

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012330.D
 Acq On : 12 Sep 2019 05:06
 Operator : SY/SP
 Sample : K4694-14
 Misc : 3.73g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-2-(1.5)

Quant Time: Sep 12 05:46:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	156735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269331	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	189399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	50425	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	107399	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
35) Dibromofluoromethane	5.48	113	80508	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
50) Toluene-d8	8.71	98	295514	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
62) 4-Bromofluorobenzene	11.14	95	80009	28.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.00%	

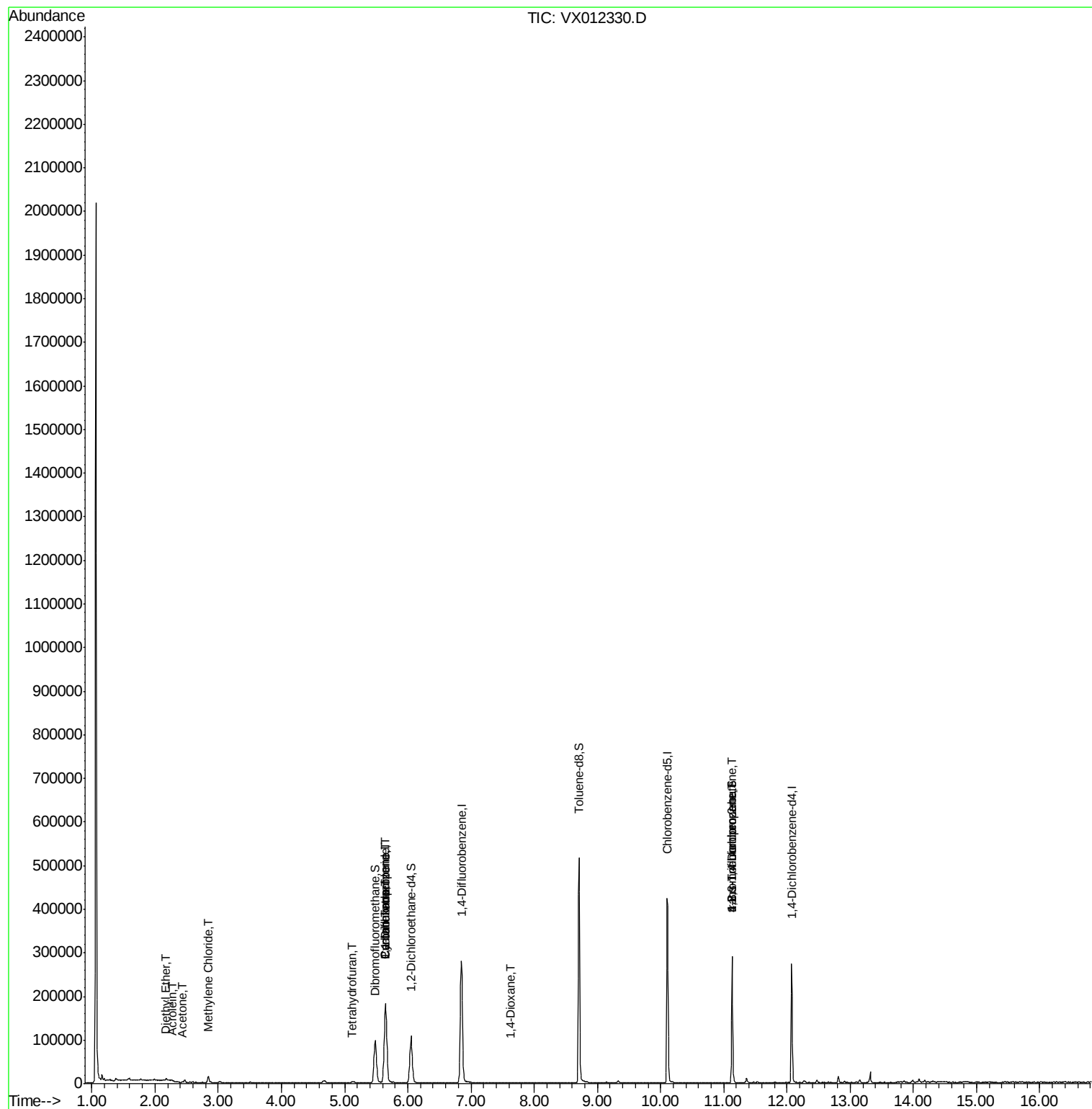
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	226	Below Cal	#	20
8) Diethyl Ether	2.17	74	1149	1.625	ug/l	80
13) Acrolein	2.28	56	274	2.365	ug/l #	12
16) Acetone	2.43	43	1707	3.254	ug/l	97
20) Methylene Chloride	2.84	84	6036	1.112	ug/l	94
29) Tetrahydrofuran	5.13	42	2214	6.119	ug/l #	79
31) Cyclohexane	5.65	56	4598	2.235	ug/l #	9
36) 1,1-Dichloropropene	5.64	75	14291	7.277	ug/l #	42
38) Carbon Tetrachloride	5.65	117	17966	7.797	ug/l #	14
49) 1,4-Dioxane	7.62	88	19	1.149	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	42778	66.037	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	42778	197.863	ug/l #	5

