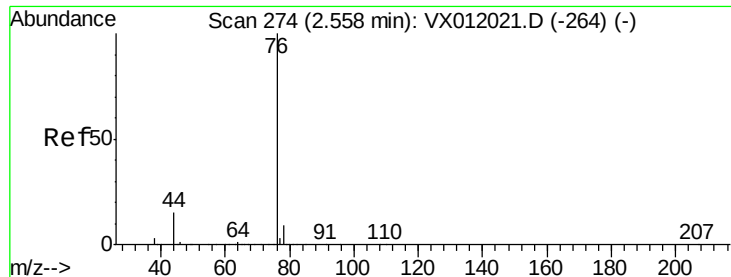
Tgt Ion: 59 Resp: 985
Ion Ratio Lower Upper
59 100
57 15.3 7.9 11.9#



#16
Acetone
Concen: 30.669 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012078.D
Acq: 05 Sep 2019 04:17

Tgt Ion: 43 Resp: 14814
Ion Ratio Lower Upper
43 100
58 27.3 22.8 34.2





#17

Carbon Disulfide

Concen: 21.917 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012078.D

Acq: 05 Sep 2019 04:17

Instrument :

MSVOA_X

ClientSampleId :

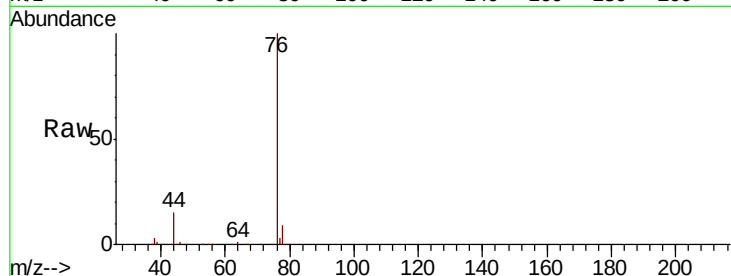
SB-3-25-27

Tgt Ion: 76 Resp: 92375

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX012021.D (-264) (-)

Ion 77.90 (77.60 to 78.60): VX012021.D (-264) (-)

2.56

60000

50000

40000

30000

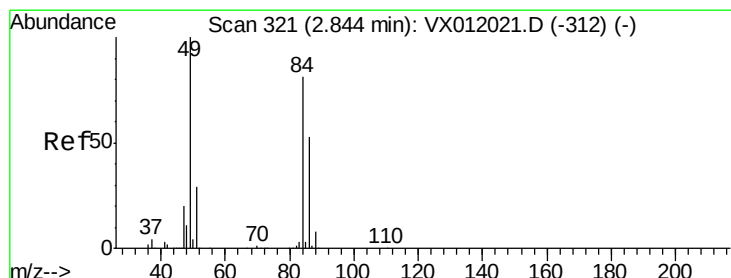
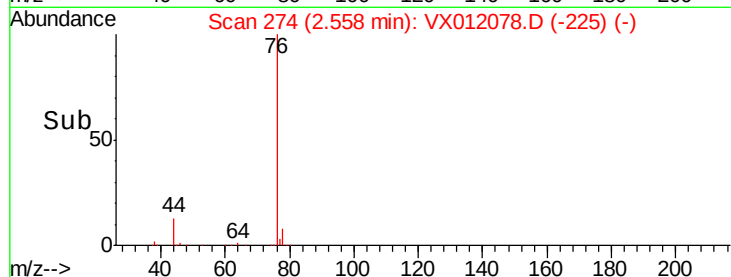
20000

10000

0

Time-->

2.50 2.60 2.70



#20

Methylene Chloride

Concen: 4.334 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012078.D

Acq: 05 Sep 2019 04:17

Tgt Ion: 84 Resp: 8407

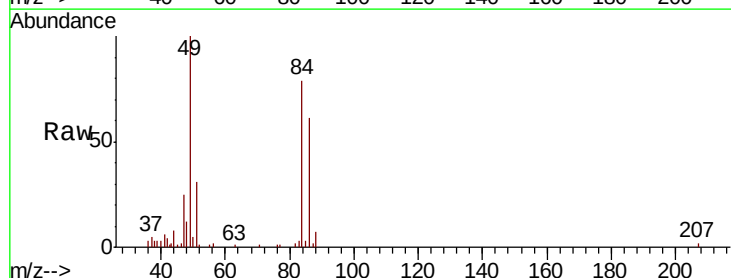
Ion Ratio Lower Upper

84 100

49 127.2 95.8 143.8

51 39.7 28.6 43.0

86 77.6 50.9 76.3#



Abundance Ion 83.90 (83.60 to 84.60): VX012021.D (-312) (-)

Ion 48.90 (48.60 to 49.60): VX012021.D (-312) (-)

Ion 50.90 (50.60 to 51.60): VX012021.D (-312) (-)

Ion 85.90 (85.60 to 86.60): VX012021.D (-312) (-)

8000

6000

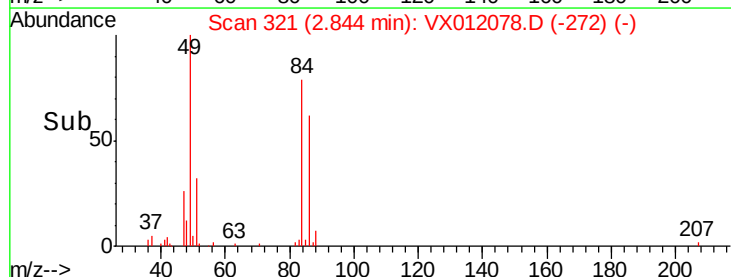
4000

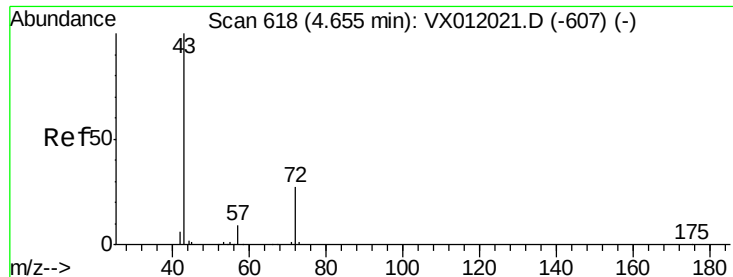
2000

0

Time-->

2.75 2.80 2.85 2.90 2.95





#25

2-Butanone

Concen: 2.967 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX012078.D

Acq: 05 Sep 2019 04:17

Instrument :

