

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012126.D
 Acq On : 06 Sep 2019 04:15
 Operator : SY/SP
 Sample : K4618-10
 Misc : 3.88g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-4-22-24

Quant Time: Sep 06 05:49:23 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	131544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	226352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	173711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	58229	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	91140	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	5.48	113	65929	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	8.71	98	255234	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.13	95	86292	36.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.66%	

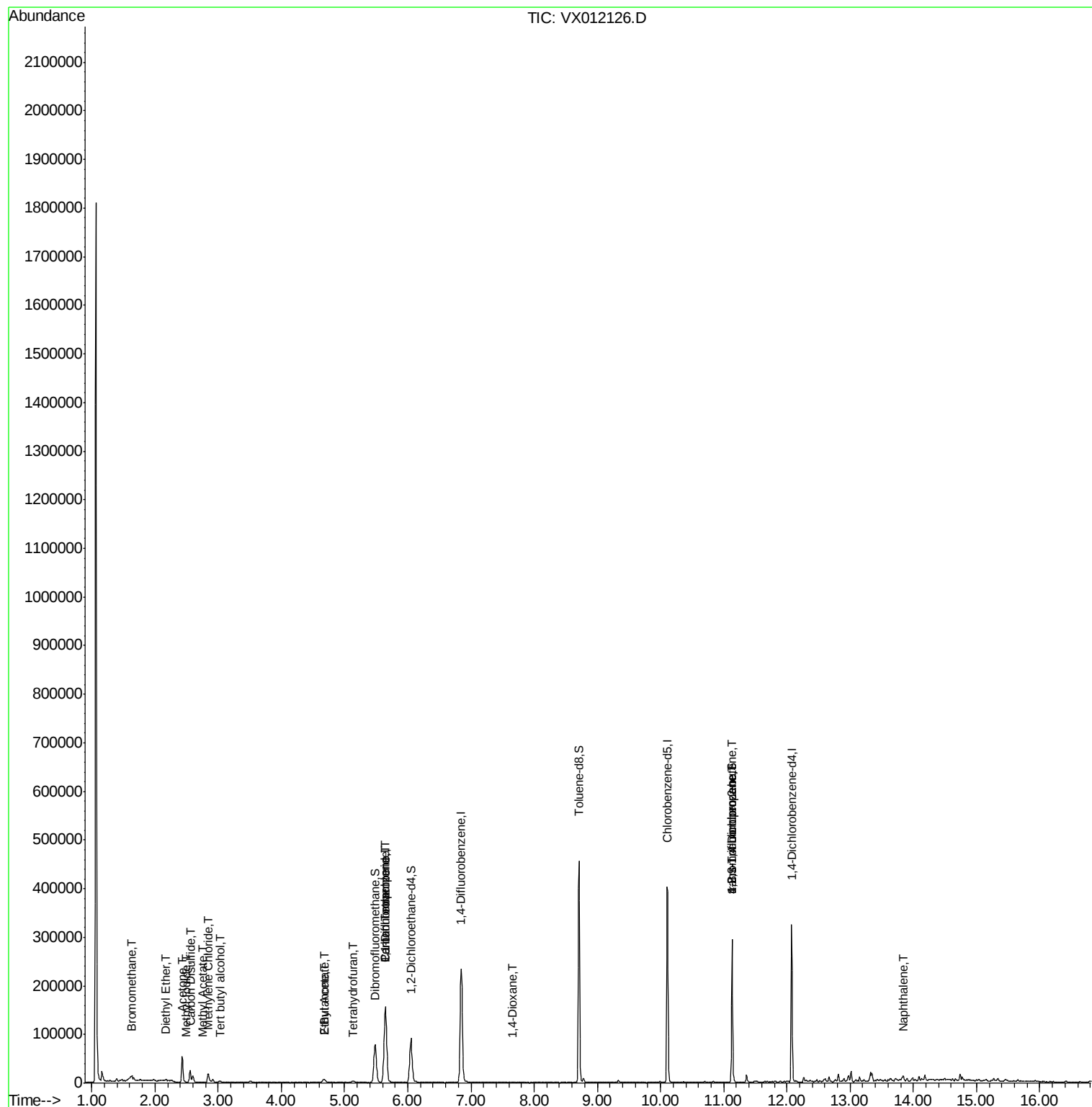
Target Compounds						Qvalue
5) Bromomethane	1.63	94	597	1.030	ug/l #	76
8) Diethyl Ether	2.17	74	1137	1.812	ug/l	100
10) Methyl Iodide	2.50	142	300	7.178	ug/l #	73
11) Tert butyl alcohol	3.03	59	4253	24.395	ug/l #	90
13) Acrolein	2.30	56	170	Below Cal	#	12
16) Acetone	2.43	43	55920	128.897	ug/l	100
17) Carbon Disulfide	2.56	76	32720	8.643	ug/l	98
18) Methyl Acetate	2.76	43	1114	1.090	ug/l	91
20) Methylene Chloride	2.84	84	8451	4.851	ug/l	97
25) 2-Butanone	4.67	43	6129	11.098	ug/l	97
29) Tetrahydrofuran	5.13	42	2679	8.052	ug/l #	92
36) 1,1-Dichloropropene	5.65	75	12012	6.025	ug/l #	49
37) Ethyl Acetate	4.67	43	6129	5.654	ug/l #	78
38) Carbon Tetrachloride	5.65	117	15446	7.353	ug/l #	15
49) 1,4-Dioxane	7.65	88	19	1.258	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	45847	64.440	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	45847	152.346	ug/l #	10
95) Naphthalene	13.83	128	3523	1.326	ug/l #	91

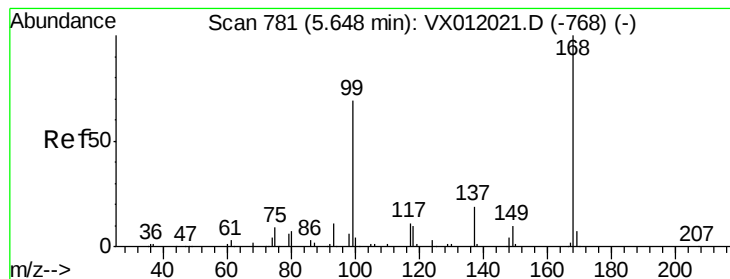
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012126.D

Acq: 06 Sep 2019 04:15

Instrument :

MSVOA_X

ClientSampled :

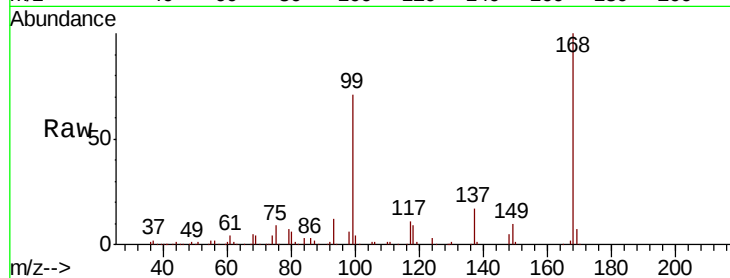
SB-4-22-24

Tgt Ion:168 Resp: 131544

Ion Ratio Lower Upper

168 100

99 71.0 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

40000

30000

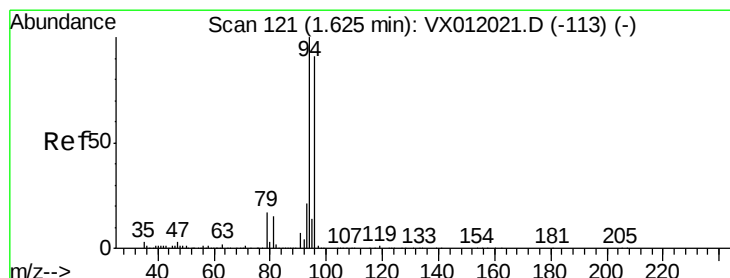
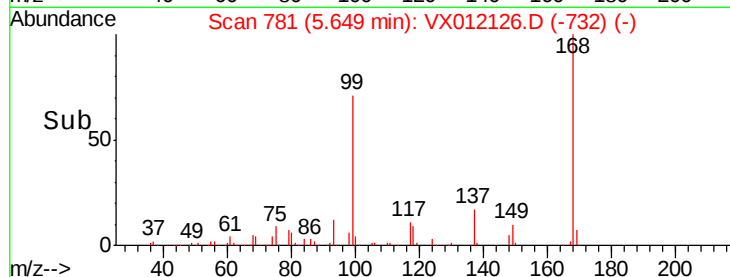
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 1.030 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012126.D