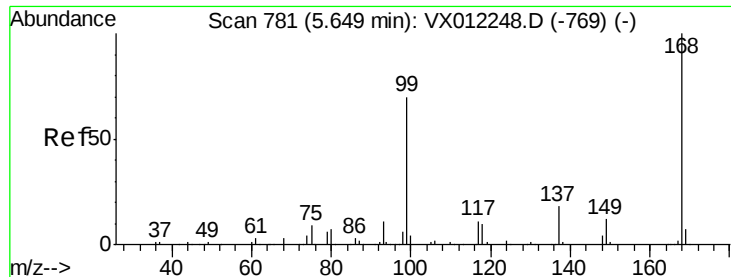
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
Data File : VX012330.D
Acq On : 12 Sep 2019 05:06
Operator : SY/SP
Sample : K4694-14
Misc : 3.73g/5.0mL/MSVOA_X/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T2-2-(1.5)

Quant Time: Sep 12 05:46:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 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: VX012330.D

Acq: 12 Sep 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

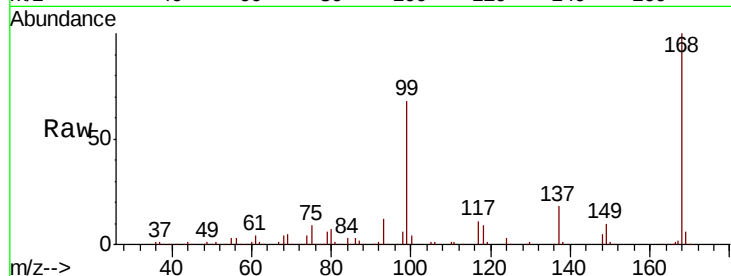
T2-2-(1.5)

Tgt Ion: 168 Resp: 156735

Ion Ratio Lower Upper

168 100

99 68.0 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

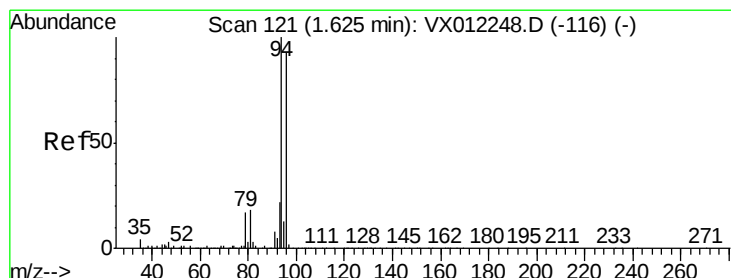
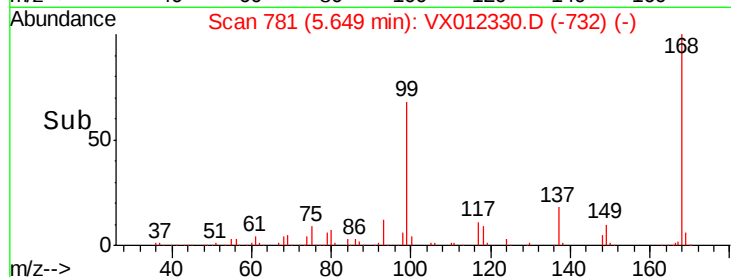
30000