MSVOA_X

ClientSampled :

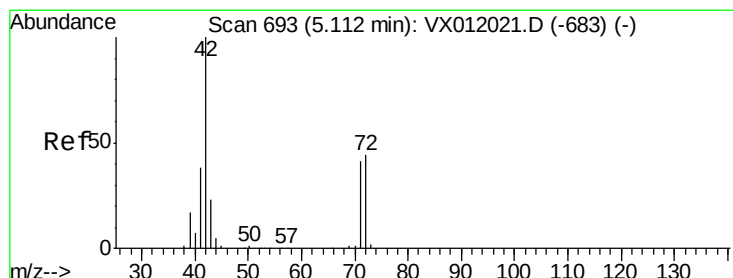
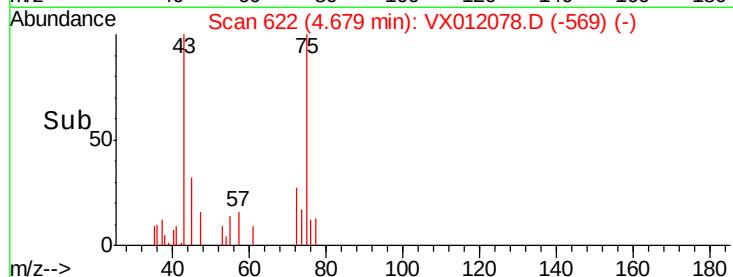
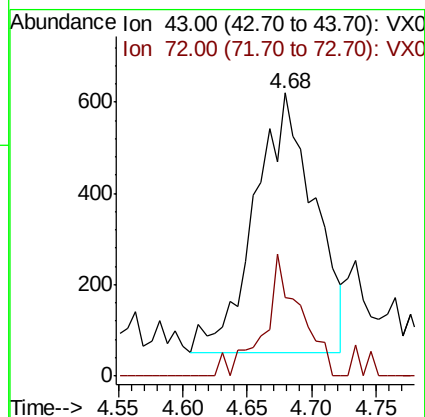
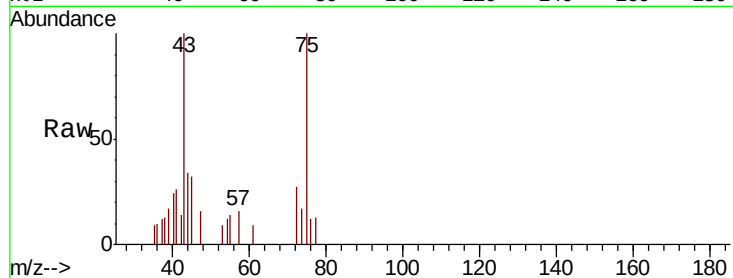
SB-3-25-27

Tgt Ion: 43 Resp: 1824

Ion Ratio Lower Upper

43 100

72 30.1 21.3 31.9



#29

Tetrahydrofuran

Concen: 4.881 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012078.D

Acq: 05 Sep 2019 04:17

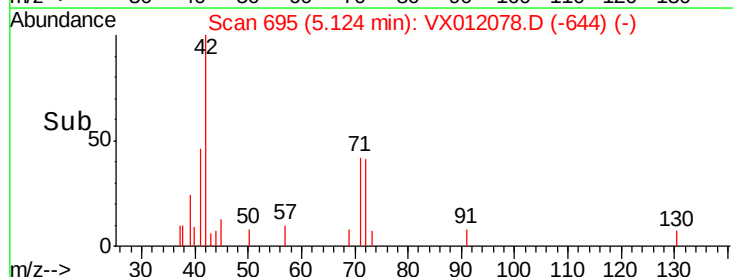
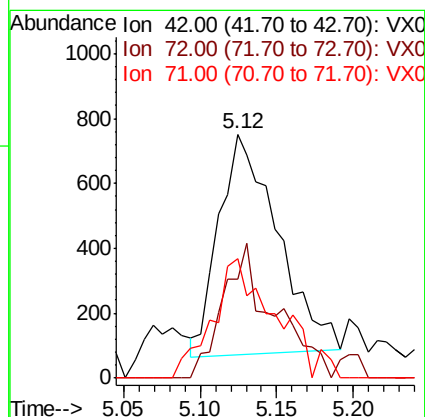
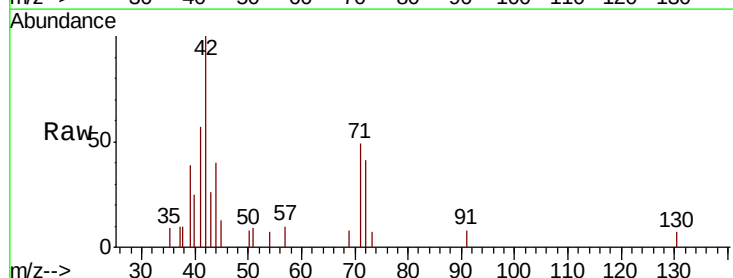
Tgt Ion: 42 Resp: 1808