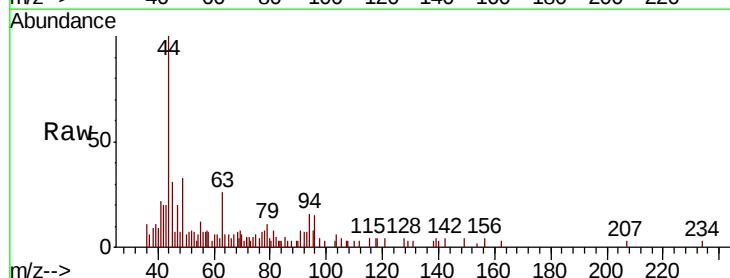
Acq: 06 Sep 2019 04:15

Tgt Ion: 94 Resp: 597

Ion Ratio Lower Upper

94 100

96 72.2 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

400

300

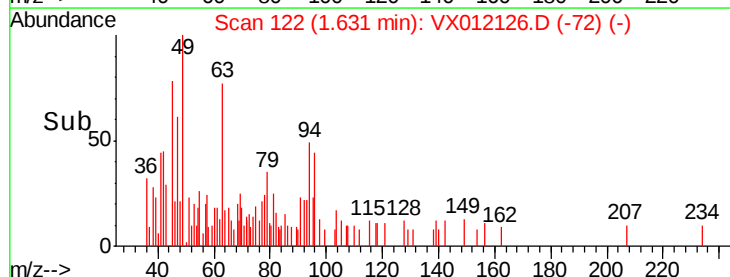
200

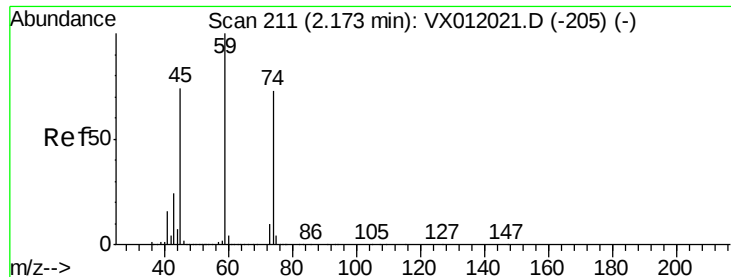
100

0

Time-->

1.60 1.65 1.70





#8

Diethyl Ether

Concen: 1.812 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012126.D

Acq: 06 Sep 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

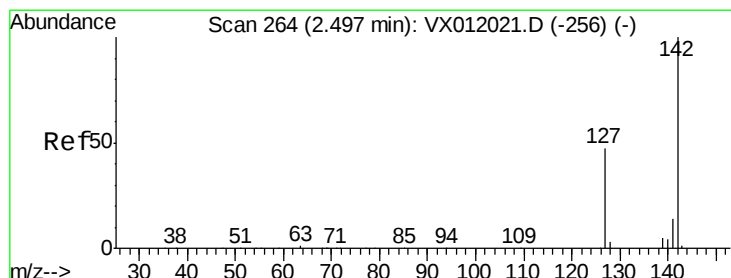
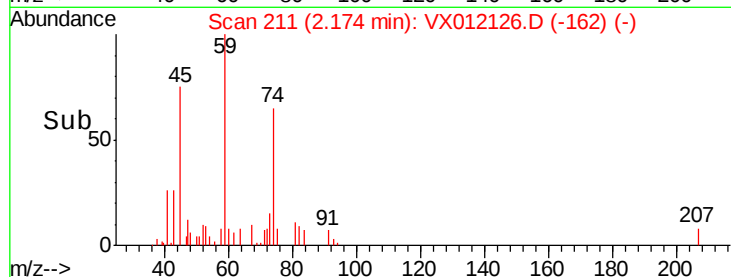
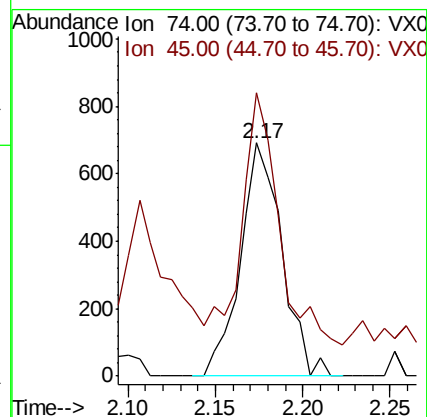
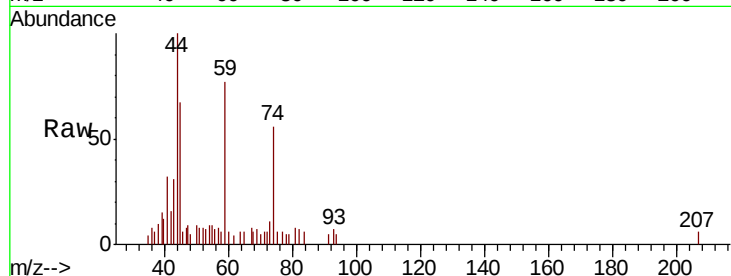
SB-4-22-24

Tgt Ion: 74 Resp: 1137

Ion Ratio Lower Upper

74 100

45 91.8 45.9 137.6



#10

Methyl Iodide

Concen: 7.178 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012126.D

Acq: 06 Sep 2019 04:15

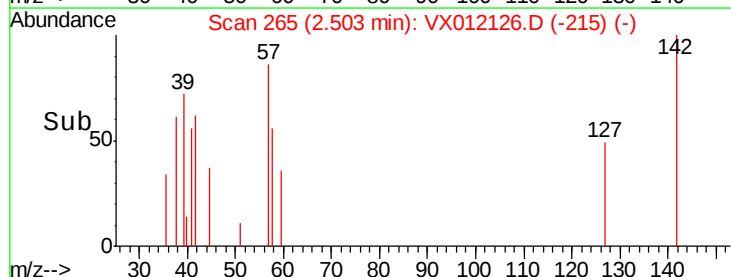
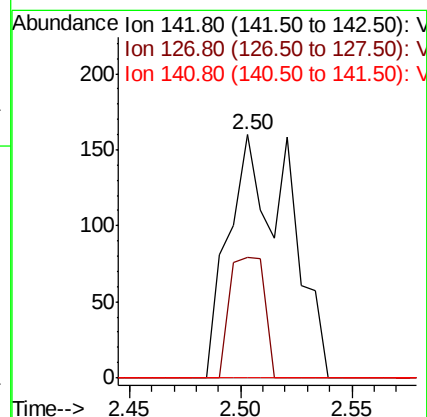
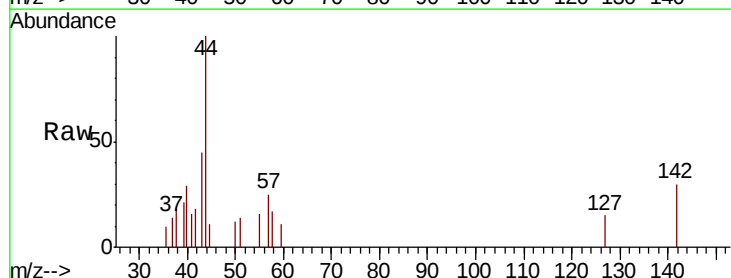
Tgt Ion: 142 Resp: 300

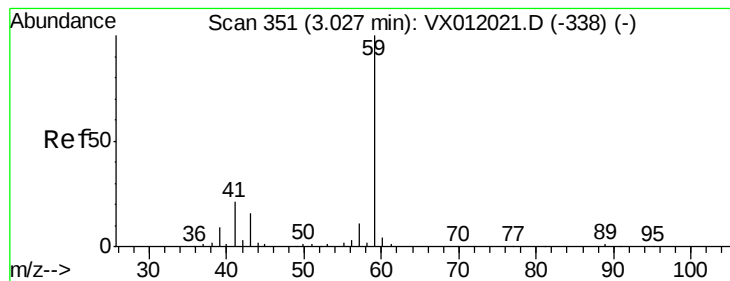
Ion Ratio Lower Upper

142 100

127 28.3 35.4 53.2#

141 0.0 11.4 17.2#



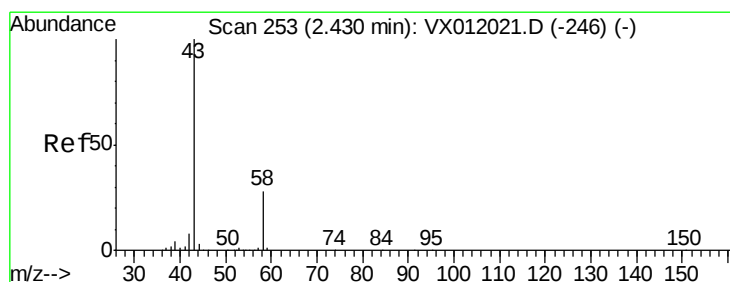
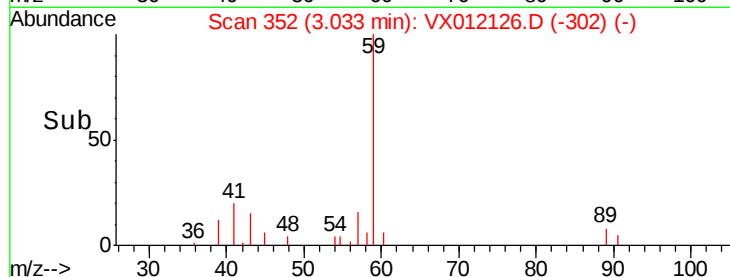
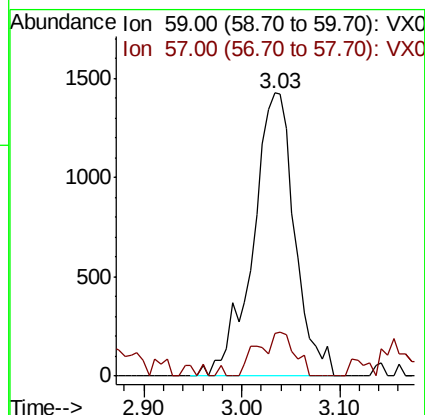
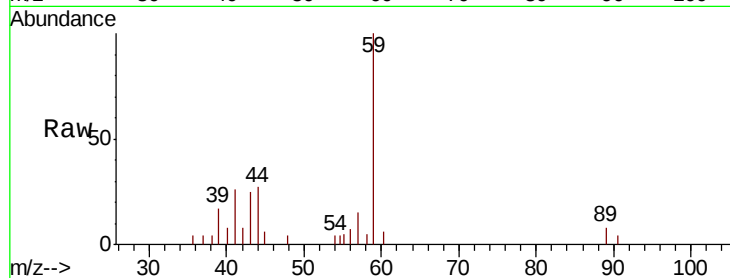