20000

10000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012330.D

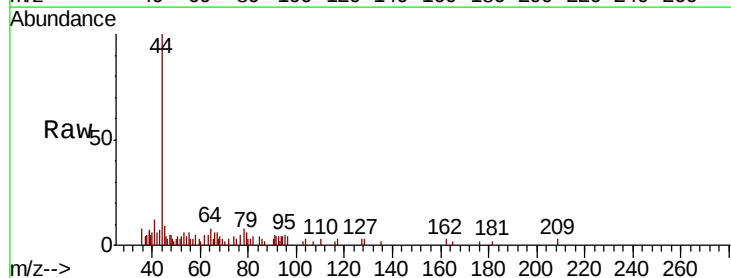
Acq: 12 Sep 2019 05:06

Tgt Ion: 94 Resp: 226

Ion Ratio Lower Upper

94 100

96 15.8 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

200

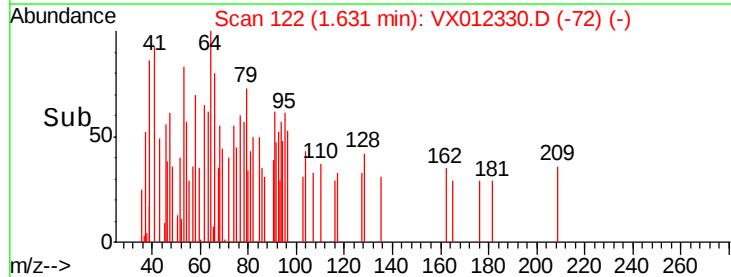
150

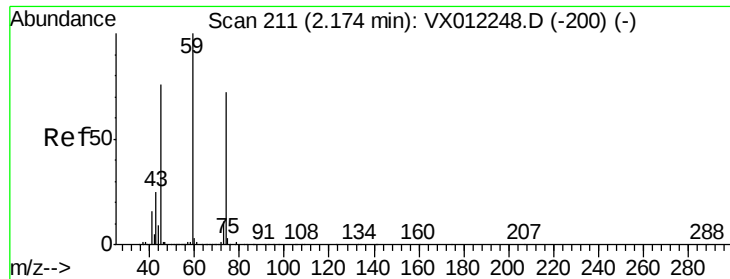
100

50

0

Time--> 1.62 1.64 1.66





#8

Diethyl Ether

Concen: 1.625 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012330.D

Acq: 12 Sep 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

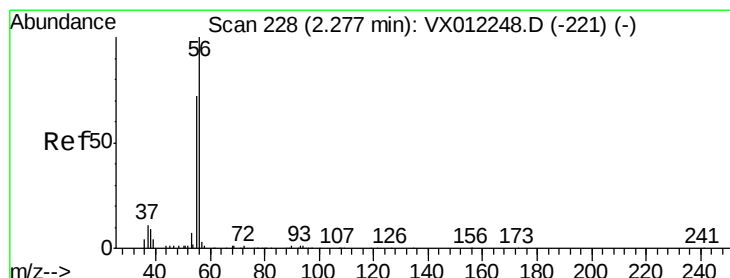
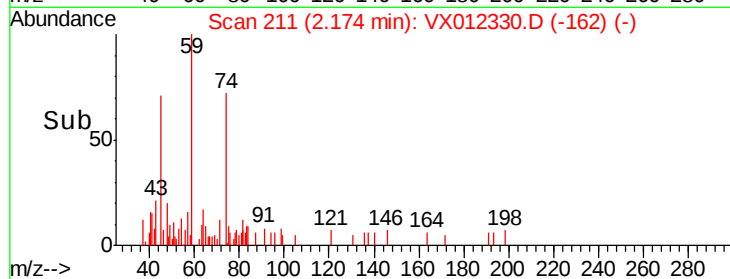
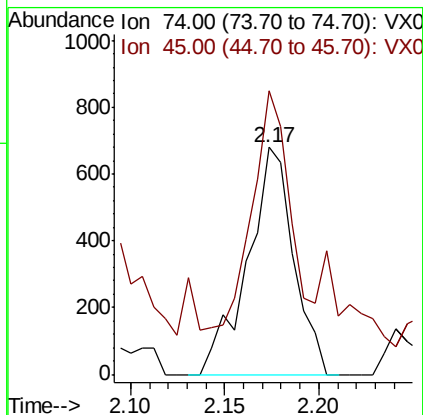
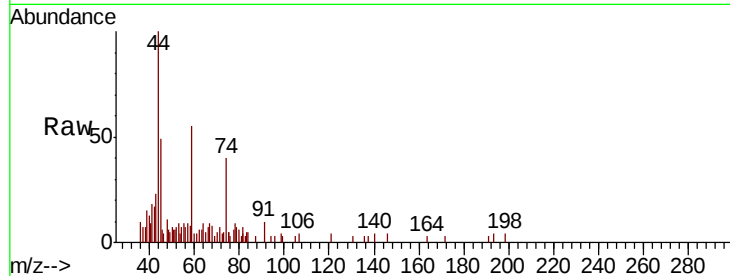
T2-2-(1.5)

