

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012114.D
 Acq On : 05 Sep 2019 21:22
 Operator : SY/SP
 Sample : K4618-12
 Misc : 5.10g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-4-26-28

Quant Time: Sep 06 05:45:32 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	5.64	168	138504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	236701	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	209021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	91141	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	102807	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	
35) Dibromofluoromethane	5.48	113	71449	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	8.71	98	282919	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	11.13	95	114300	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	

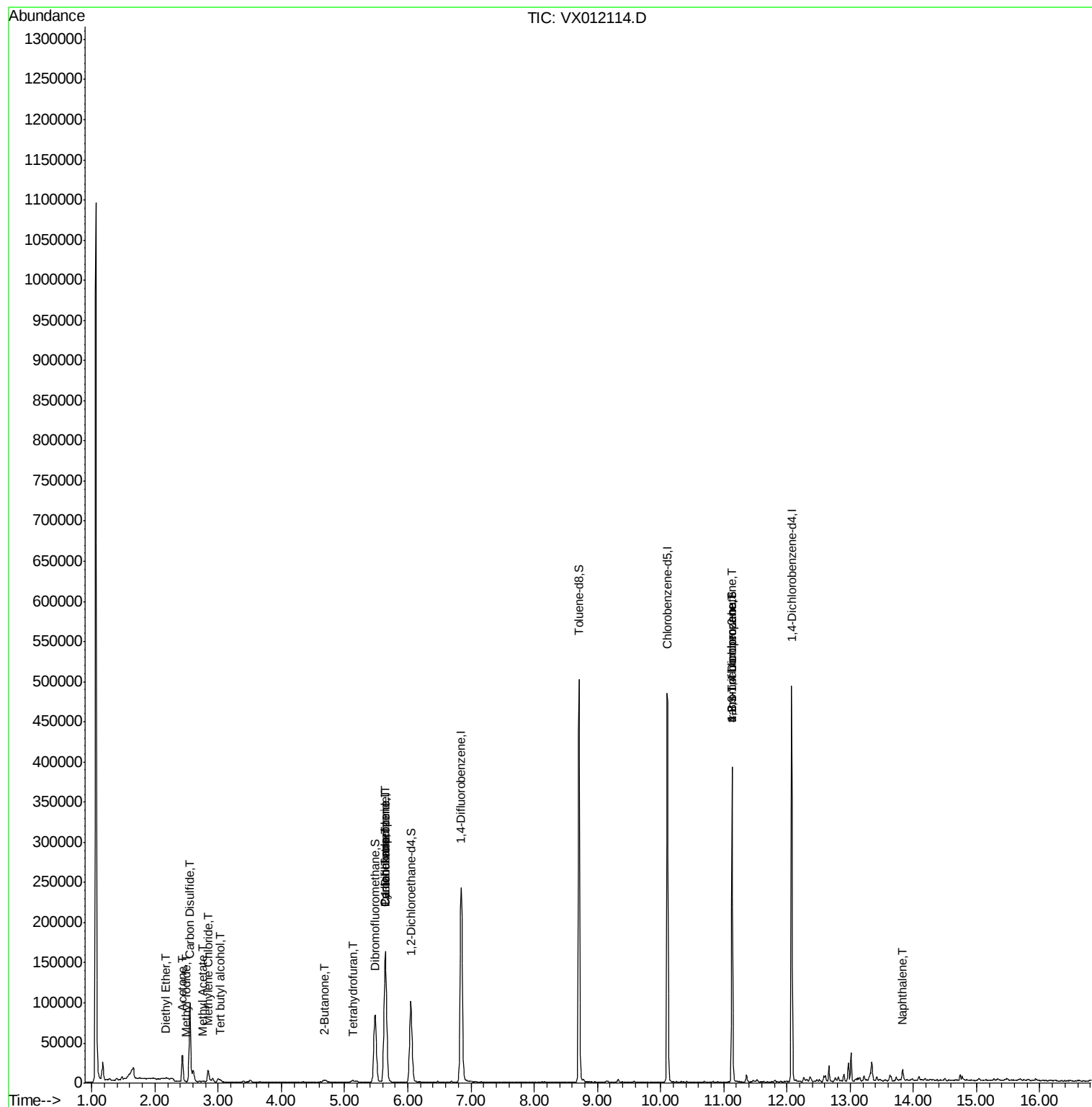
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	748	1.132	ug/l	86
10) Methyl Iodide	2.50	142	200	7.108	ug/l #	40
11) Tert butyl alcohol	3.03	59	2450	13.347	ug/l #	72
13) Acrolein	2.28	56	580	Below Cal		92
16) Acetone	2.44	43	36244	79.345	ug/l	97
17) Carbon Disulfide	2.55	76	130100	32.641	ug/l	98
18) Methyl Acetate	2.76	43	1178	1.095	ug/l #	89
20) Methylene Chloride	2.84	84	7292	3.975	ug/l	96
25) 2-Butanone	4.67	43	2729	4.693	ug/l	94
29) Tetrahydrofuran	5.12	42	1821	5.198	ug/l	88
31) Cyclohexane	5.65	56	3924	1.675	ug/l #	10
36) 1,1-Dichloropropene	5.65	75	12816	6.148	ug/l #	45
38) Carbon Tetrachloride	5.65	117	16460	7.493	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	59863	53.756	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	59863	127.088	ug/l #	10
95) Naphthalene	13.83	128	6932	1.667	ug/l	96

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

Instrument :

MSVOA_X

ClientSampled :

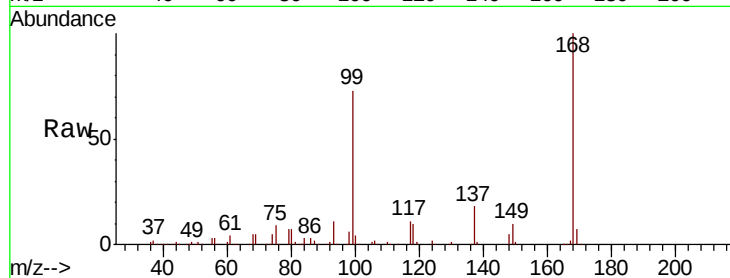
SB-4-26-28

Tgt Ion:168 Resp: 138504

Ion Ratio Lower Upper

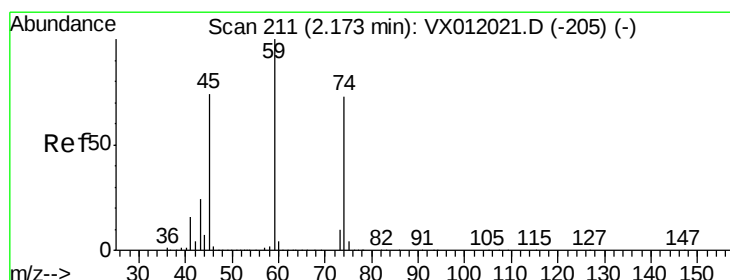
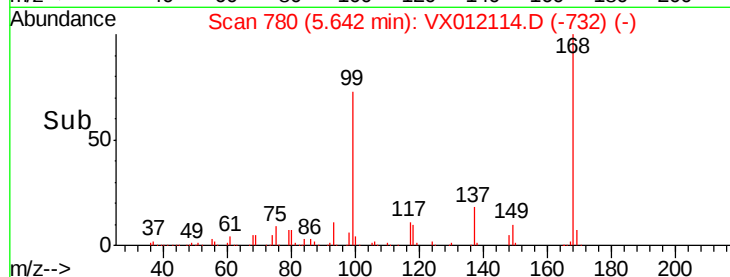
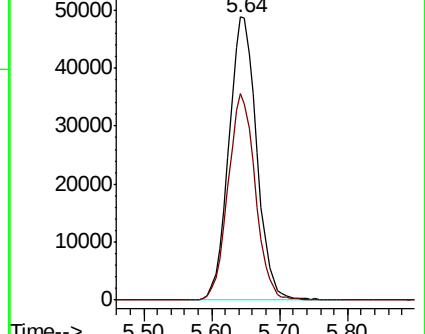
168 100

99 72.7 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: 1.132 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012114.D