#11

Tert butyl alcohol
 Concen: 24.395 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX012126.D
 Acq: 06 Sep 2019 04:15

Instrument :
 MSVOA_X
 ClientSampled :
 SB-4-22-24

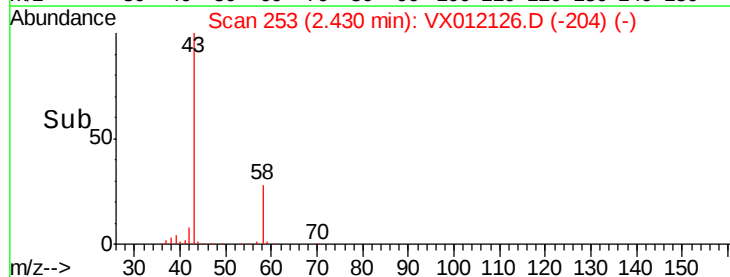
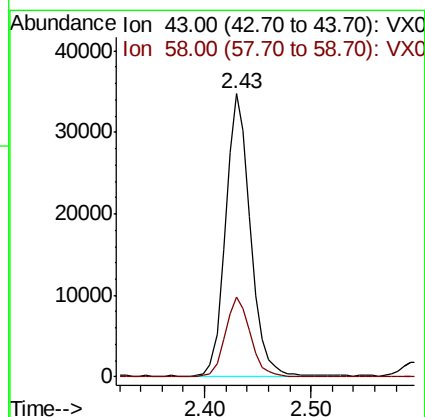
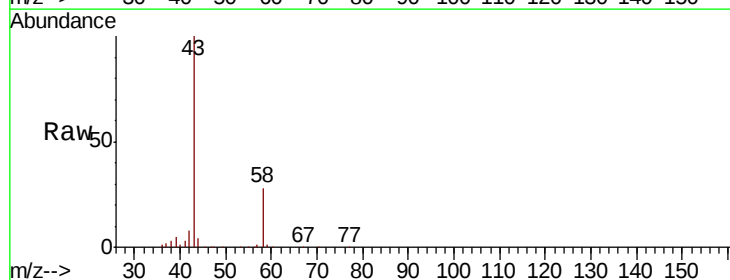
Tgt Ion: 59 Resp: 4253
 Ion Ratio Lower Upper
 59 100
 57 13.6 7.9 11.9#

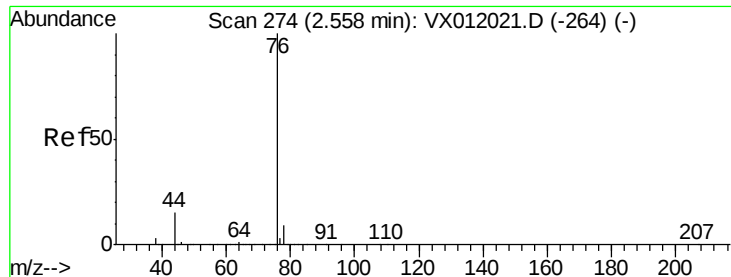


#16

Acetone
 Concen: 128.897 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012126.D
 Acq: 06 Sep 2019 04:15

Tgt Ion: 43 Resp: 55920
 Ion Ratio Lower Upper
 43 100
 58 28.5 22.8 34.2

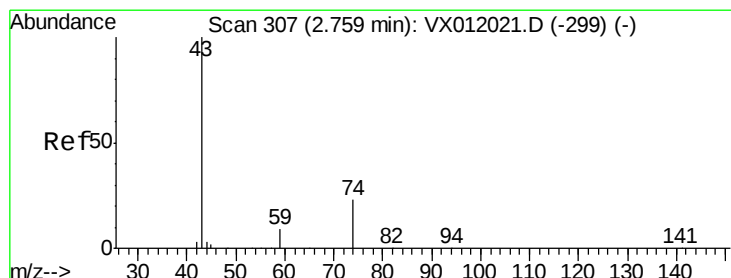
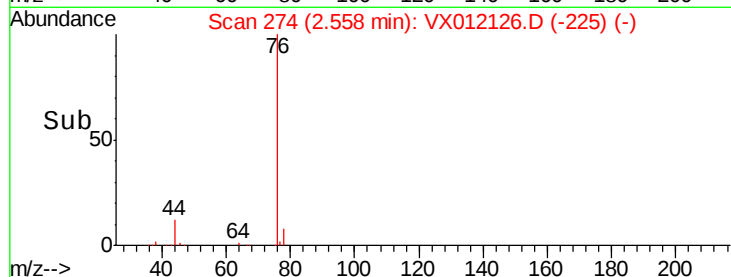
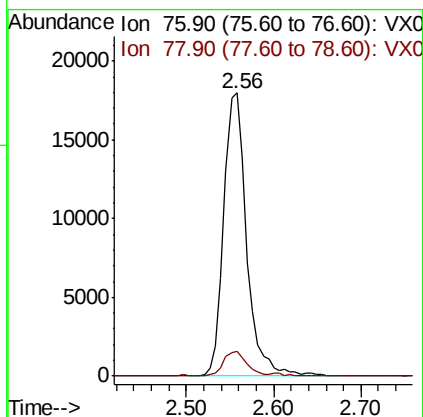
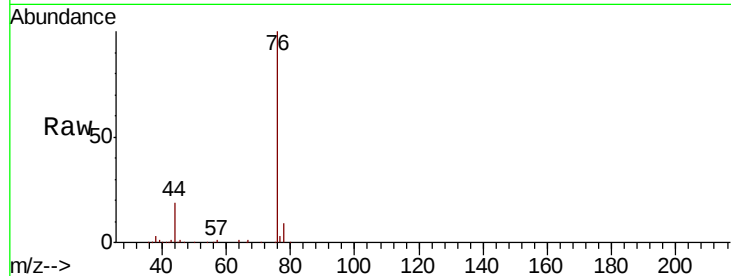




#17
Carbon Disulfide
Concen: 8.643 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX012126.D
Acq: 06 Sep 2019 04:15

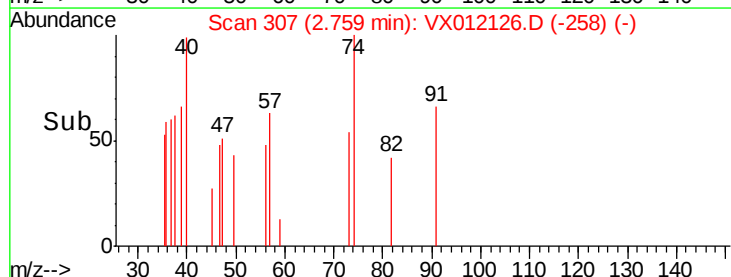
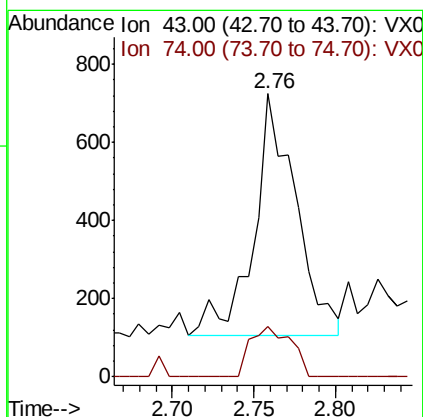
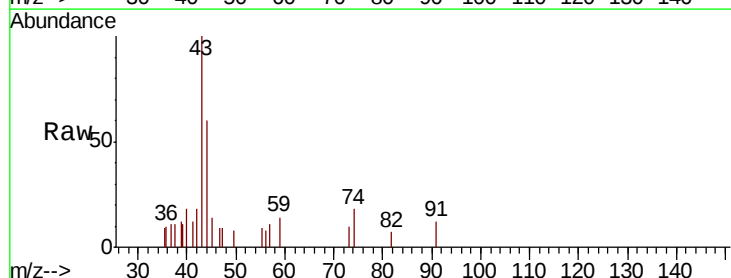
Instrument :
MSVOA_X
ClientSampleId :
SB-4-22-24

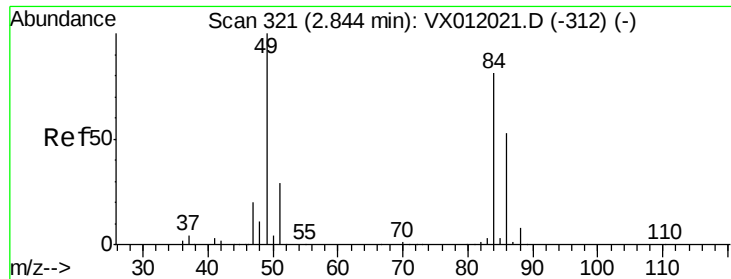
Tgt Ion: 76 Resp: 32720
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2