Tgt Ion: 74 Resp: 1149

Ion Ratio Lower Upper

74 100

45 82.2 51.3 153.9



#13

Acrolein

Concen: 2.365 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012330.D

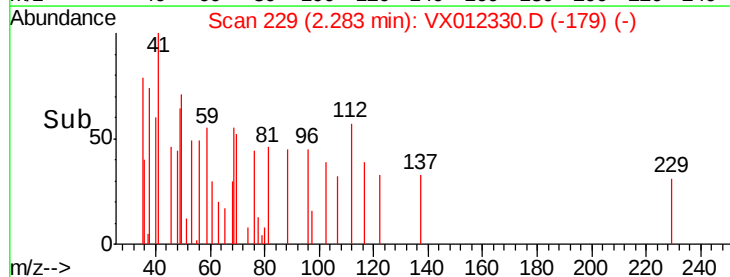
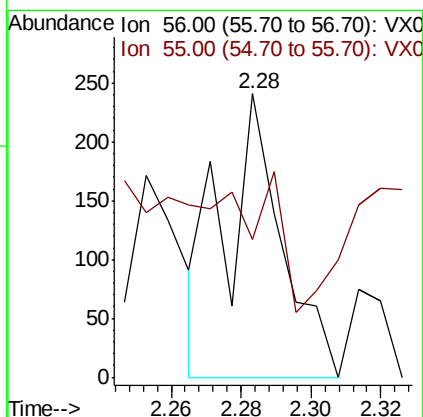
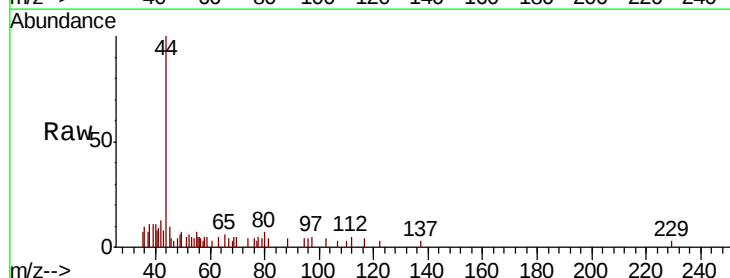
Acq: 12 Sep 2019 05:06

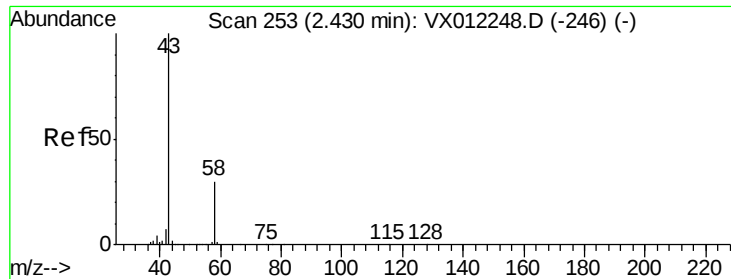
Tgt Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 0.0 59.8 89.6#





#16

Acetone

Concen: 3.254 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012330.D

Acq: 12 Sep 2019 05:06

Instrument :

MSVOA_X

ClientSampled :

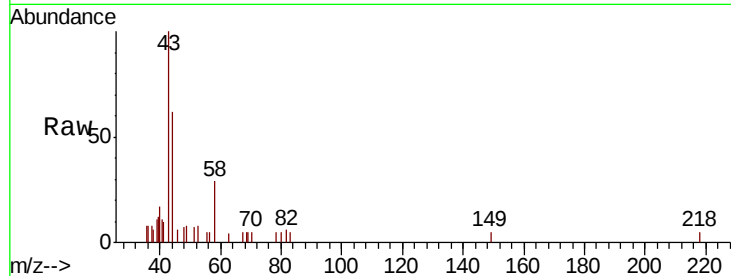
T2-2-(1.5)

Tgt Ion: 43 Resp: 1707

Ion Ratio Lower Upper

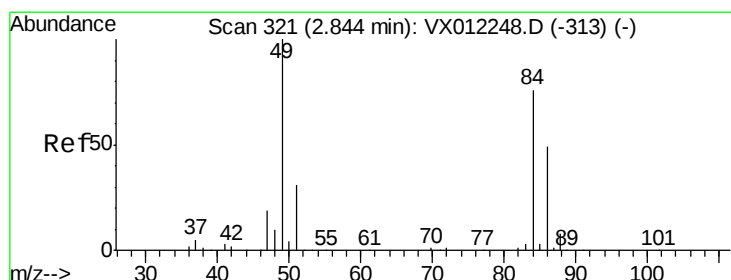
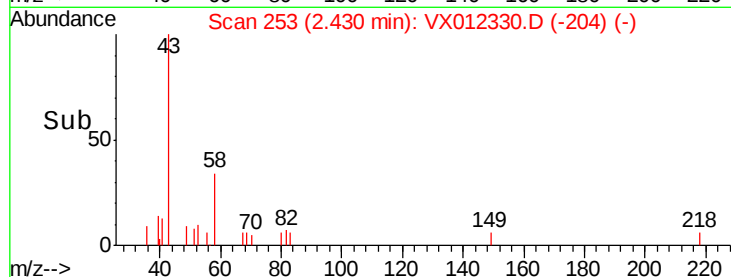
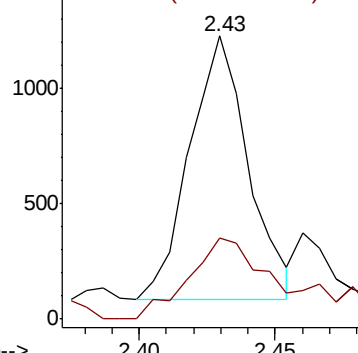
43 100

58 31.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 1.112 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012330.D