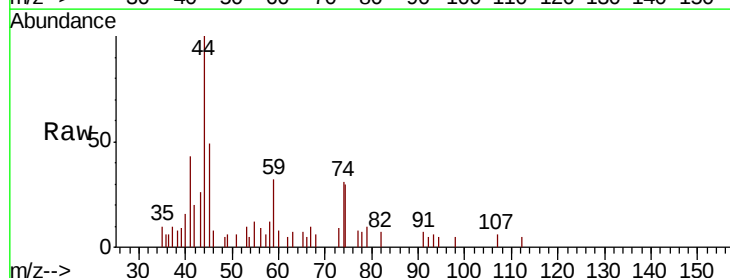
Acq: 05 Sep 2019 21:22

Tgt Ion: 74 Resp: 748

Ion Ratio Lower Upper

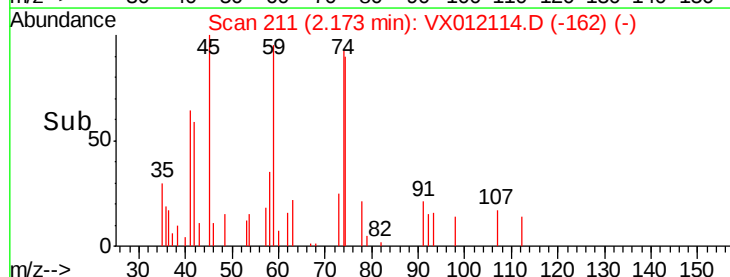
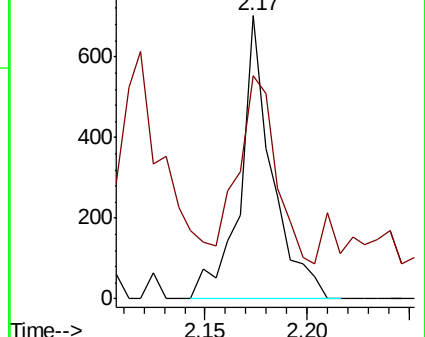
74 100

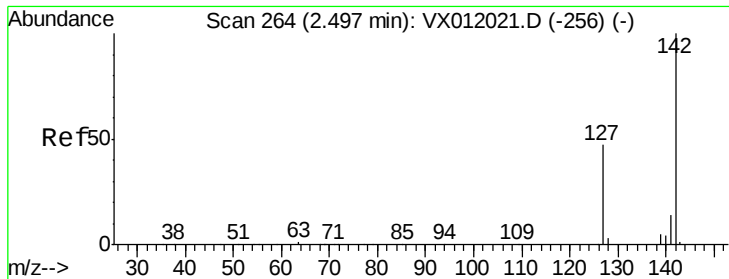
45 78.7 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

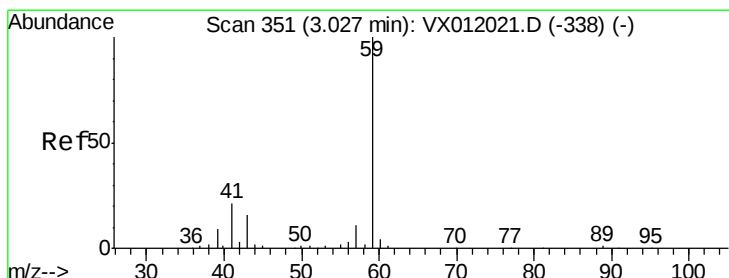
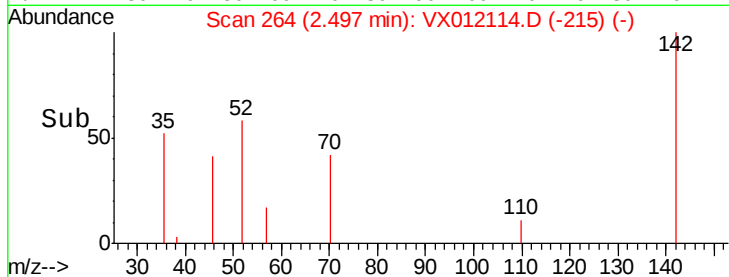
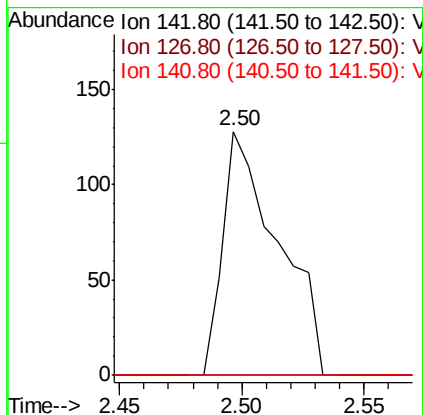
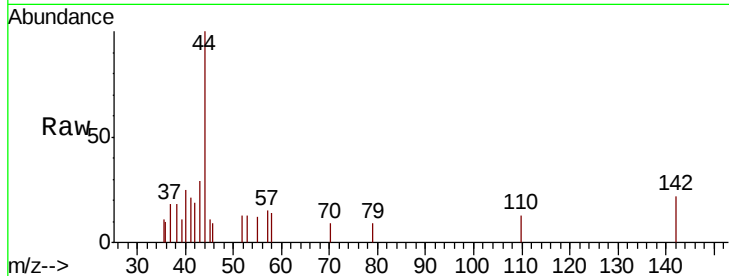




#10
Methyl Iodide
Concen: 7.108 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012114.D
Acq: 05 Sep 2019 21:22

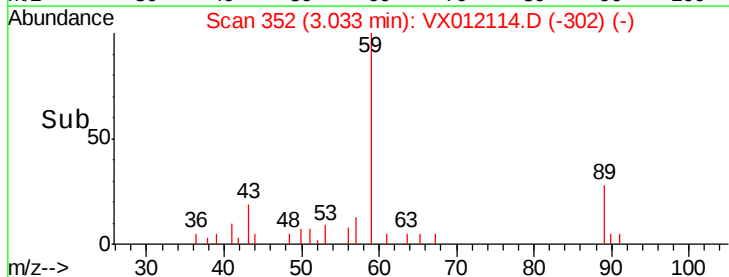
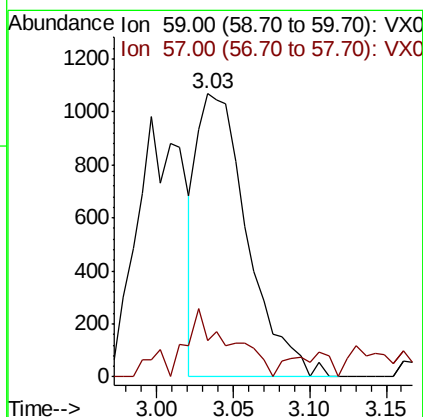
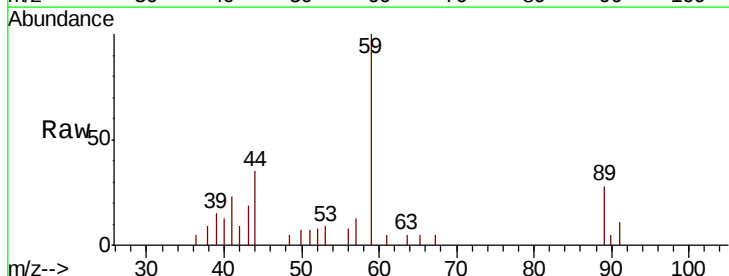
Instrument :
MSVOA_X
ClientSampled :
SB-4-26-28

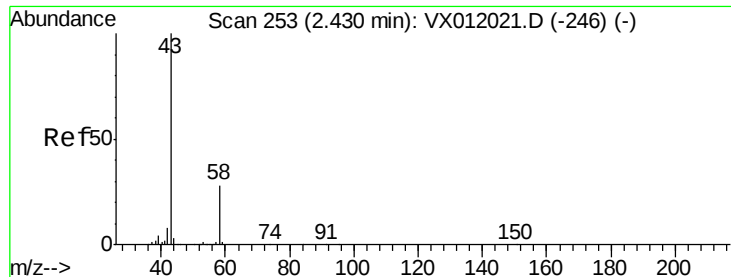
Tgt Ion: 142 Resp: 200
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 13.347 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012114.D
Acq: 05 Sep 2019 21:22