#18
Methyl Acetate
Concen: 1.090 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012126.D
Acq: 06 Sep 2019 04:15

Tgt Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
74 19.9 19.5 29.3

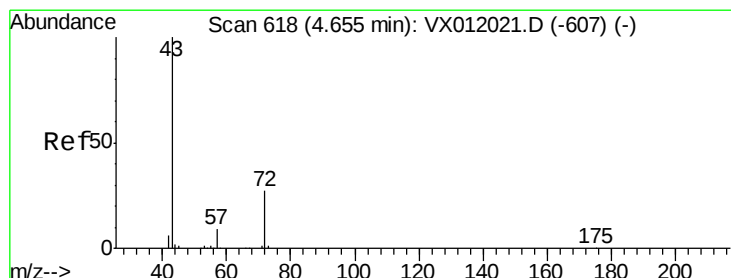
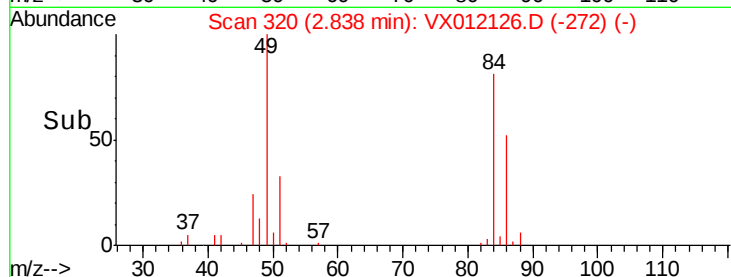
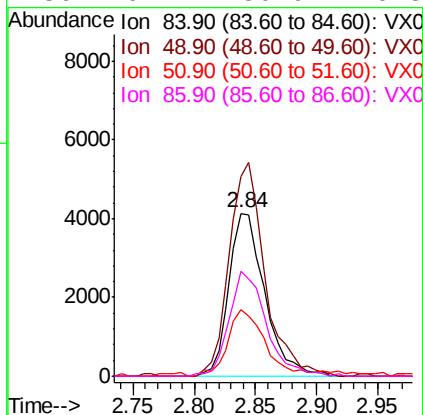
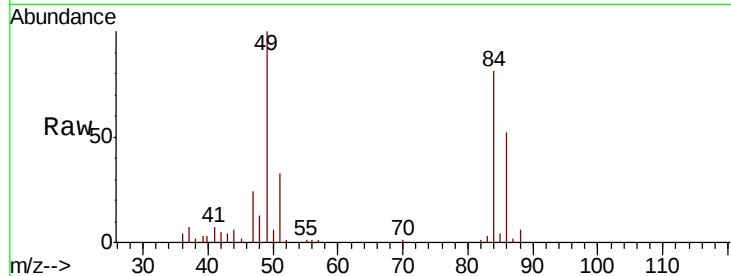




#20
Methylene Chloride
Concen: 4.851 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012126.D
Acq: 06 Sep 2019 04:15

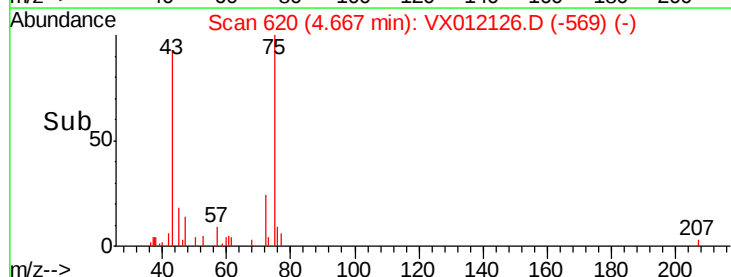
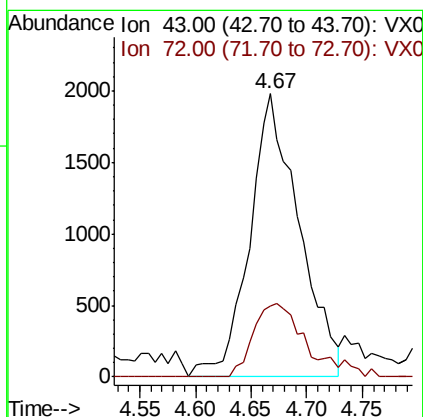
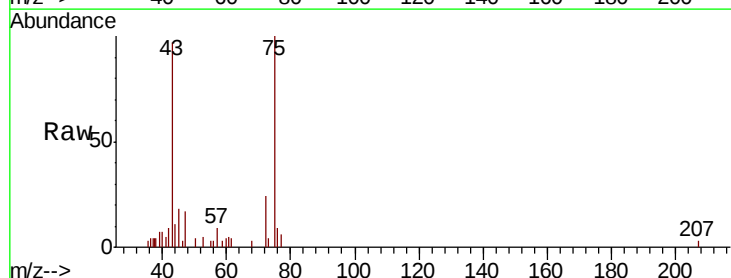
Instrument :
MSVOA_X
ClientSampled :
SB-4-22-24

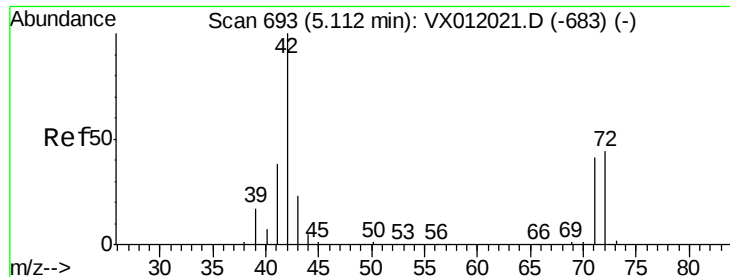
Tgt Ion:	84	Resp:	8451
Ion	Ratio	Lower	Upper
84	100		
49	123.0	95.8	143.8
51	39.1	28.6	43.0
86	64.2	50.9	76.3



#25
2-Butanone
Concen: 11.098 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX012126.D
Acq: 06 Sep 2019 04:15

Tgt Ion:	43	Resp:	6129
Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.3	31.9

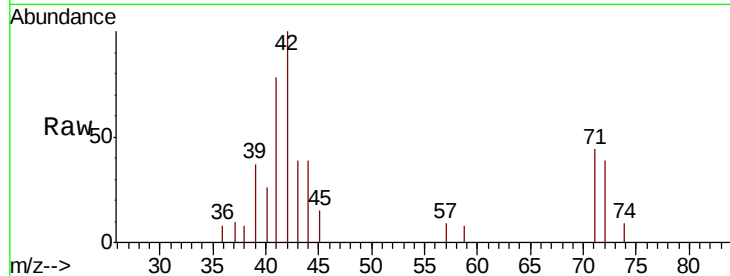




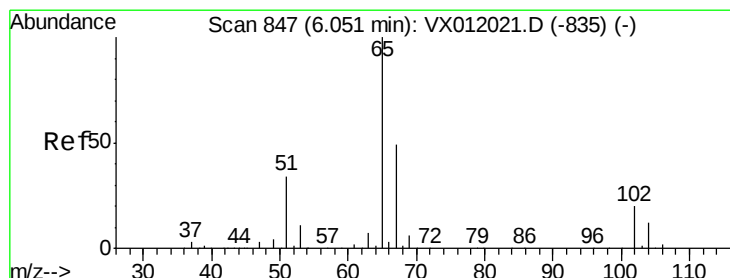
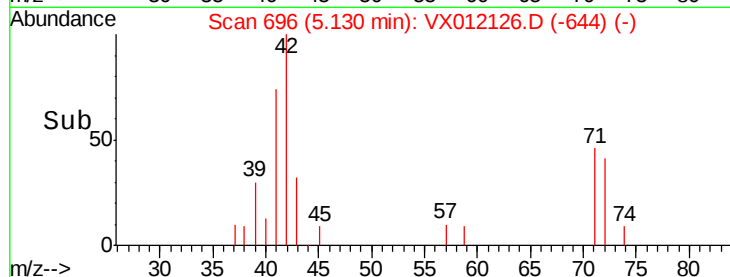
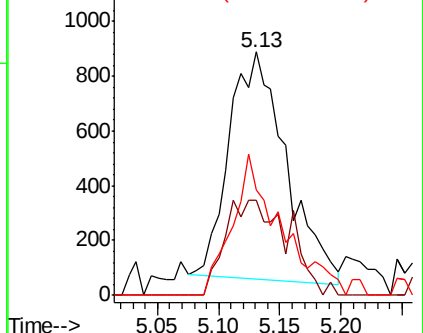
#29
Tetrahydrofuran
Concen: 8.052 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012126.D
Acq: 06 Sep 2019 04:15

Instrument :
MSVOA_X
ClientSampleId :
SB-4-22-24

Tgt Ion: 42 Resp: 2679
Ion Ratio Lower Upper
42 100
72 46.7 37.0 55.4
71 52.6 33.8 50.8#