Acq: 12 Sep 2019 05:06

Tgt Ion: 84 Resp: 6036

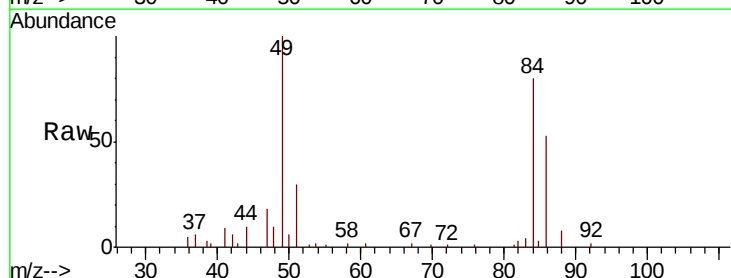
Ion Ratio Lower Upper

84 100

49 123.2 105.0 157.6

51 35.4 32.6 48.8

86 66.0 51.8 77.6

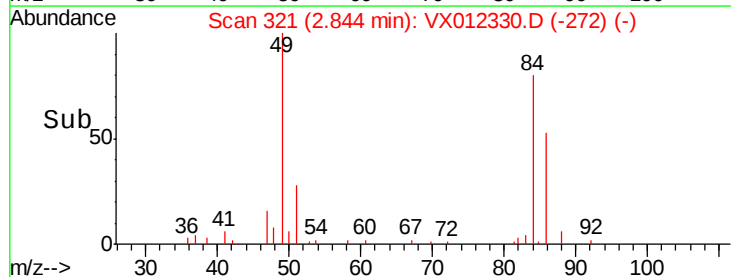
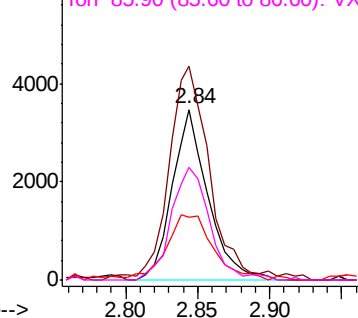


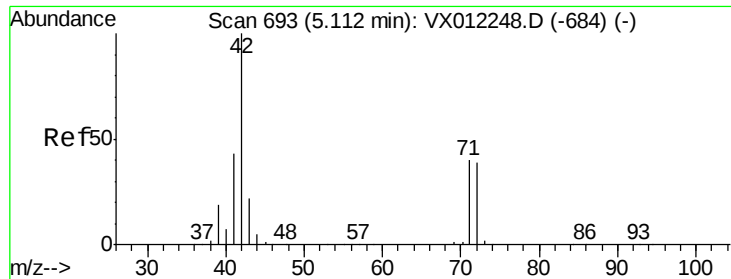
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

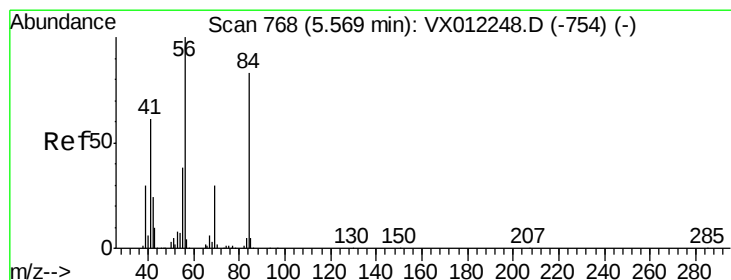
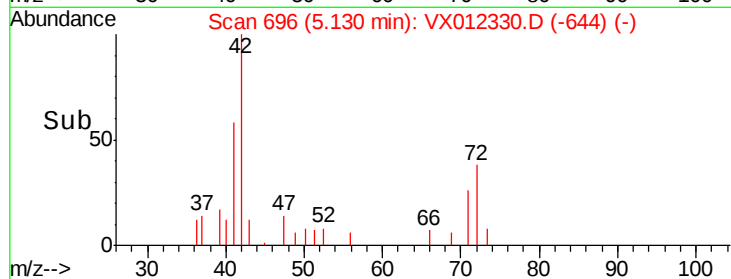
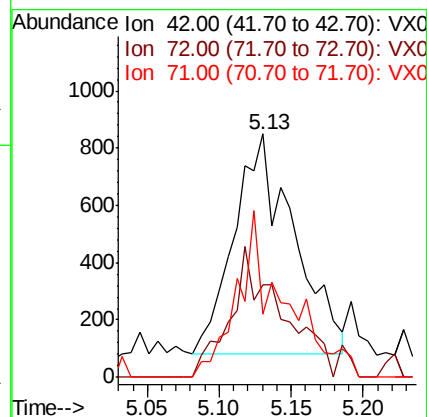
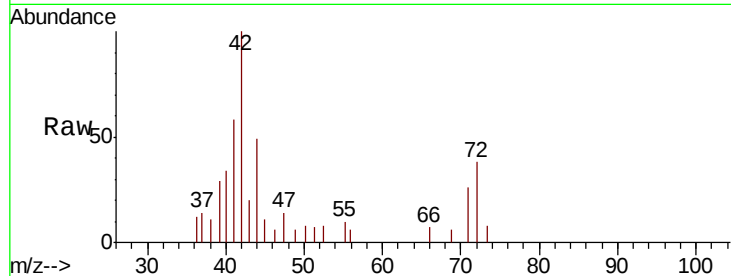