Tgt Ion: 59 Resp: 2450
Ion Ratio Lower Upper
59 100
57 20.2 7.9 11.9#





#16

Acetone

Concen: 79.345 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

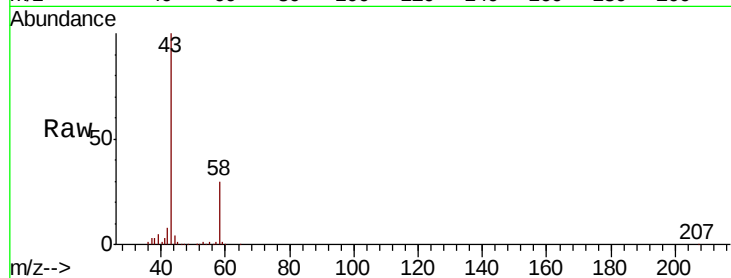
SB-4-26-28

Tgt Ion: 43 Resp: 36244

Ion Ratio Lower Upper

43 100

58 30.3 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

20000

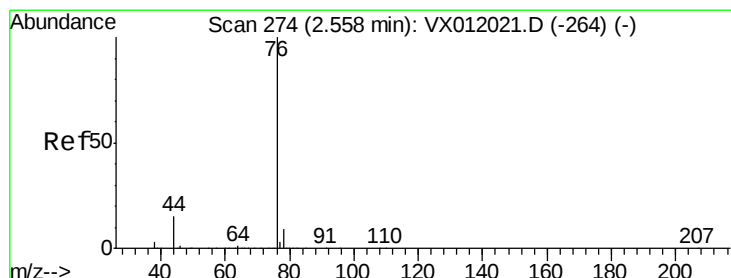
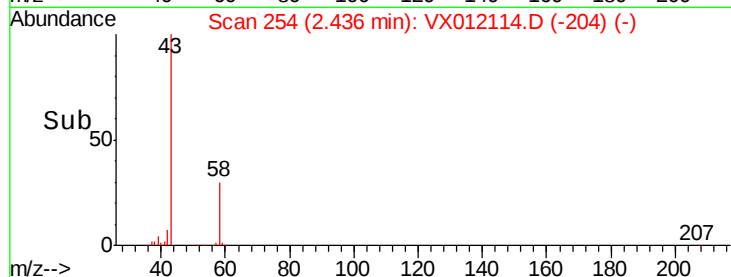
15000

10000

5000

0

Time-->



#17

Carbon Disulfide

Concen: 32.641 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012114.D

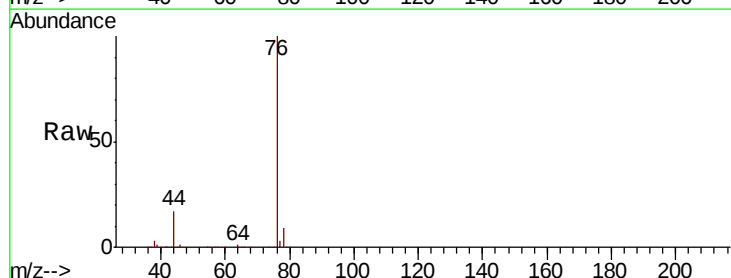
Acq: 05 Sep 2019 21:22

Tgt Ion: 76 Resp: 130100

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

80000

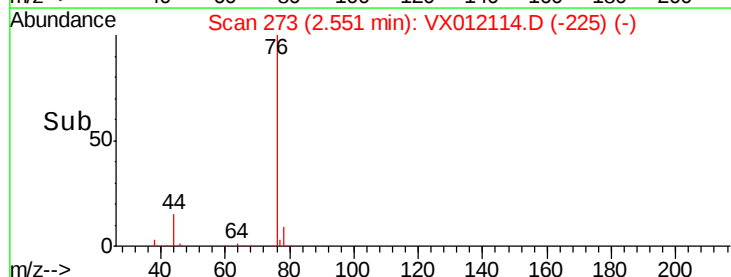
60000

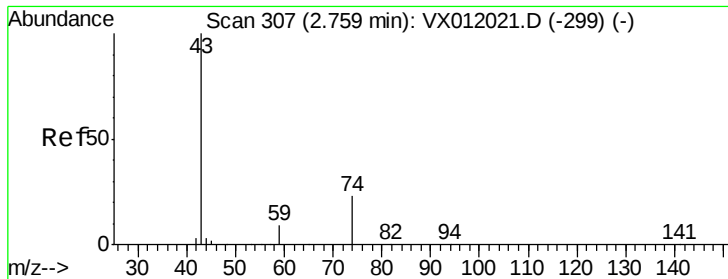
40000

20000

0

Time-->

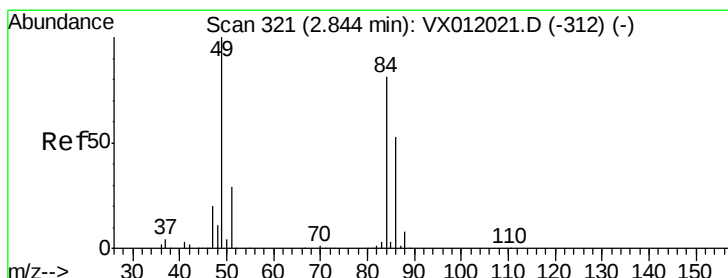
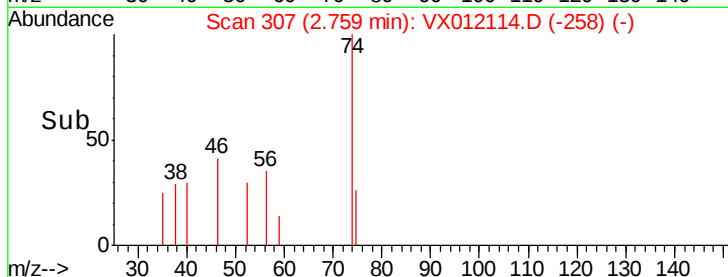
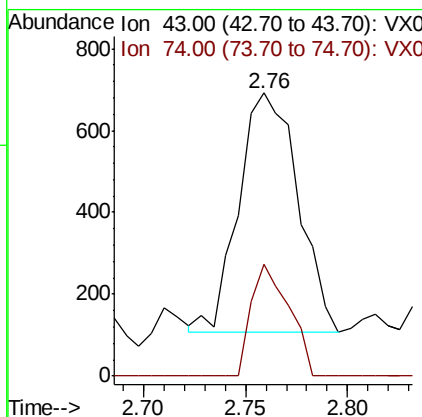
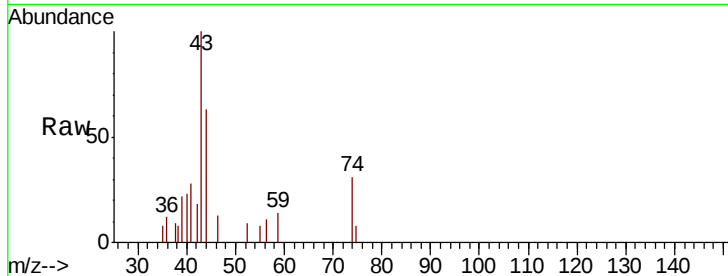




#18
Methyl Acetate
Concen: 1.095 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012114.D
Acq: 05 Sep 2019 21:22

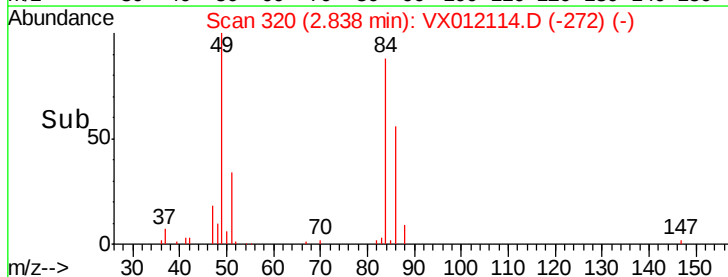
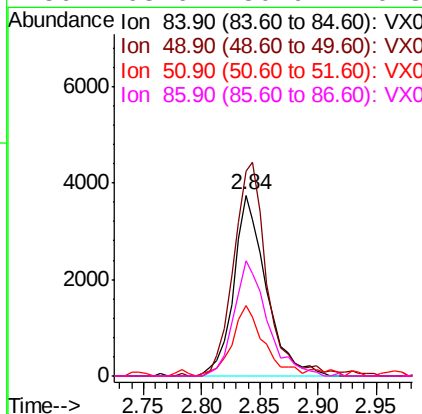
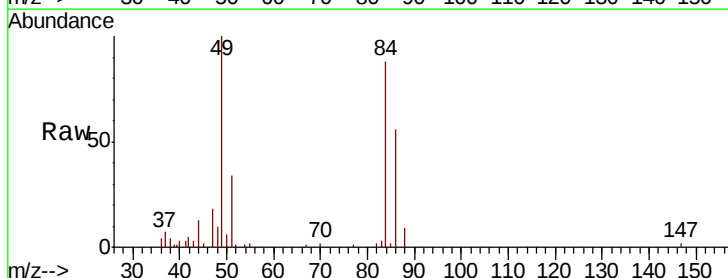
Instrument :
MSVOA_X
ClientSampleId :
SB-4-26-28