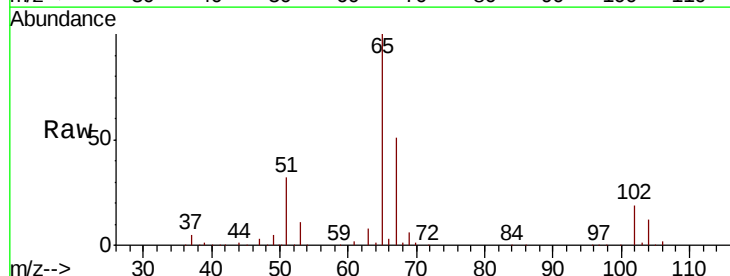


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

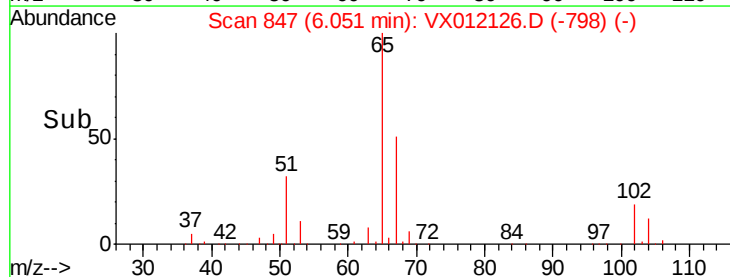
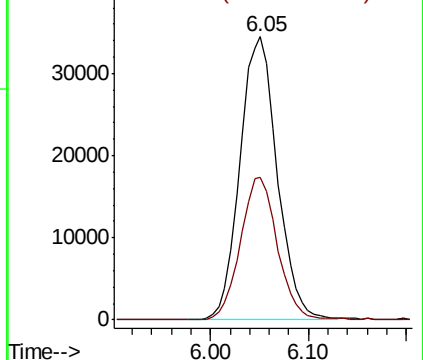


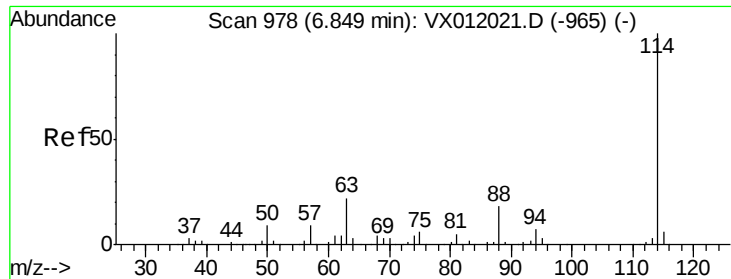
#33
1,2-Dichloroethane-d4
Concen: 50.214 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012126.D
Acq: 06 Sep 2019 04:15

Tgt Ion: 65 Resp: 91140
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

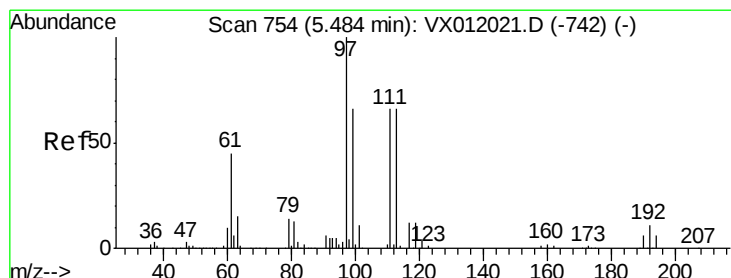
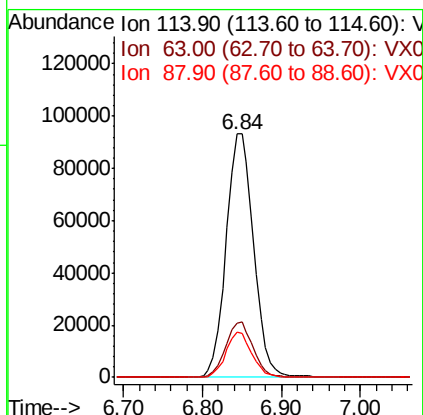
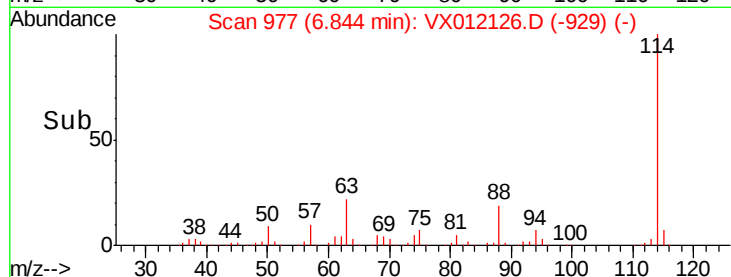
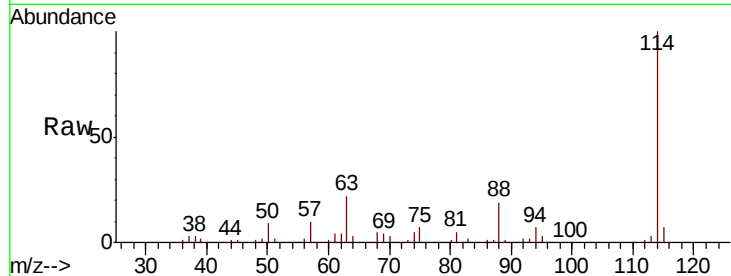




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012126.D
 Acq: 06 Sep 2019 04:15

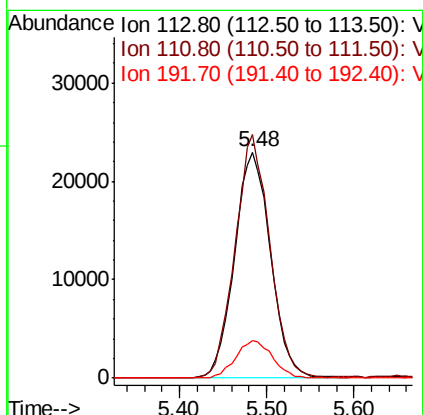
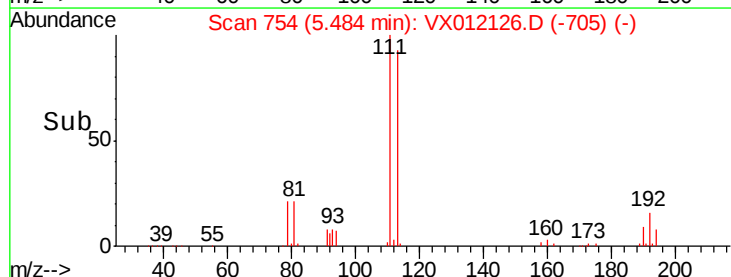
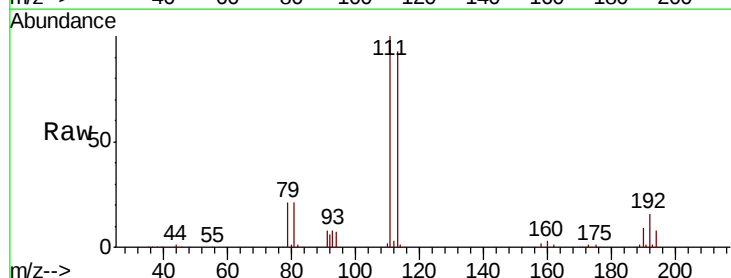
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-4-22-24

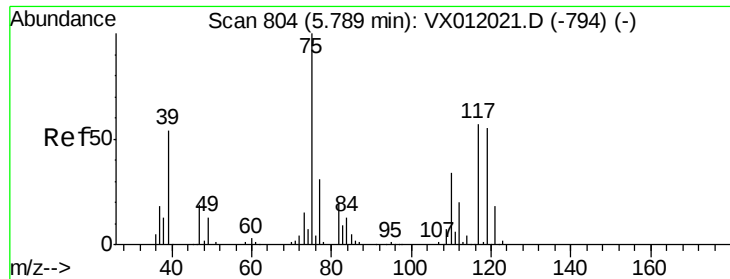
Tgt Ion:114 Resp: 226352
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 37.4
 88 18.5 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 47.363 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012126.D
 Acq: 06 Sep 2019 04:15

Tgt Ion:113 Resp: 65929
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.7 122.5
 192 16.7 22.5 33.7#