#29
Tetrahydrofuran
Concen: 6.119 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012330.D
Acq: 12 Sep 2019 05:06

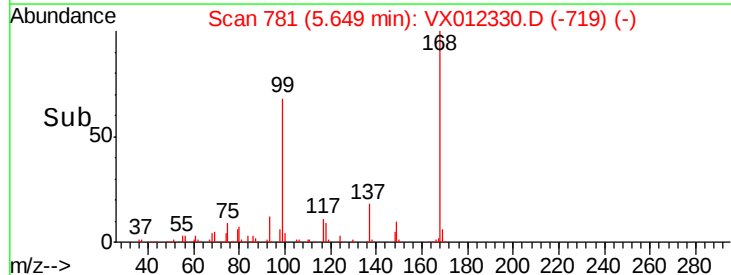
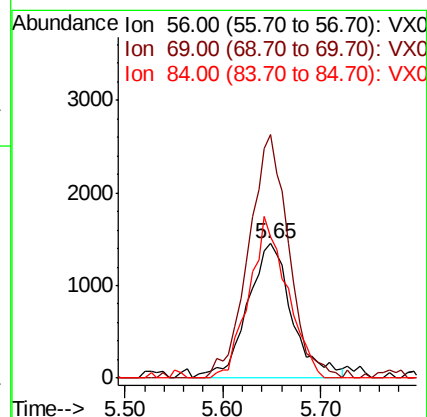
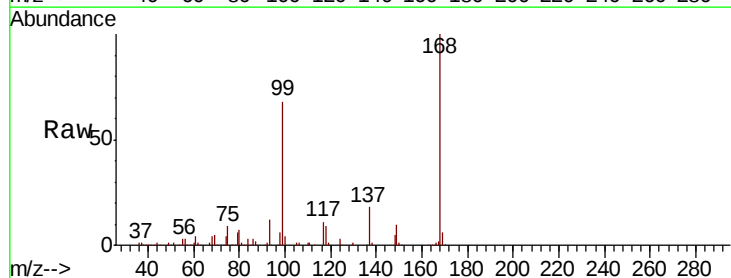
Instrument :
MSVOA_X
ClientSampled :
T2-2-(1.5)

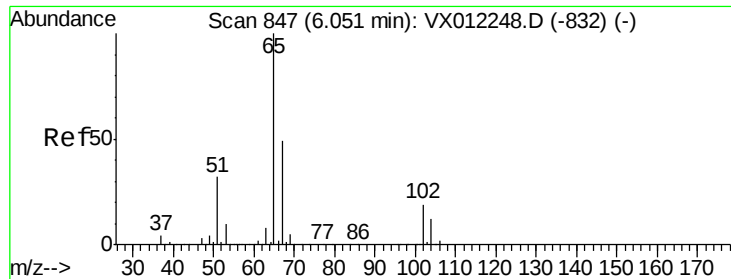
Tgt Ion: 42 Resp: 2214
Ion Ratio Lower Upper
42 100
72 51.5 35.2 52.8
71 59.6 32.5 48.7#



#31
Cyclohexane
Concen: 2.235 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012330.D
Acq: 12 Sep 2019 05:06

Tgt Ion: 56 Resp: 4598
Ion Ratio Lower Upper
56 100
69 180.7 23.8 35.6#
84 104.7 66.6 100.0#