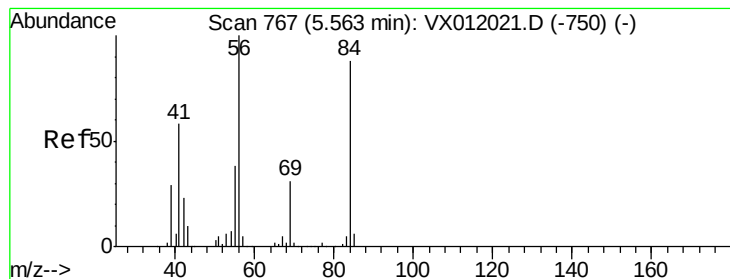
Ion Ratio Lower Upper

42 100

72 53.2 37.0 55.4

71 58.2 33.8 50.8#





#31

Cyclohexane

Concen: 1.625 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012078.D

Acq: 05 Sep 2019 04:17

Instrument :

MSVOA_X

ClientSampleId :

SB-3-25-27

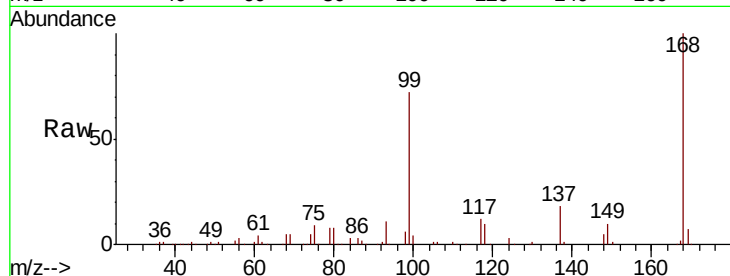
Tgt Ion: 56 Resp: 4026

Ion Ratio Lower Upper

56 100

69 176.8 25.7 38.5#

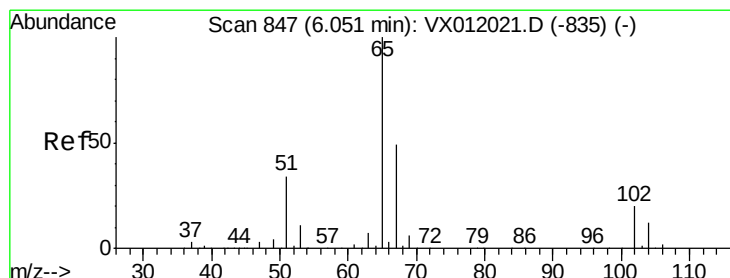
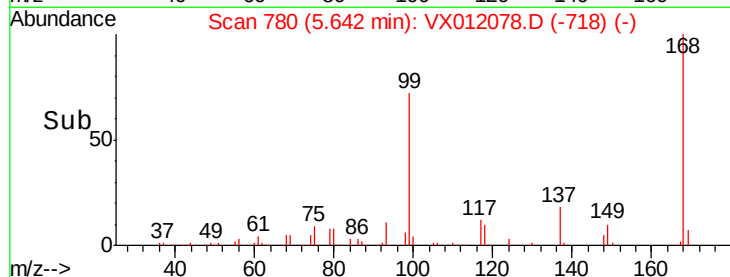
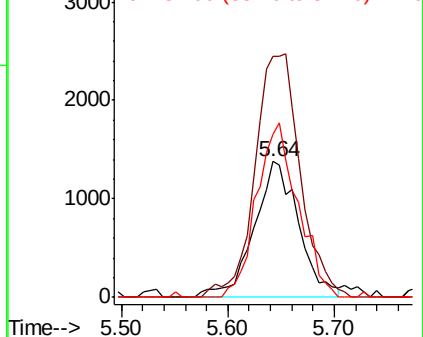
84 120.2 70.3 105.5#



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: 51.257 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012078.D

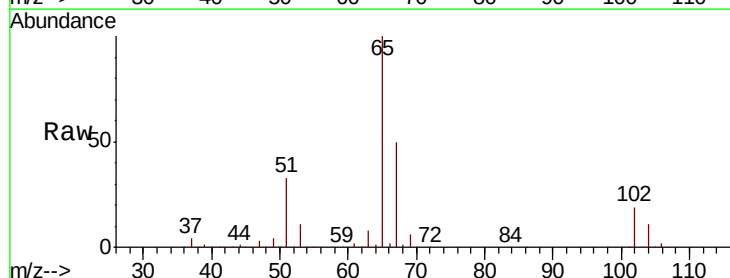
Acq: 05 Sep 2019 04:17

Tgt Ion: 65 Resp: 103583

Ion Ratio Lower Upper

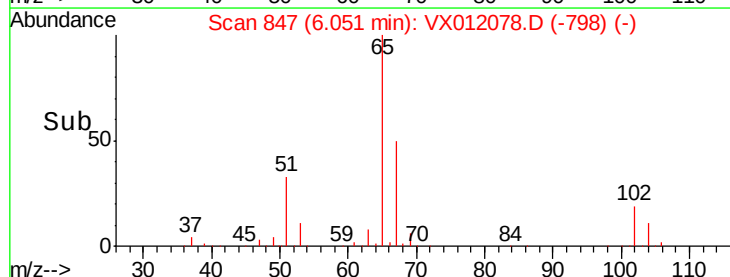
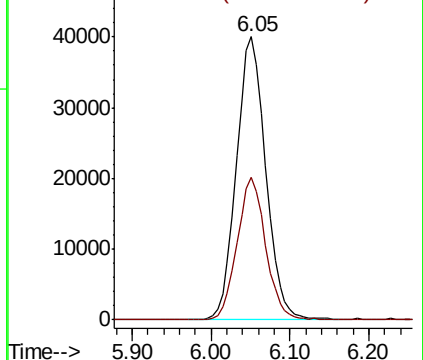
65 100

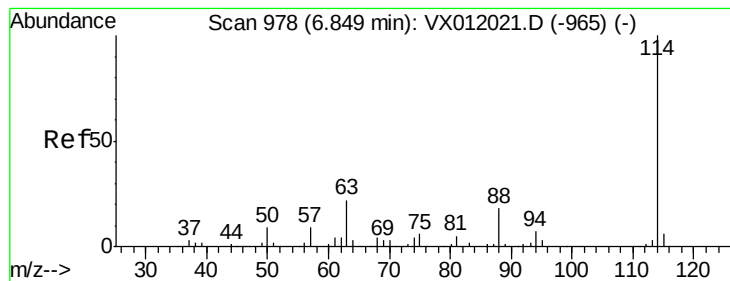
67 49.3 0.0 102.0



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: VX012078.D

Acq: 05 Sep 2019 04:17

Instrument :