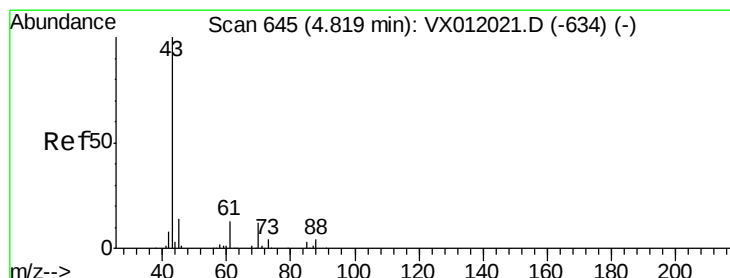
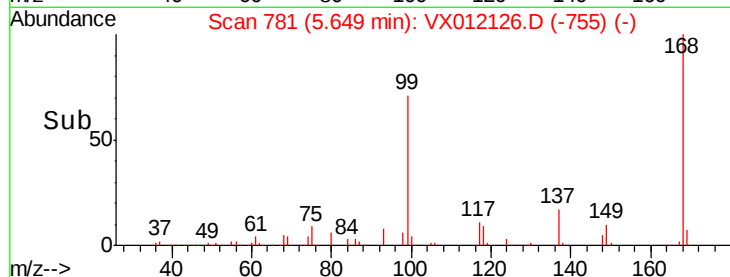
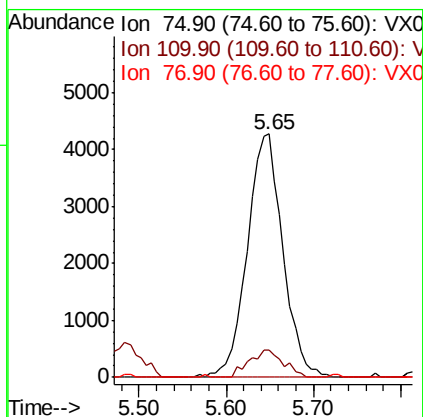
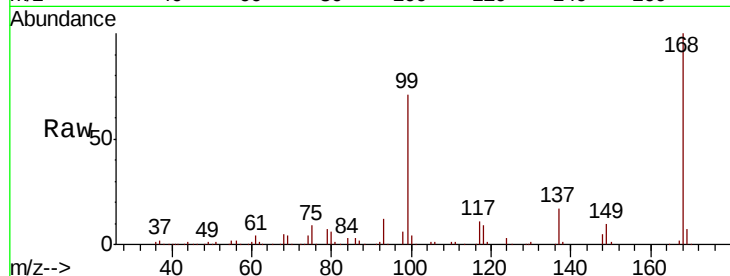




#36
 1,1-Dichloropropene
 Concen: 6.025 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012126.D
 Acq: 06 Sep 2019 04:15

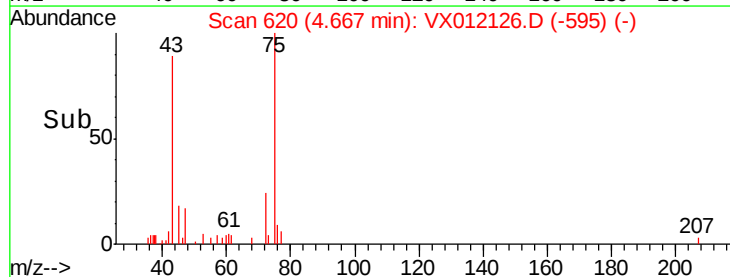
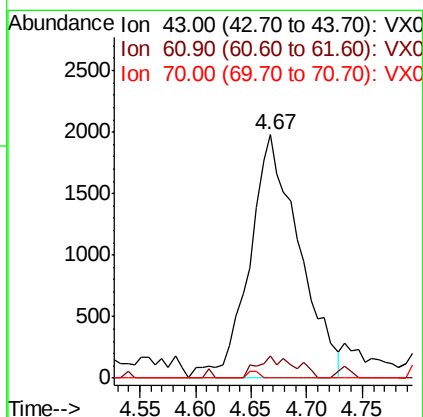
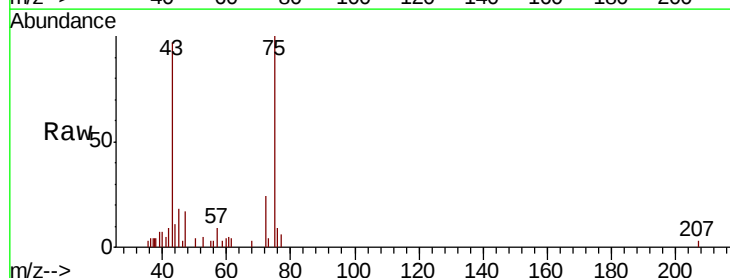
Instrument :
 MSVOA_X
 ClientSampled :
 SB-4-22-24

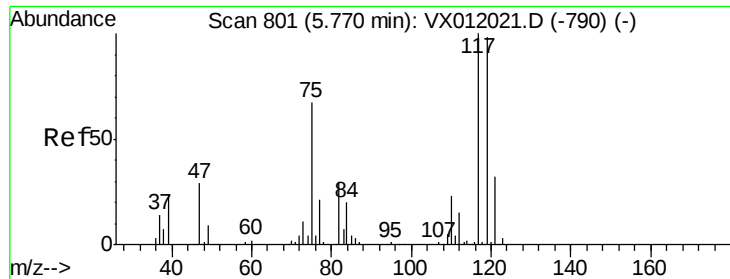
Tgt Ion: 75 Resp: 12012
 Ion Ratio Lower Upper
 75 100
 110 10.8 19.5 58.5#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 5.654 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. -0.15 min
 Lab File: VX012126.D
 Acq: 06 Sep 2019 04:15

Tgt Ion: 43 Resp: 6129
 Ion Ratio Lower Upper
 43 100
 61 6.8 10.9 16.3#
 70 0.7 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 7.353 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012126.D

Acq: 06 Sep 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

SB-4-22-24

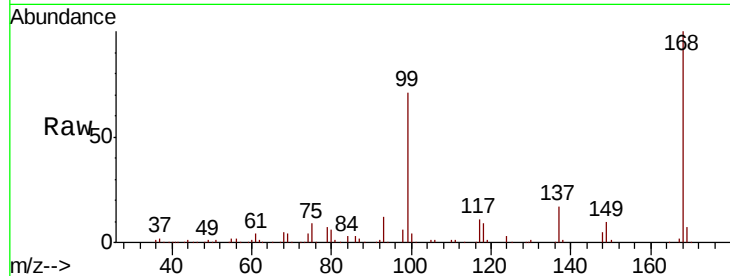
Tgt Ion: 117 Resp: 15446

Ion Ratio Lower Upper

117 100

119 5.4 78.3 117.5#

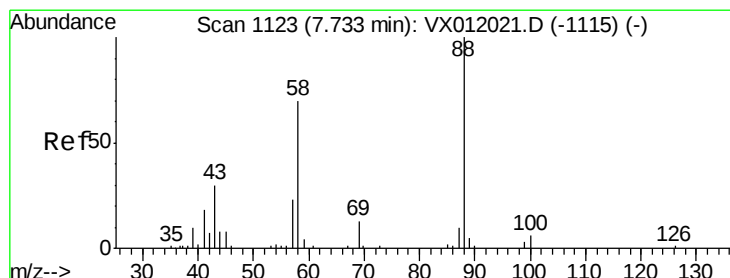
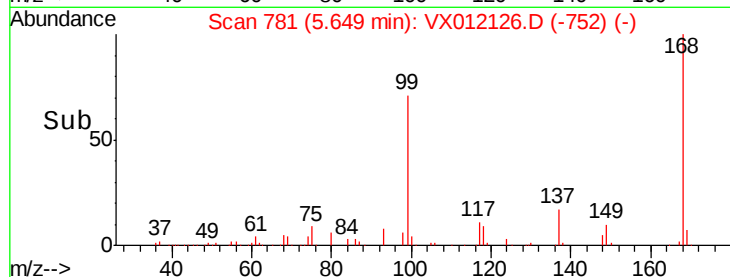
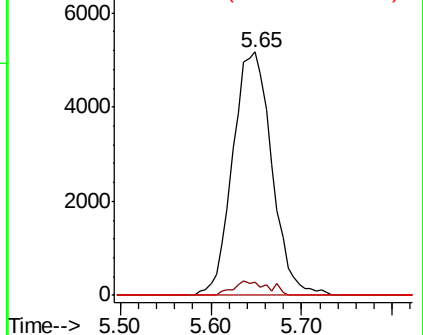
121 0.0 24.2 36.2#



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: 1.258 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.07 min

Lab File: VX012126.D

Acq: 06 Sep 2019 04:15

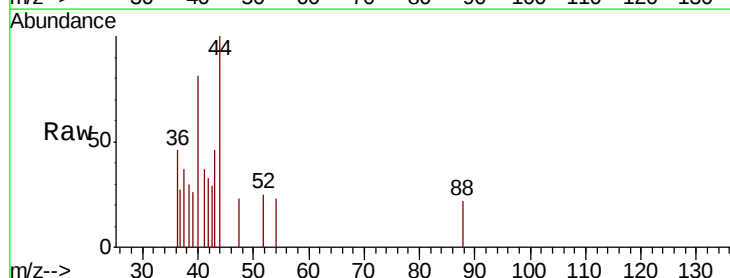
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 400.0 29.8 44.6#

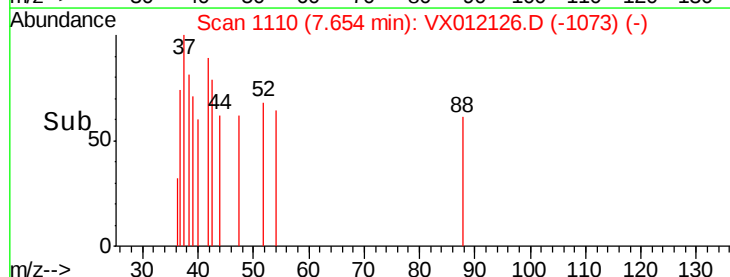
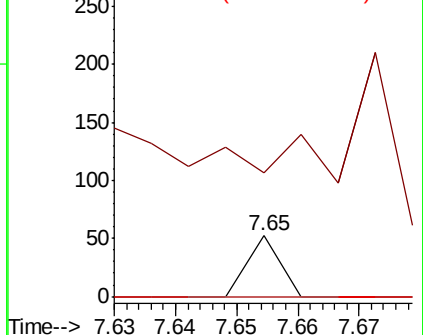
58 0.0 55.4 83.2#