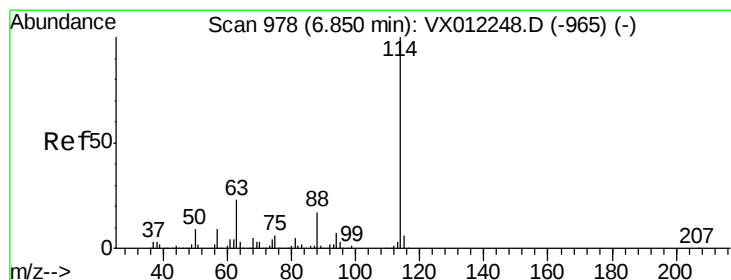
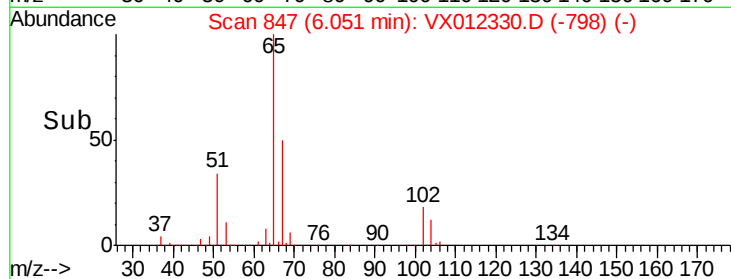
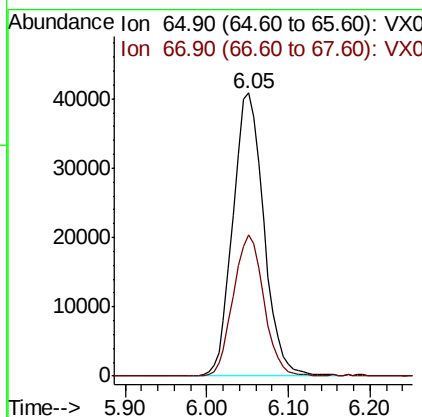
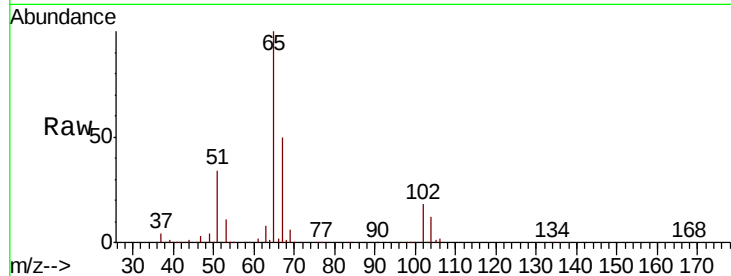




#33
 1,2-Dichloroethane-d4
 Concen: 48.467 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012330.D
 Acq: 12 Sep 2019 05:06

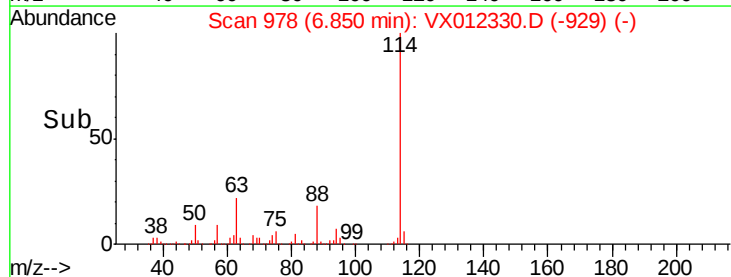
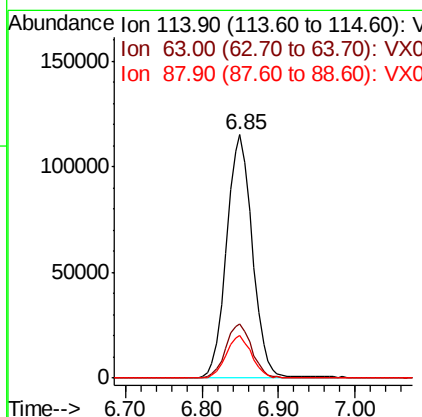
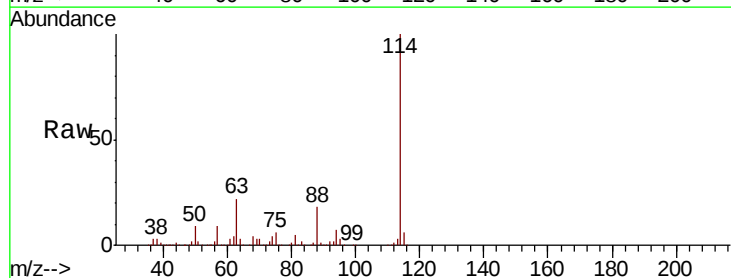
Instrument :
 MSVOA_X
 ClientSampleId :
 T2-2-(1.5)

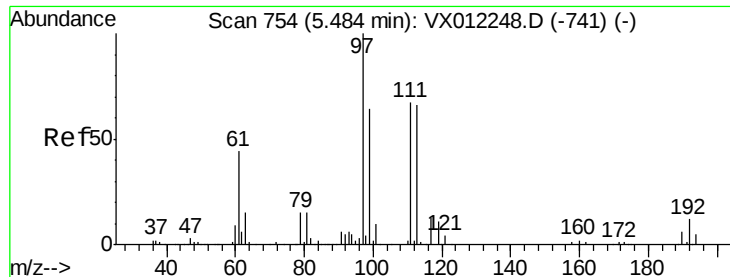
Tgt Ion: 65 Resp: 107399
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012330.D
 Acq: 12 Sep 2019 05:06

Tgt Ion: 114 Resp: 269331
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.2
 88 17.5 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.630 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012330.D