MSVOA_X

ClientSampled :

SB-3-25-27

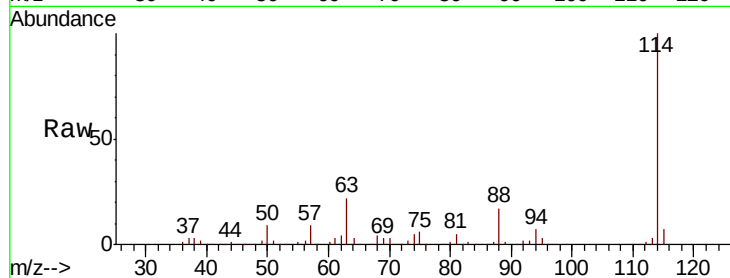
Tgt Ion:114 Resp: 254904

Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.4

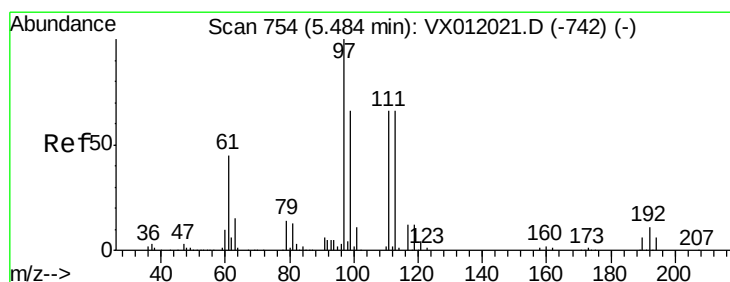
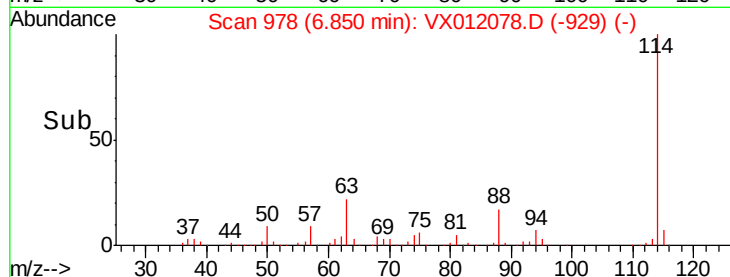
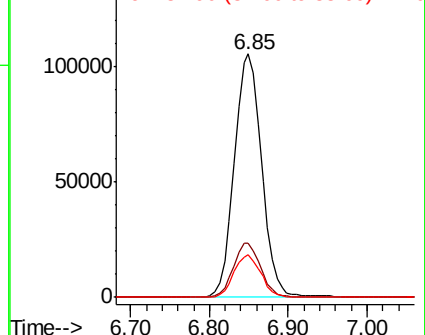
88 17.3 0.0 29.6



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: 48.659 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012078.D

Acq: 05 Sep 2019 04:17

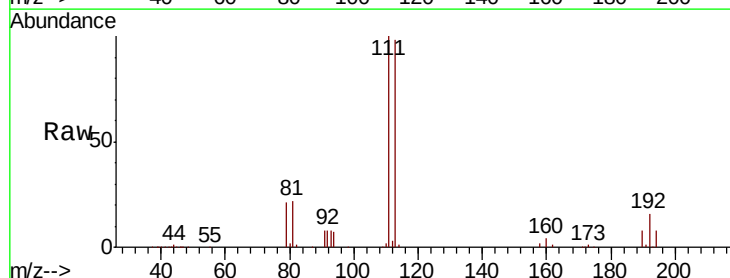
Tgt Ion:113 Resp: 76277

Ion Ratio Lower Upper

113 100

111 103.2 81.7 122.5

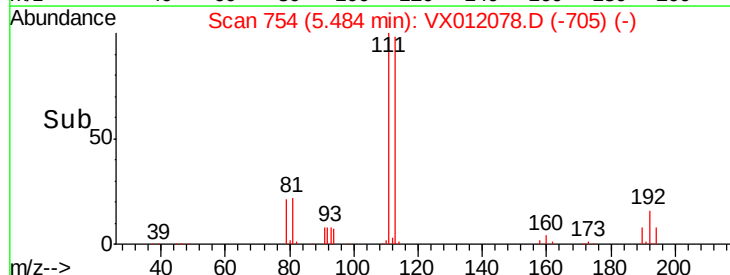
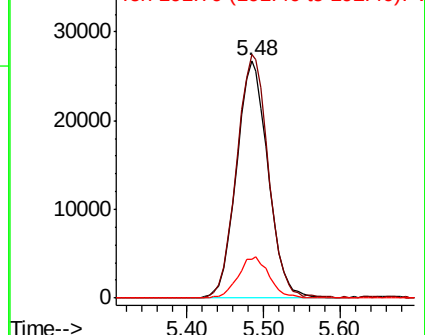
192 17.1 22.5 33.7#

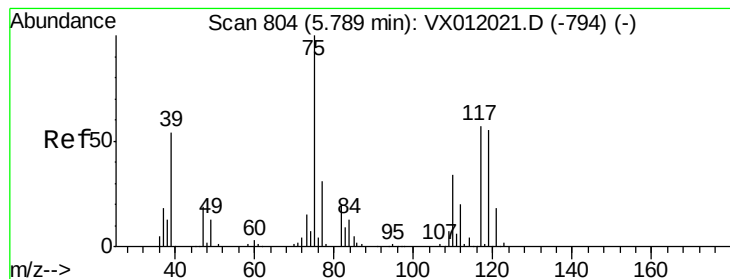


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.954 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012078.D

Acq: 05 Sep 2019 04:17

Instrument :