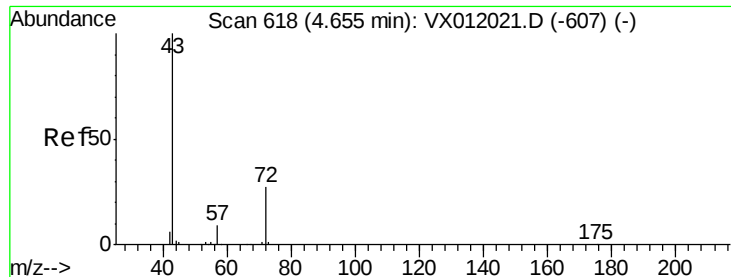
Tgt Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
74 30.0 19.5 29.3#



#20
Methylene Chloride
Concen: 3.975 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012114.D
Acq: 05 Sep 2019 21:22

Tgt Ion: 84 Resp: 7292
Ion Ratio Lower Upper
84 100
49 113.2 95.8 143.8
51 37.3 28.6 43.0
86 63.6 50.9 76.3





#25

2-Butanone

Concen: 4.693 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

Instrument :

MSVOA_X

ClientSampled :

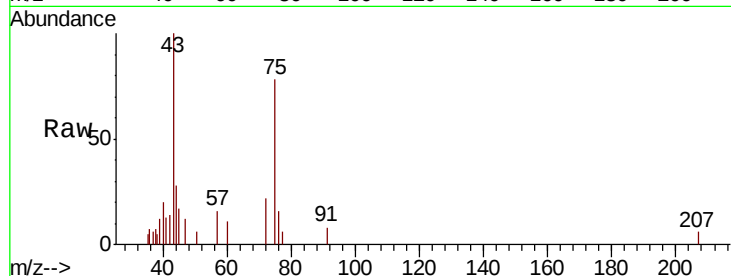
SB-4-26-28

Tgt Ion: 43 Resp: 2729

Ion Ratio Lower Upper

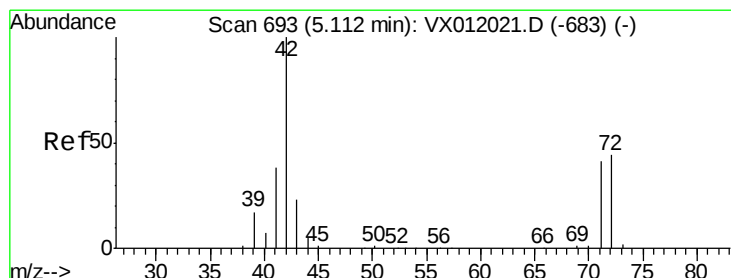
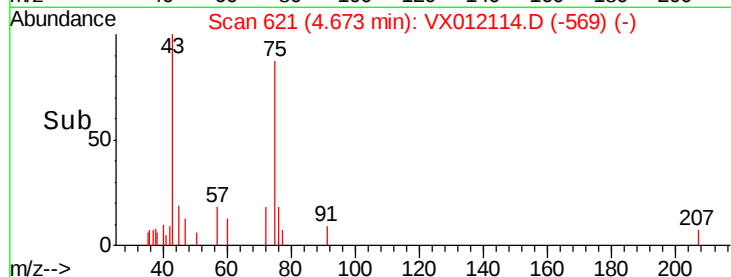
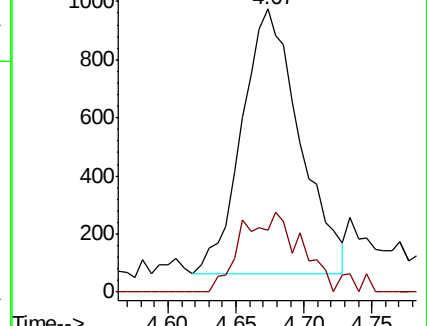
43 100

72 23.6 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: 5.198 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

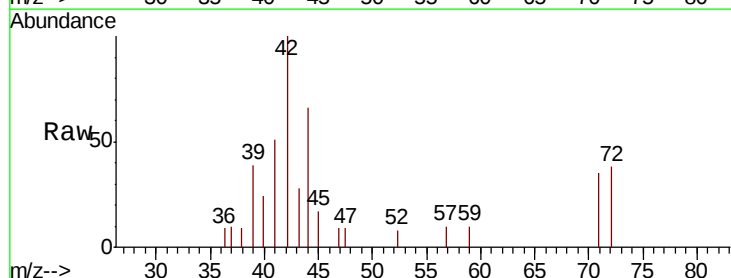
Tgt Ion: 42 Resp: 1821

Ion Ratio Lower Upper

42 100

72 54.7 37.0 55.4

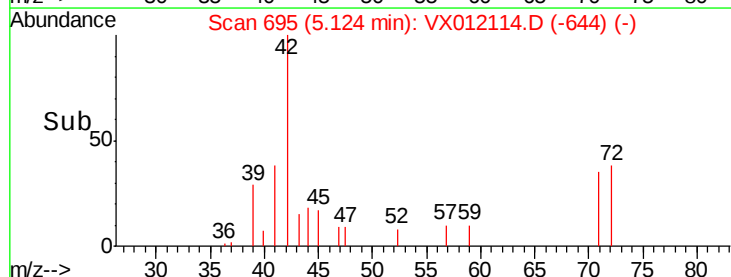
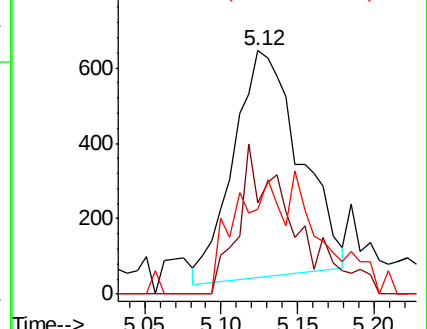
71 35.9 33.8 50.8

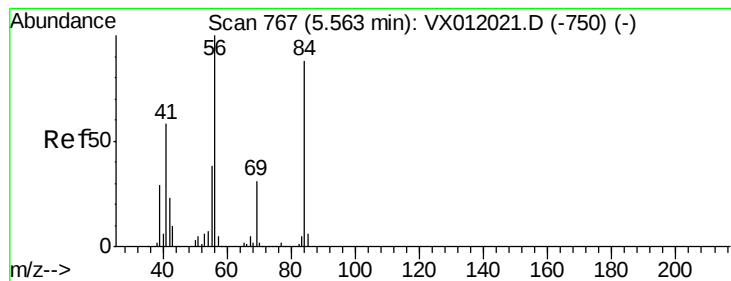


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.675 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