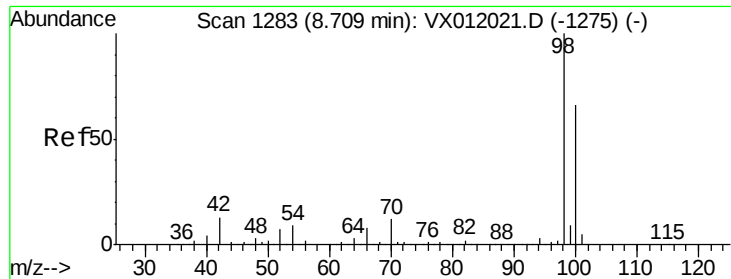


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

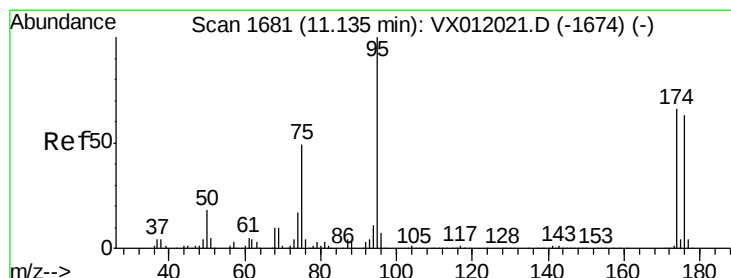
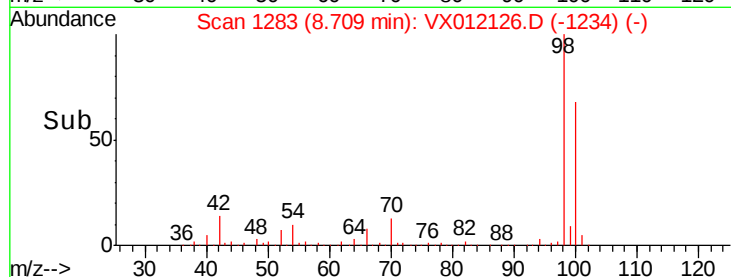
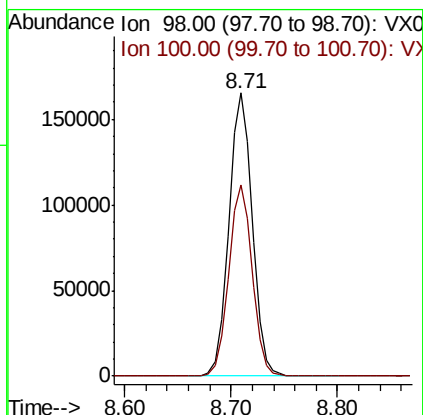
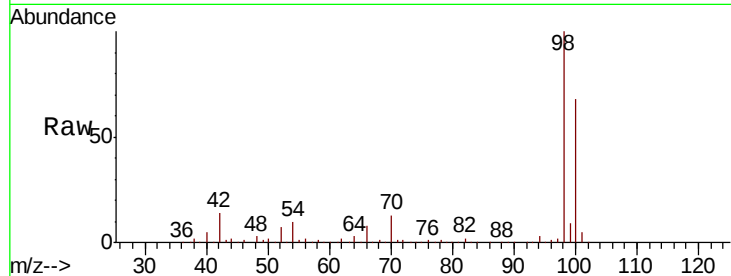




#50
Toluene-d8
Concen: 49.967 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012126.D
Acq: 06 Sep 2019 04:15

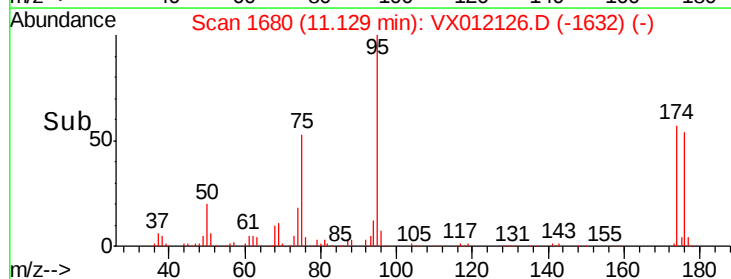
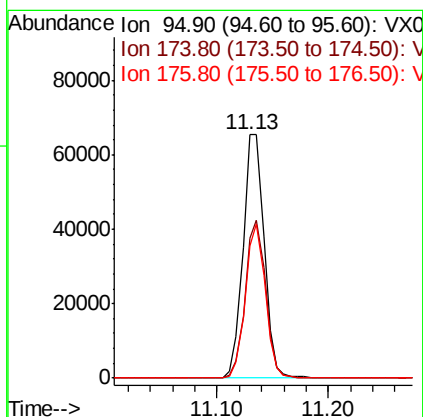
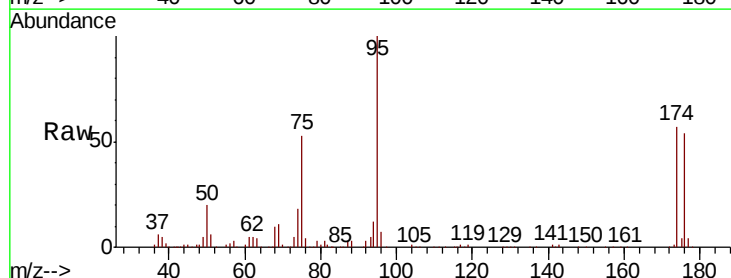
Instrument :
MSVOA_X
ClientSampleId :
SB-4-22-24

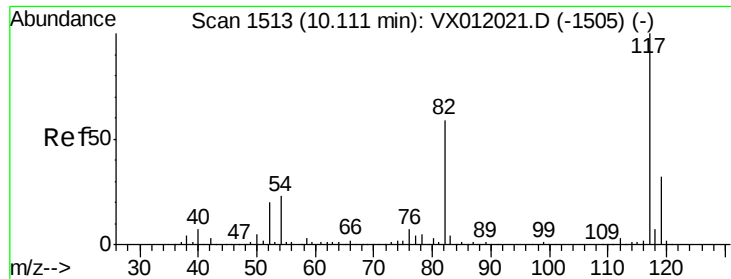
Tgt Ion: 98 Resp: 255234
Ion Ratio Lower Upper
98 100
100 67.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 36.325 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012126.D
Acq: 06 Sep 2019 04:15

Tgt Ion: 95 Resp: 86292
Ion Ratio Lower Upper
95 100
174 62.7 0.0 205.4
176 59.8 0.0 201.8

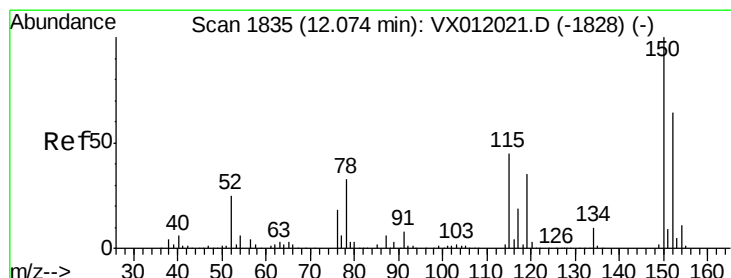
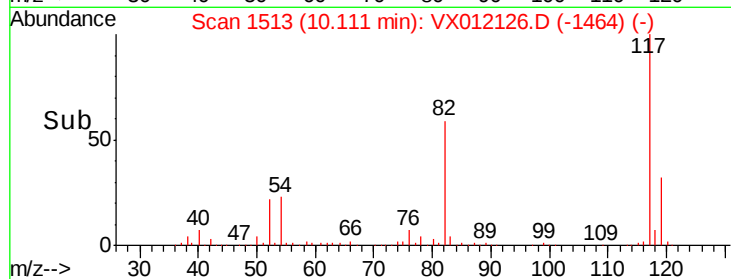
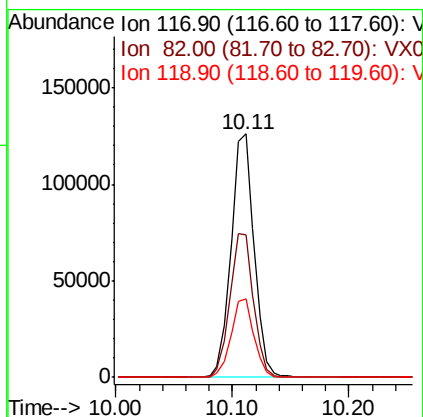
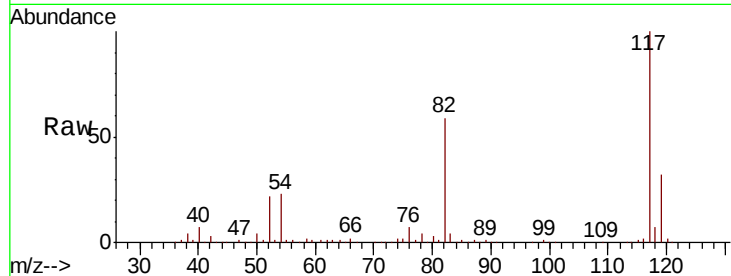