MSVOA_X

ClientSampleId :

SB-3-25-27

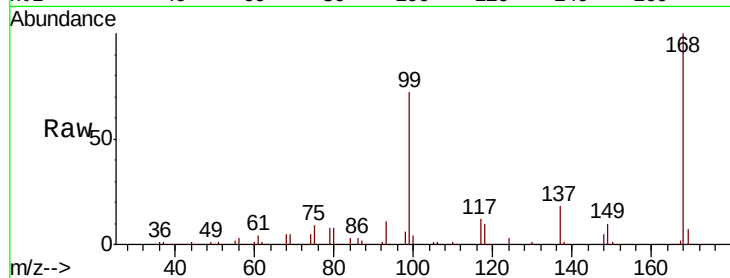
Tgt Ion: 75 Resp: 13367

Ion Ratio Lower Upper

75 100

110 9.9 19.5 58.5#

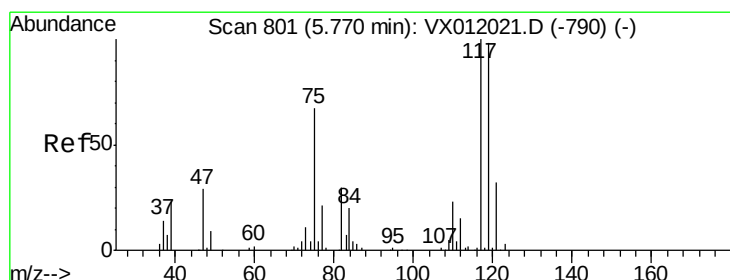
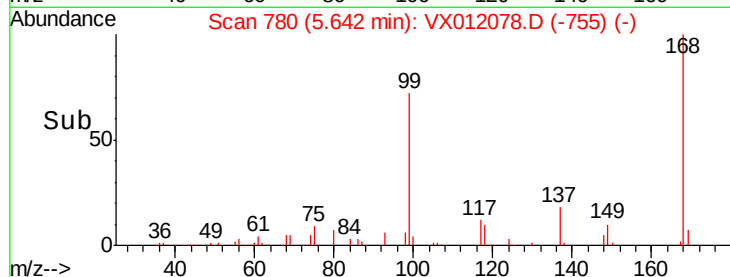
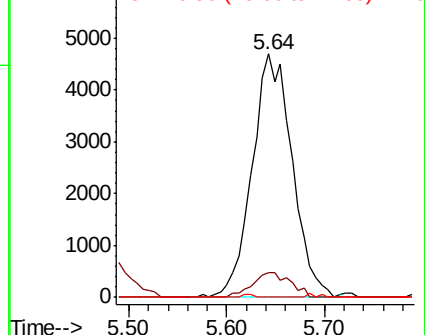
77 0.0 24.6 37.0#



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: 7.318 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012078.D

Acq: 05 Sep 2019 04:17

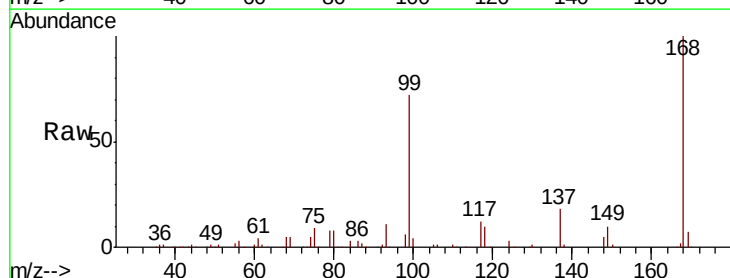
Tgt Ion: 117 Resp: 17312

Ion Ratio Lower Upper

117 100

119 2.6 78.3 117.5#

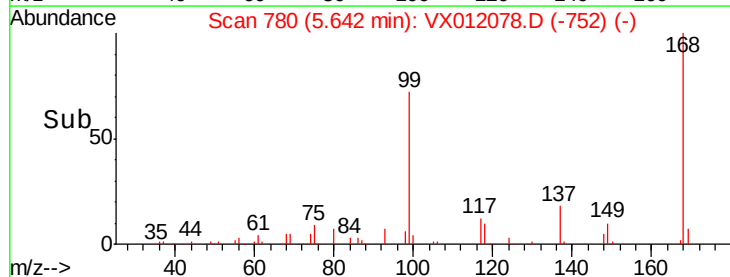
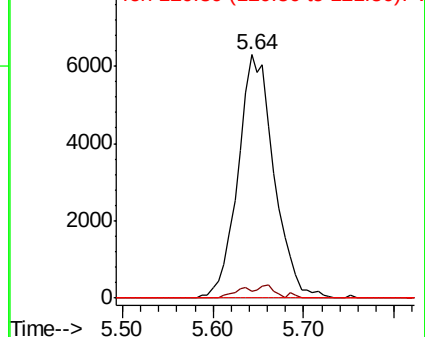
121 0.0 24.2 36.2#