SB-4-26-28

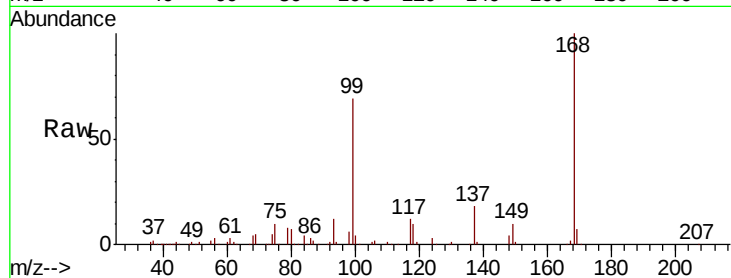
Tgt Ion: 56 Resp: 3924

Ion Ratio Lower Upper

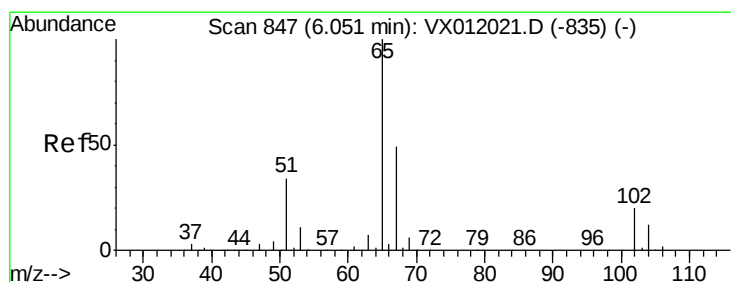
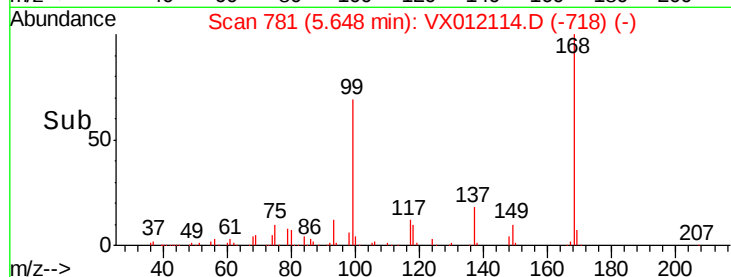
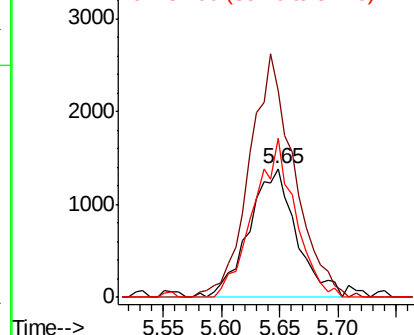
56 100

69 160.1 25.7 38.5#

84 123.8 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: 53.795 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012114.D

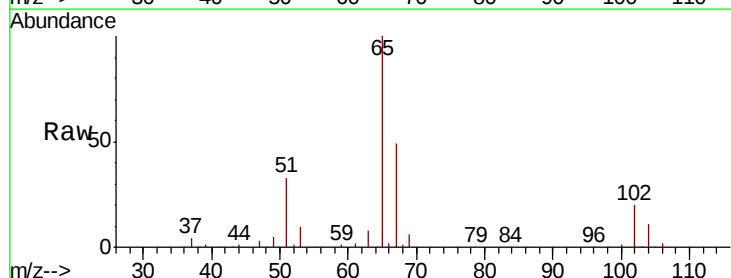
Acq: 05 Sep 2019 21:22

Tgt Ion: 65 Resp: 102807

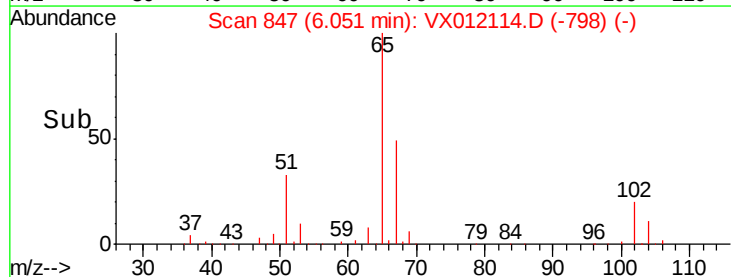
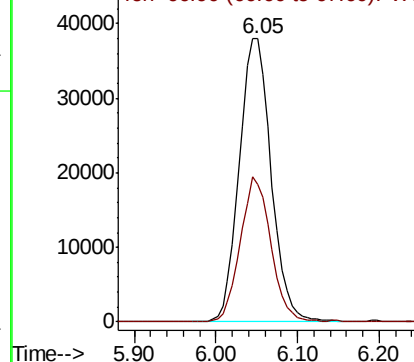
Ion Ratio Lower Upper

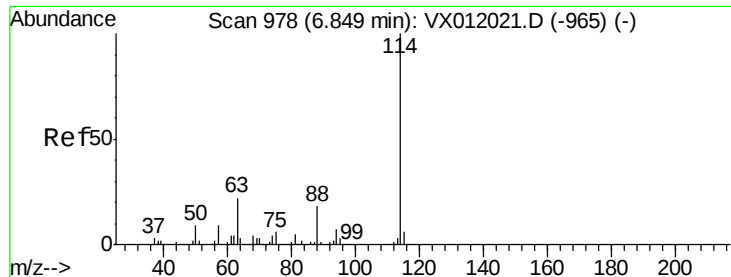
65 100

67 49.4 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: VX012114.D

Acq: 05 Sep 2019 21:22

Instrument :

MSVOA_X

ClientSampled :

SB-4-26-28

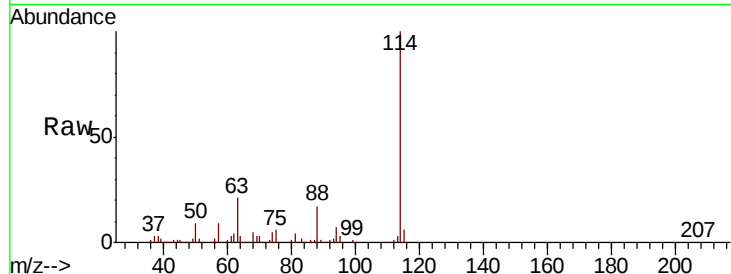
Tgt Ion:114 Resp: 236701

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

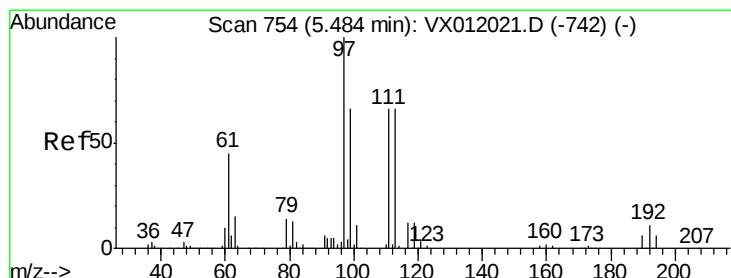
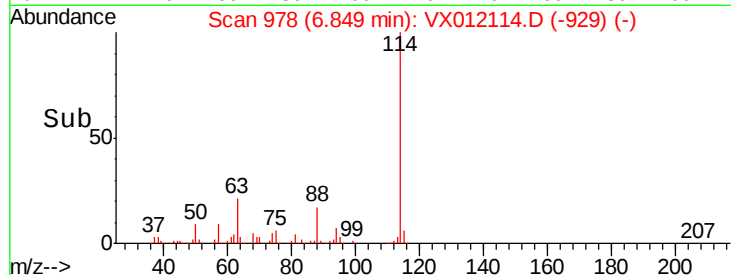
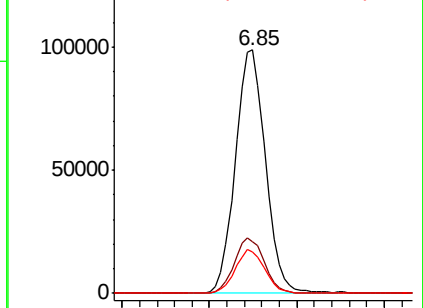
88 17.0 0.0 29.6



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: 49.084 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

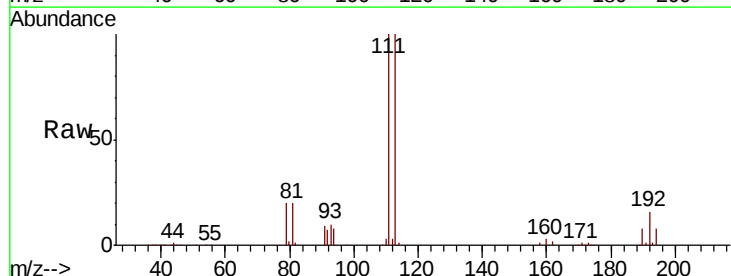
Tgt Ion:113 Resp: 71449

Ion Ratio Lower Upper

113 100

111 104.6 81.7 122.5

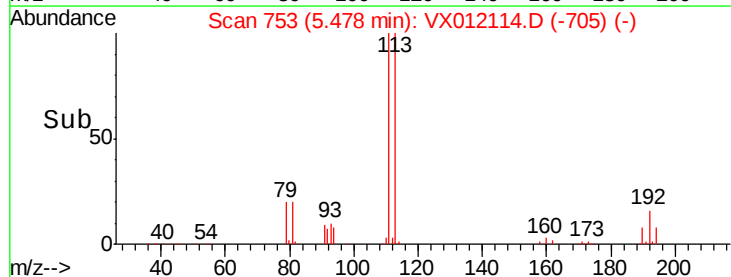
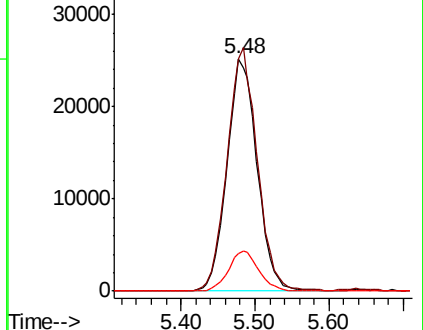
192 17.3 22.5 33.7#