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012126.D
Acq: 06 Sep 2019 04:15

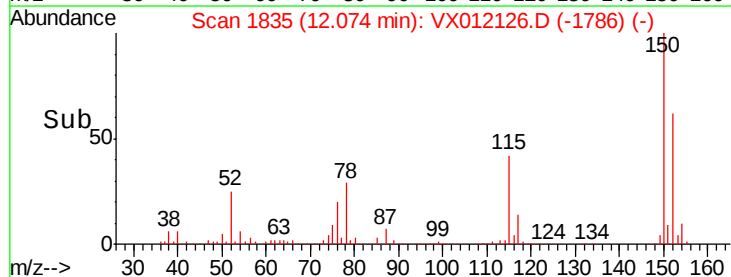
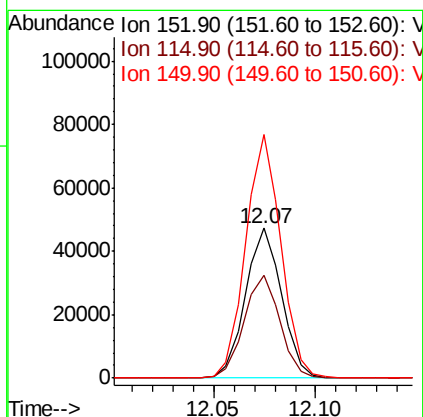
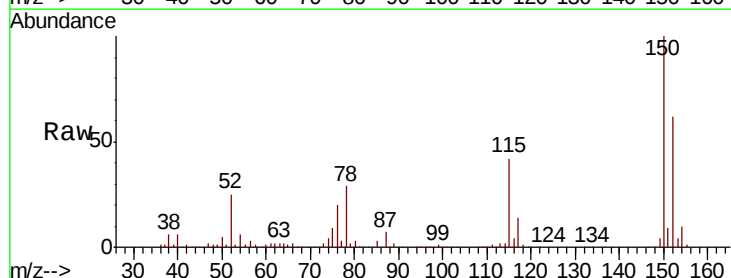
Instrument :
MSVOA_X
ClientSampleId :
SB-4-22-24

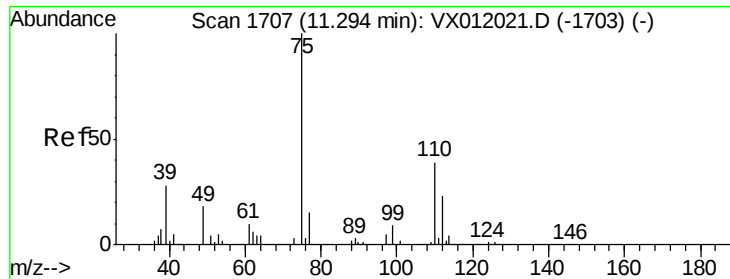
Tgt Ion:117 Resp: 173711
Ion Ratio Lower Upper
117 100
82 58.7 39.4 59.0
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012126.D
Acq: 06 Sep 2019 04:15

Tgt Ion:152 Resp: 58229
Ion Ratio Lower Upper
152 100
115 68.3 36.4 109.3
150 158.7 0.0 341.2





#76

1,2,3-Trichloropropane

Concen: 64.440 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012126.D

Acq: 06 Sep 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

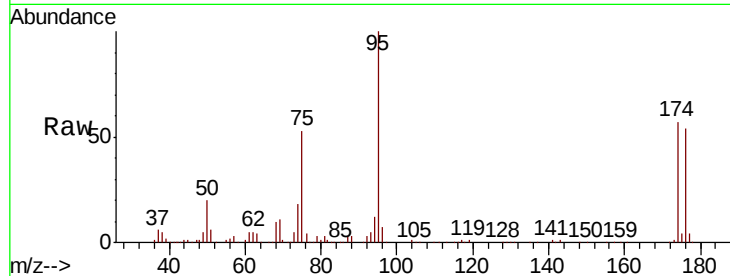
SB-4-22-24

Tgt Ion: 75 Resp: 45847

Ion Ratio Lower Upper

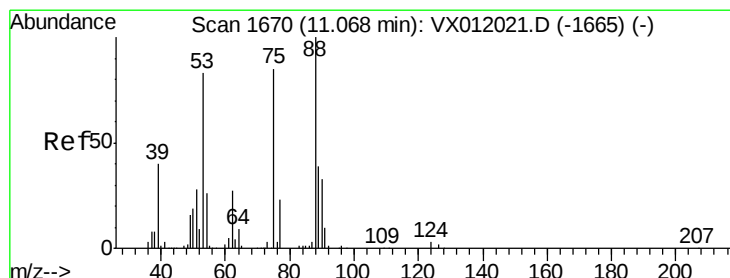
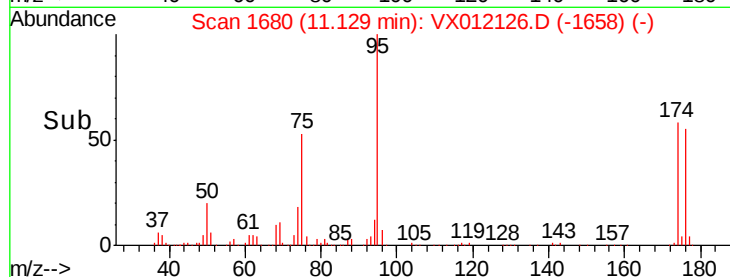
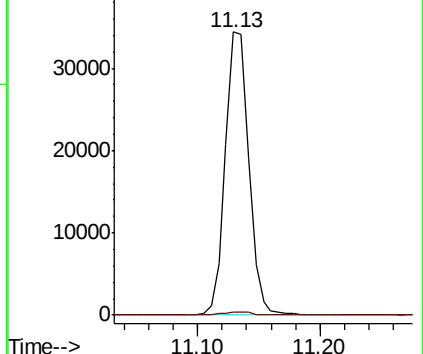
75 100

77 1.6 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: 152.346 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012126.D

Acq: 06 Sep 2019 04:15

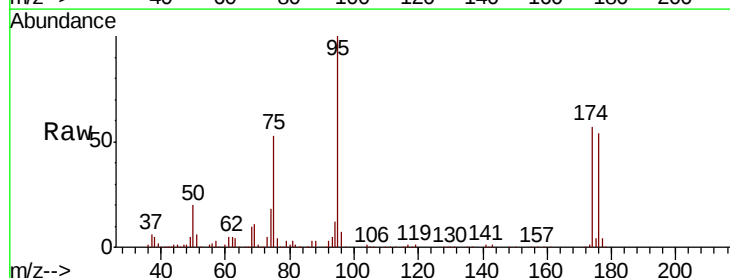
Tgt Ion: 75 Resp: 45847

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

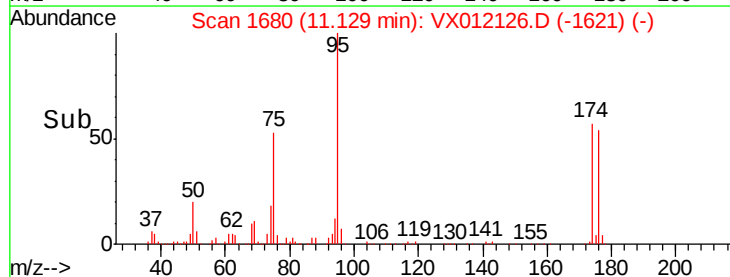
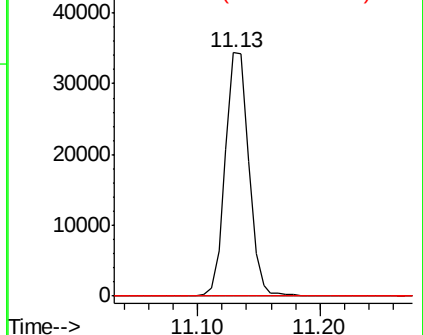
89 0.1 38.8 58.2#

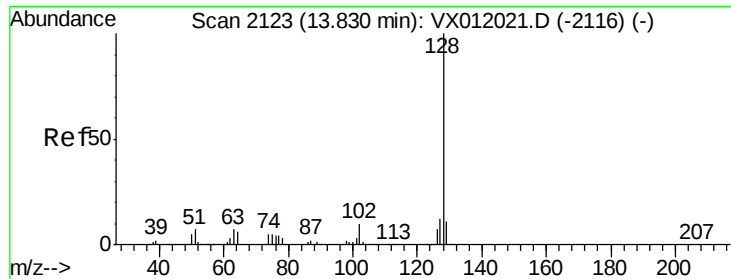


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 1.326 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012126.D
Acq: 06 Sep 2019 04:15

Instrument :
MSVOA_X
ClientSampleId :
SB-4-22-24

Tgt Ion:128 Resp: 3523
Ion Ratio Lower Upper
128 100
127 16.7 10.5 15.7#
129 14.8 8.8 13.2#