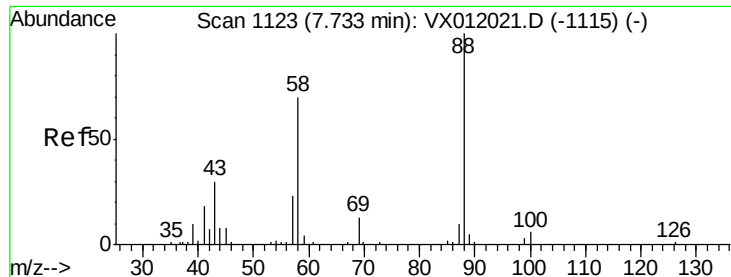


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

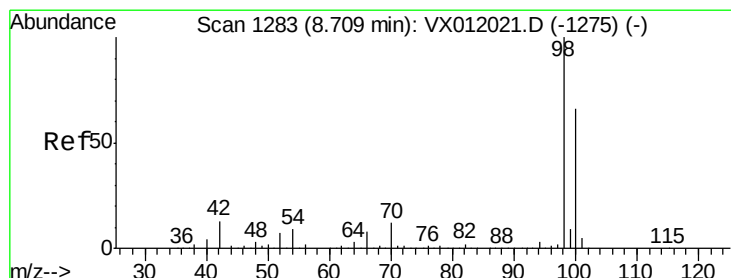
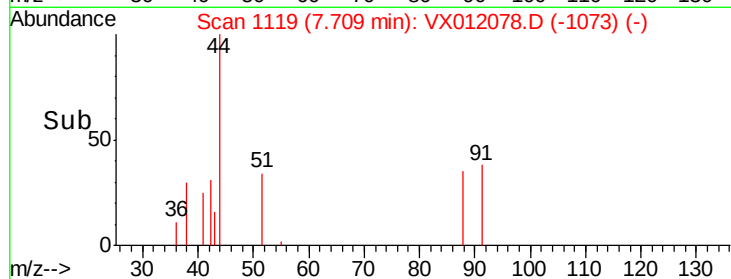
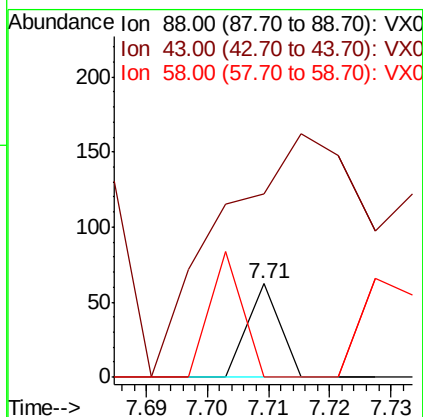
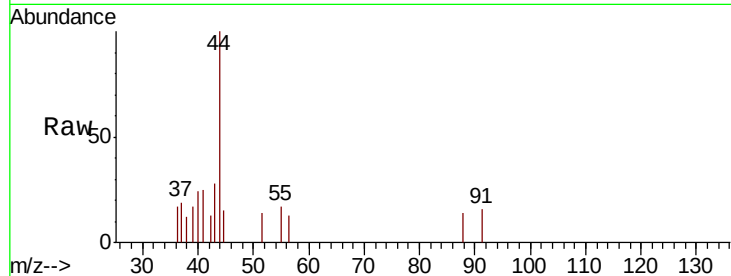




#49
1,4-Dioxane
Concen: 1.352 ug/l
RT: 7.71 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VX012078.D
Acq: 05 Sep 2019 04:17

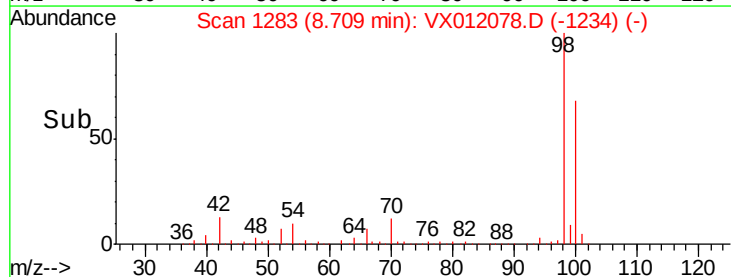
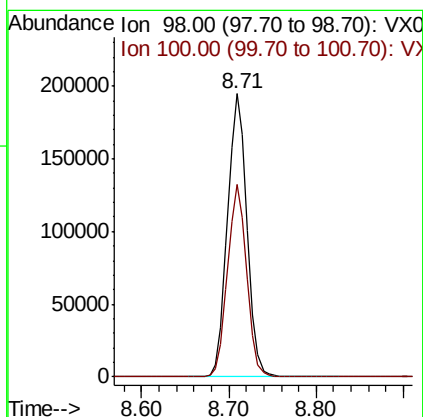
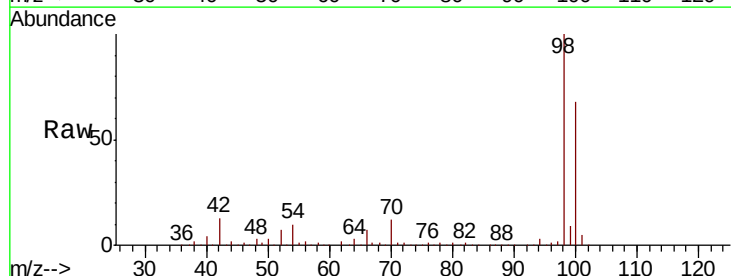
Instrument :
MSVOA_X
ClientSampled :
SB-3-25-27

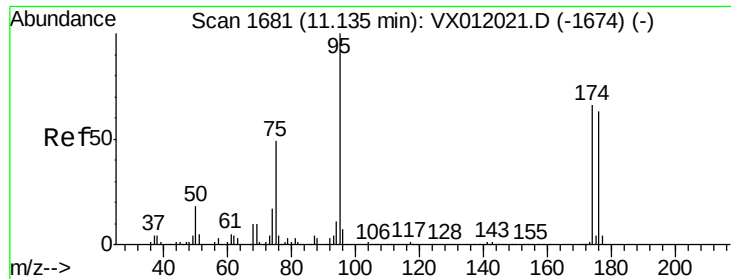
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 1421.7 29.8 44.6#
58 134.8 55.4 83.2#



#50
Toluene-d8
Concen: 52.372 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012078.D
Acq: 05 Sep 2019 04:17

Tgt Ion: 98 Resp: 301259
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 45.479 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012078.D

Acq: 05 Sep 2019 04:17

Instrument :

MSVOA_X

ClientSampleId :