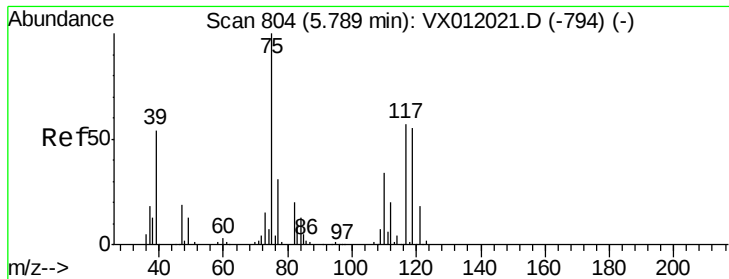


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.148 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

Instrument :

MSVOA_X

ClientSampled :

SB-4-26-28

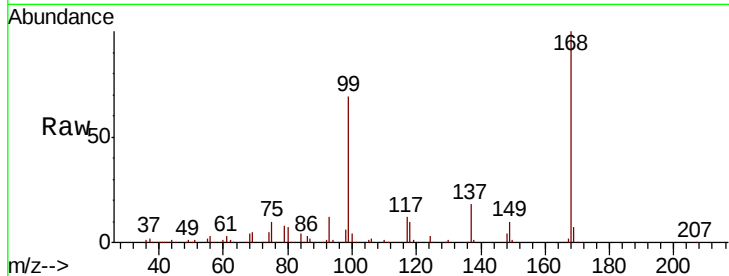
Tgt Ion: 75 Resp: 12816

Ion Ratio Lower Upper

75 100

110 6.2 19.5 58.5#

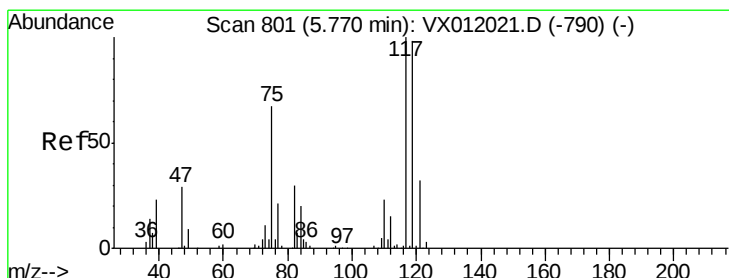
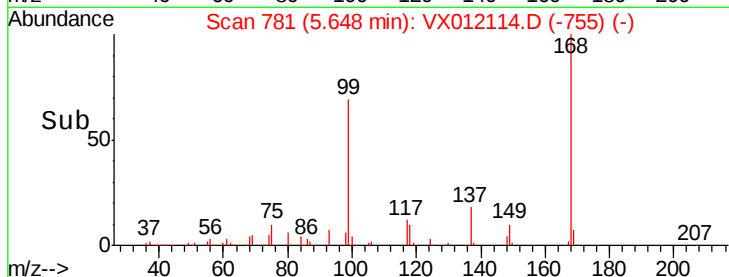
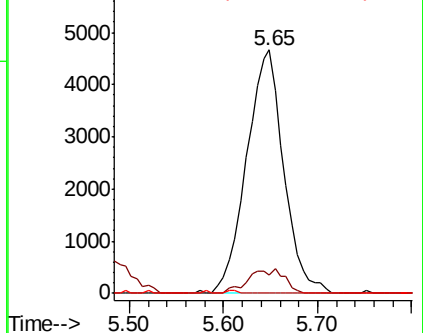
77 0.0 24.6 37.0#



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: 7.493 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

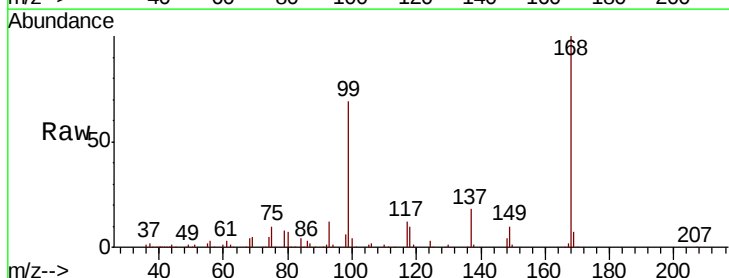
Tgt Ion: 117 Resp: 16460

Ion Ratio Lower Upper

117 100

119 4.5 78.3 117.5#

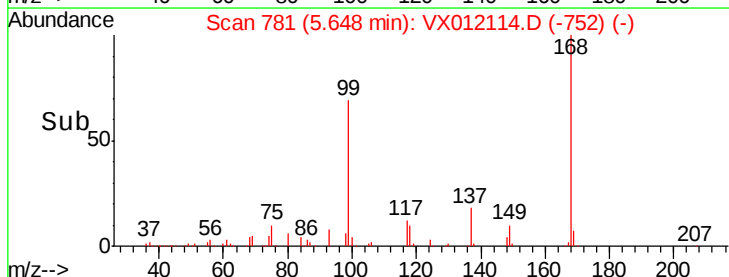
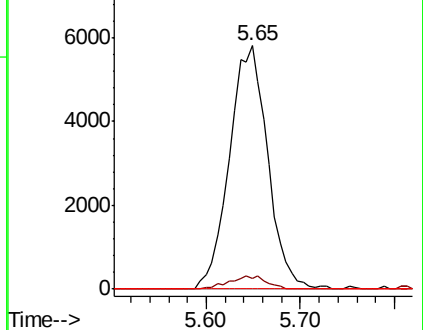
121 0.0 24.2 36.2#

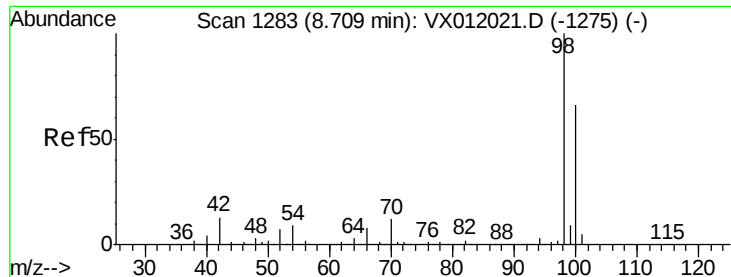


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

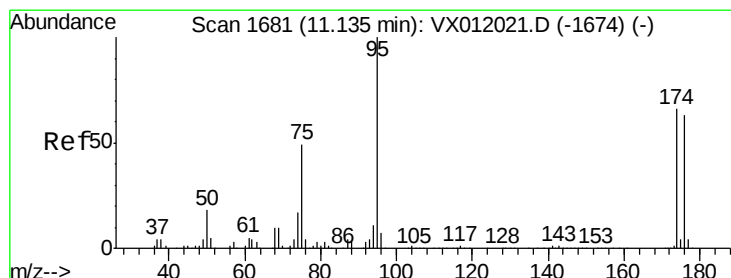
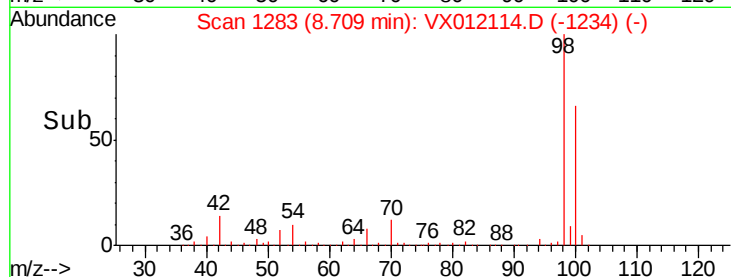
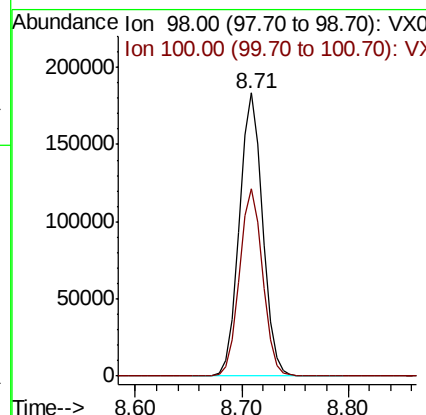
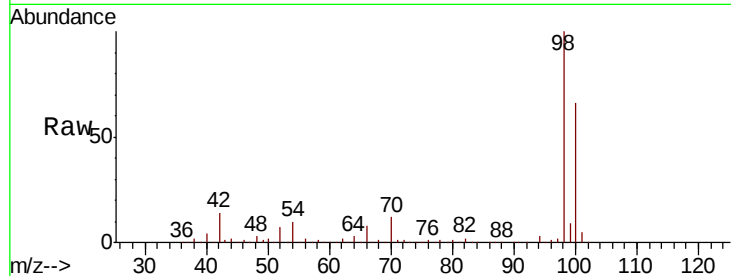




#50
Toluene-d8
Concen: 52.966 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012114.D
Acq: 05 Sep 2019 21:22

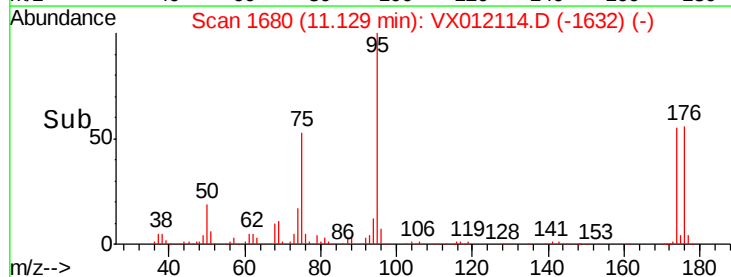
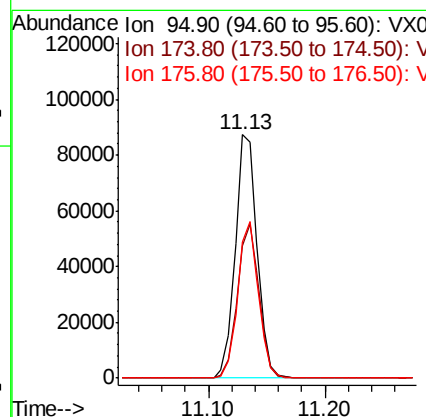
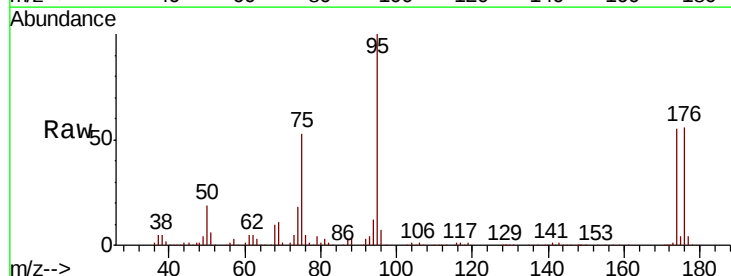
Instrument :
MSVOA_X
ClientSampleId :
SB-4-26-28

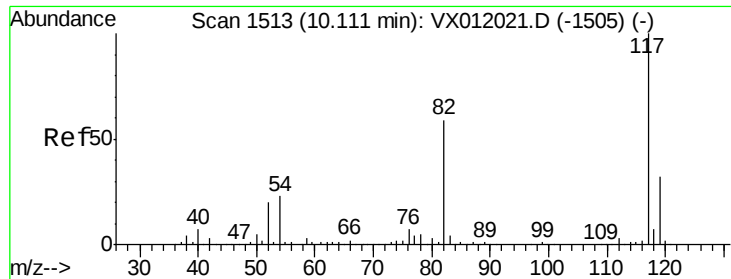
Tgt Ion: 98 Resp: 282919
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 46.012 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012114.D
Acq: 05 Sep 2019 21:22

Tgt Ion: 95 Resp: 114300
Ion Ratio Lower Upper
95 100
174 62.7 0.0 205.4
176 61.2 0.0 201.8

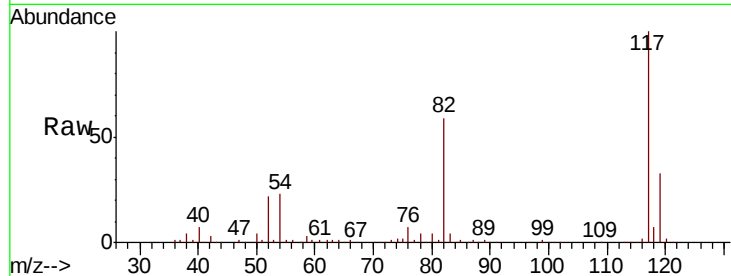




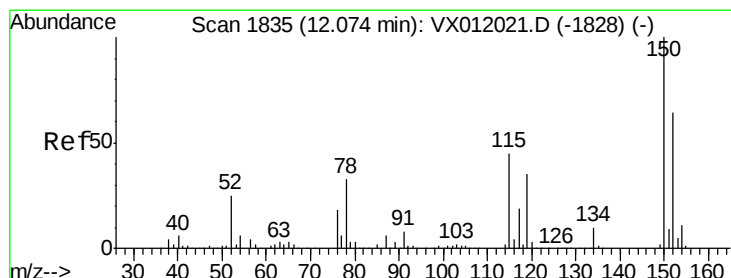
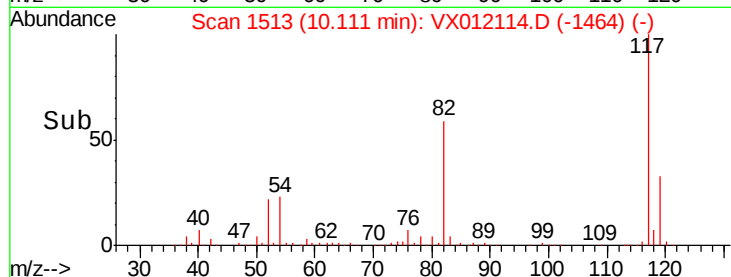
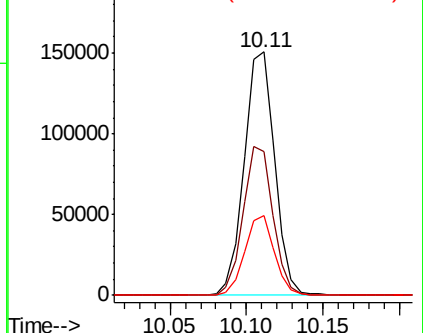
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012114.D
Acq: 05 Sep 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
SB-4-26-28

Tgt Ion:117 Resp: 209021
Ion Ratio Lower Upper
117 100
82 58.8 39.4 59.0
119 32.7 26.1 39.1

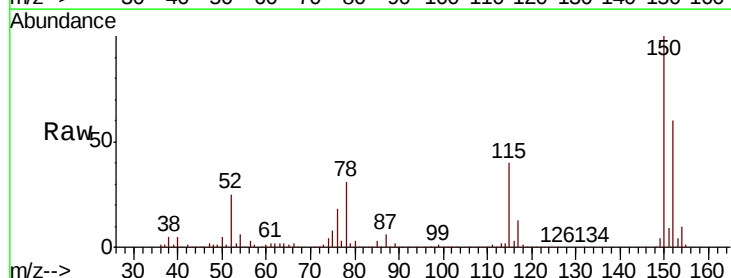


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

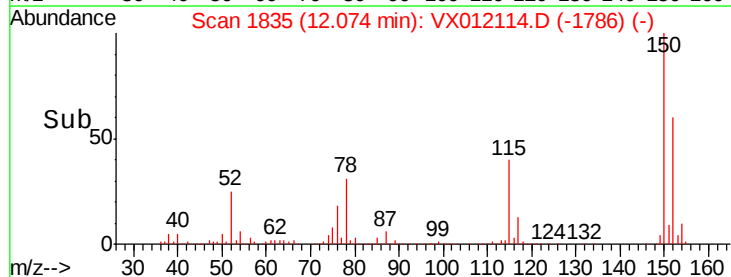
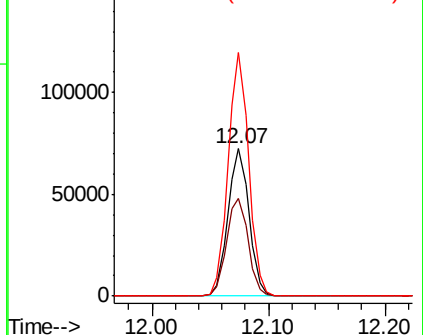