SB-3-25-27

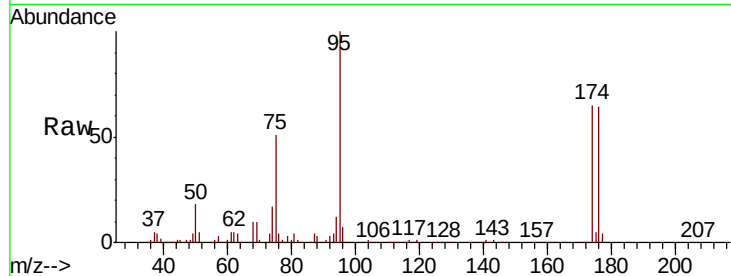
Tgt Ion: 95 Resp: 121664

Ion Ratio Lower Upper

95 100

174 63.7 0.0 205.4

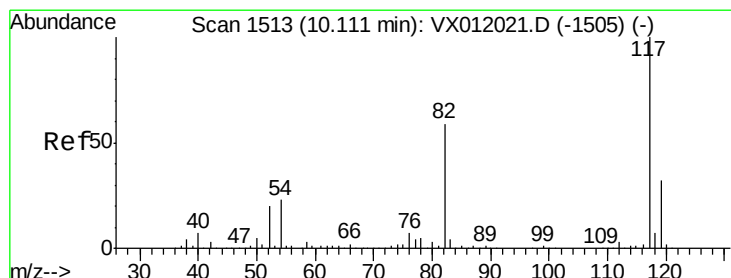
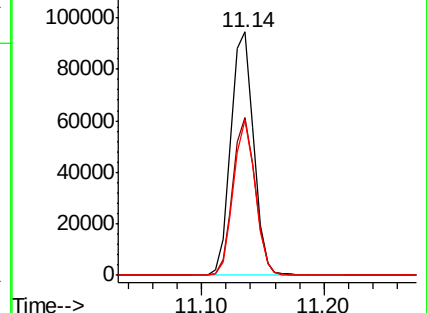
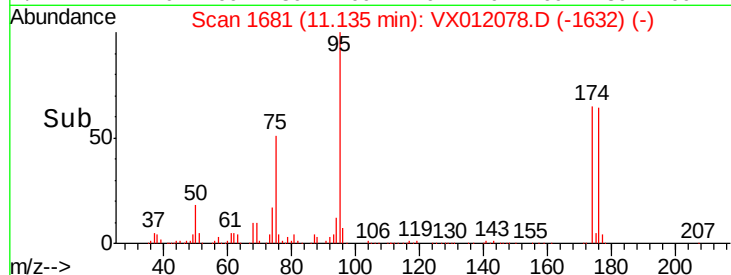
176 61.0 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012078.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012078.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012078.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012078.D

Acq: 05 Sep 2019 04:17

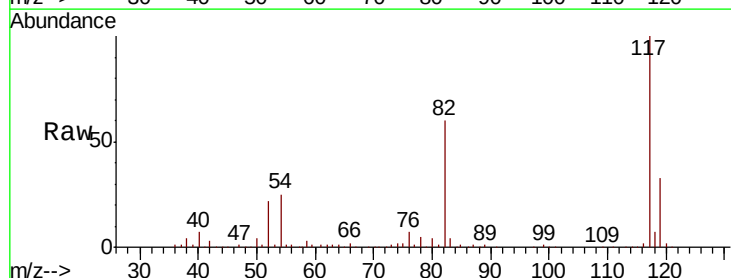
Tgt Ion: 117 Resp: 224442

Ion Ratio Lower Upper

117 100

82 59.9 39.4 59.0#

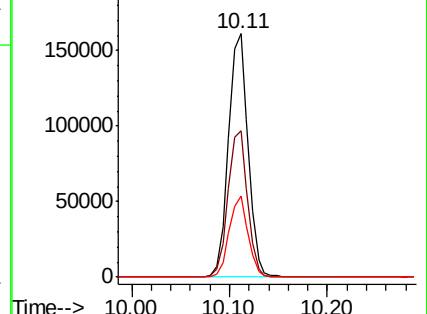
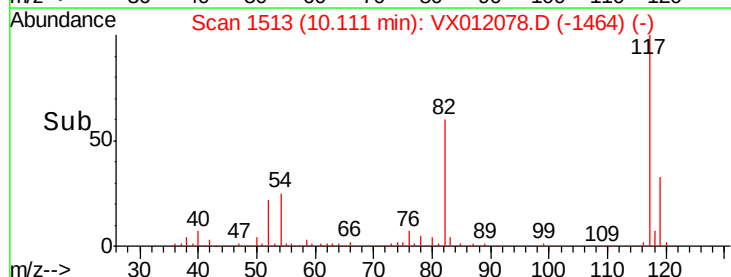
119 33.5 26.1 39.1

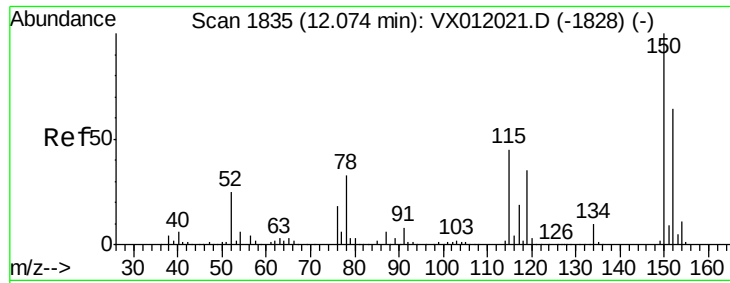


Abundance Ion 116.90 (116.60 to 117.60): VX012078.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012078.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012078.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: VX012078.D

Acq: 05 Sep 2019 04:17

Instrument :

MSVOA_X

ClientSampleId :

SB-3-25-27

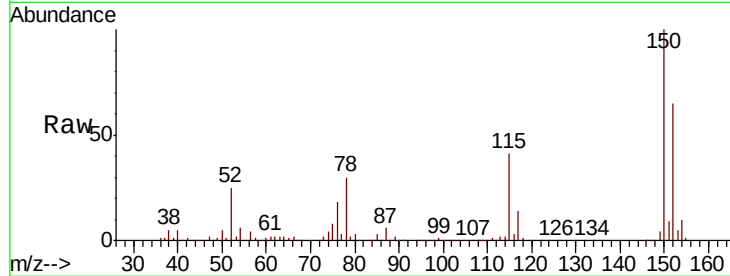
Tgt Ion:152 Resp: 101851

Ion Ratio Lower Upper

152 100

115 65.6 36.4 109.3

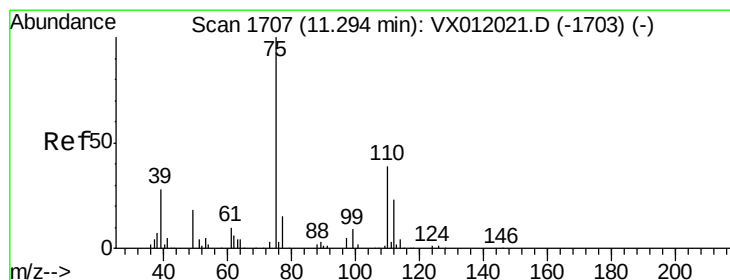
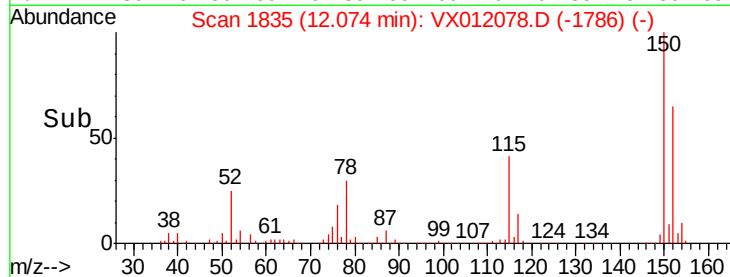
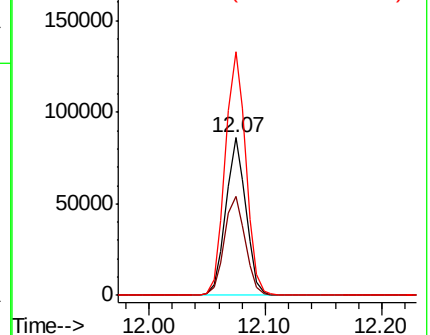
150 159.2 0.0 341.2



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: 51.427 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012078.D

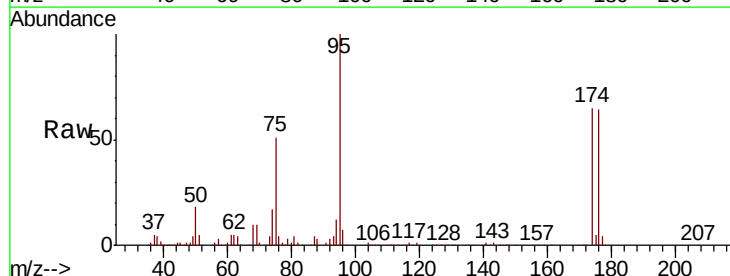
Acq: 05 Sep 2019 04:17

Tgt Ion: 75 Resp: 63999

Ion Ratio Lower Upper

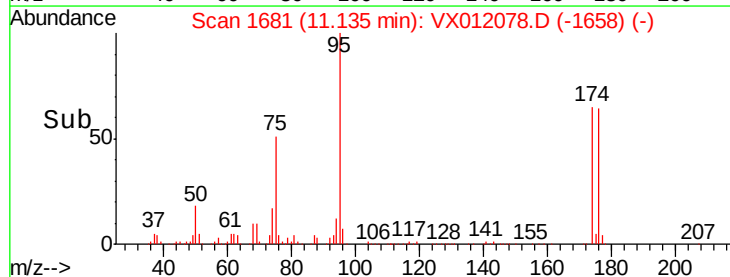
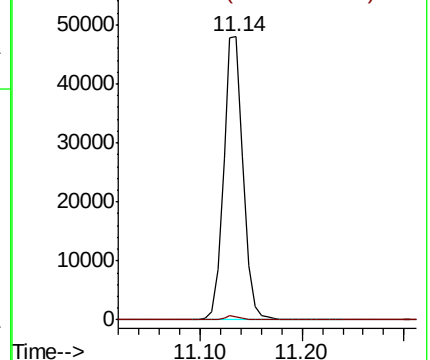
75 100

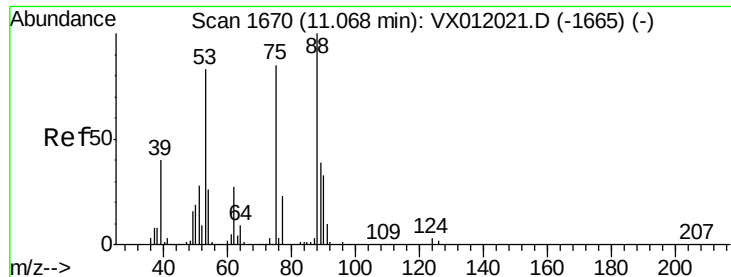
77 1.5 23.5 70.5#



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: 121.581 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012078.D

Acq: 05 Sep 2019 04:17

Instrument :

MSVOA_X

ClientSampleId :

SB-3-25-27

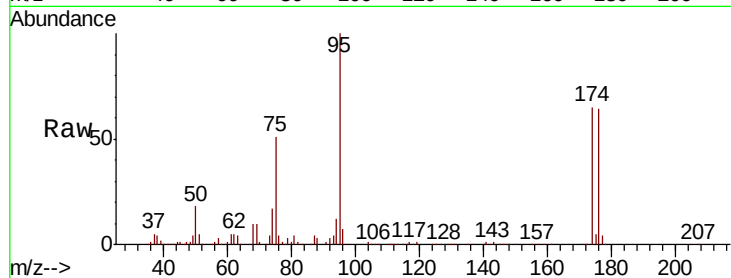
Tgt Ion: 75 Resp: 63999

Ion Ratio Lower Upper

75 100

53 0.1 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