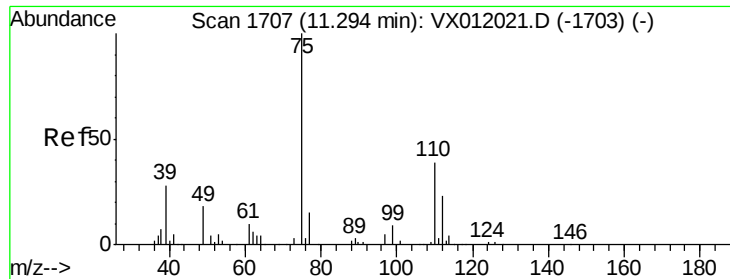
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012114.D
Acq: 05 Sep 2019 21:22

Tgt Ion:152 Resp: 91141
Ion Ratio Lower Upper
152 100
115 67.6 36.4 109.3
150 160.7 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

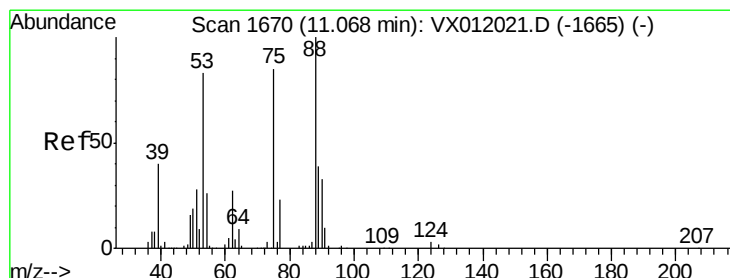
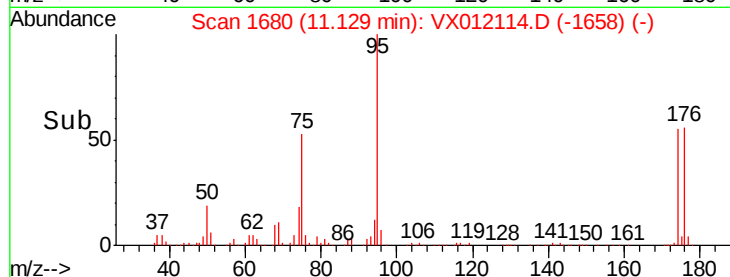
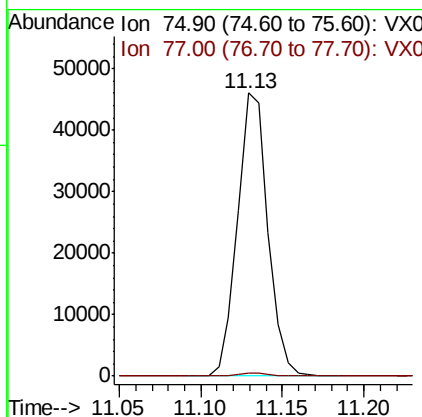
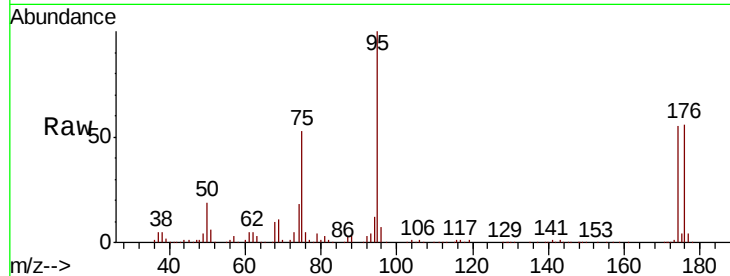




#76
 1,2,3-Trichloropropane
 Concen: 53.756 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012114.D
 Acq: 05 Sep 2019 21:22

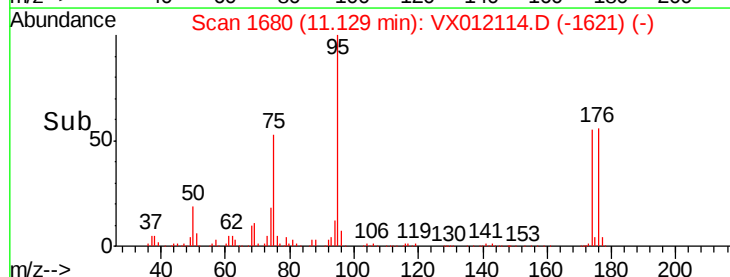
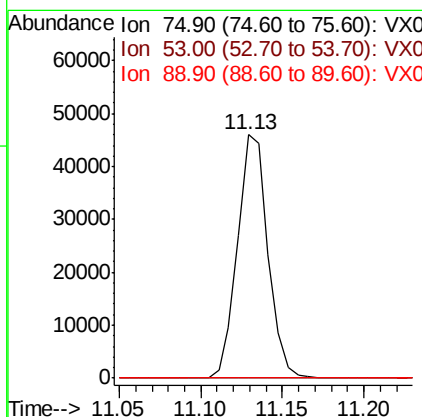
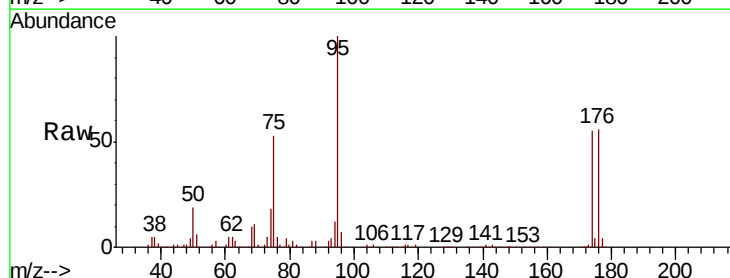
Instrument :
 MSVOA_X
 ClientSampled :
 SB-4-26-28

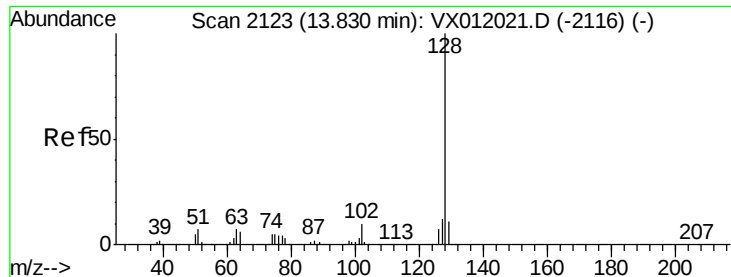
Tgt Ion: 75 Resp: 59863
 Ion Ratio Lower Upper
 75 100
 77 1.1 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.088 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012114.D
 Acq: 05 Sep 2019 21:22

Tgt Ion: 75 Resp: 59863
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.0 38.8 58.2#

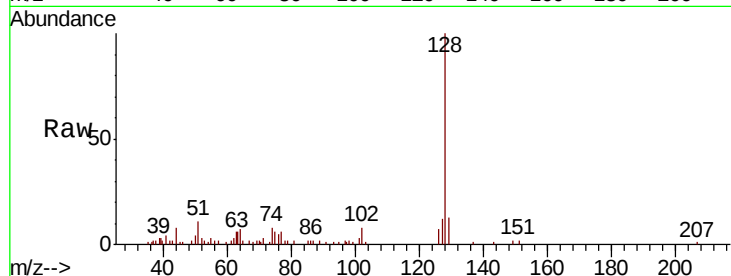




#95
Naphthalene
Concen: 1.667 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012114.D
Acq: 05 Sep 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
SB-4-26-28

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.5	15.7
129	13.0	8.8	13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