Acq: 12 Sep 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
T2-2-(1.5)

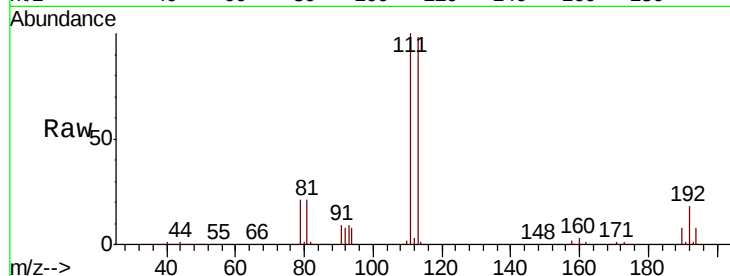
Tgt Ion:113 Resp: 80508

Ion Ratio Lower Upper

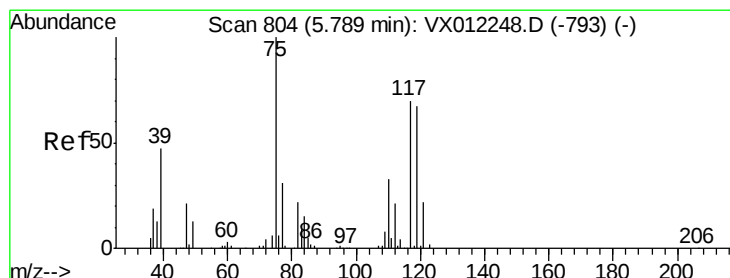
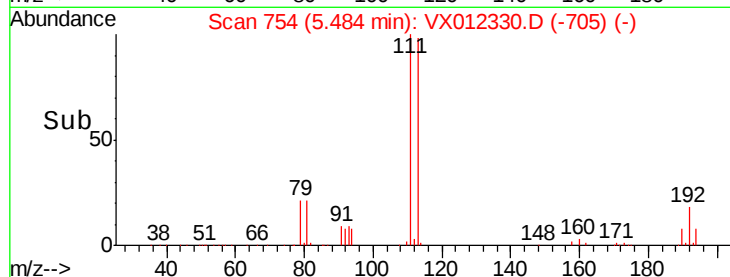
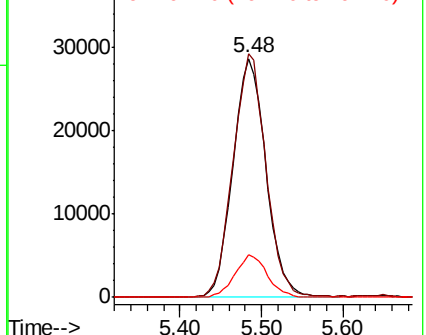
113 100

111 101.2 83.0 124.6

192 17.5 14.3 21.5



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: 7.277 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012330.D

Acq: 12 Sep 2019 05:06

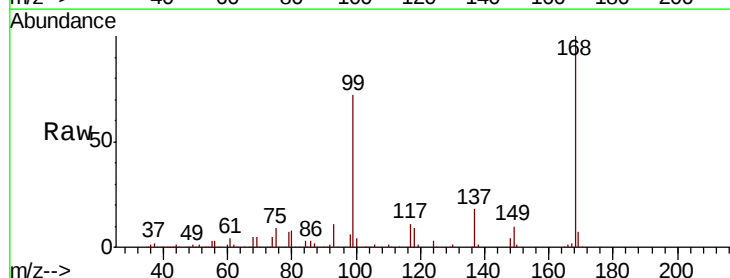
Tgt Ion: 75 Resp: 14291

Ion Ratio Lower Upper

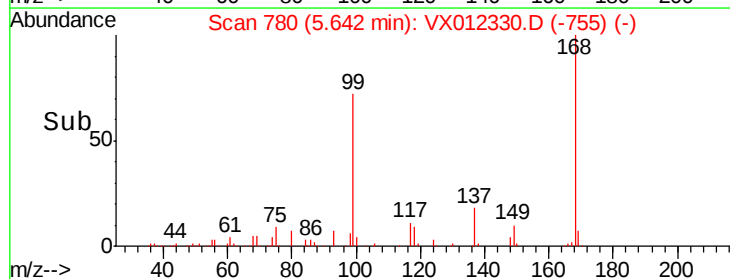
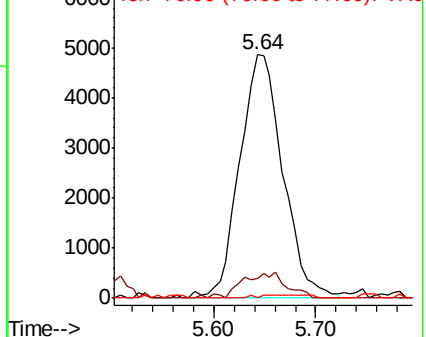
75 100

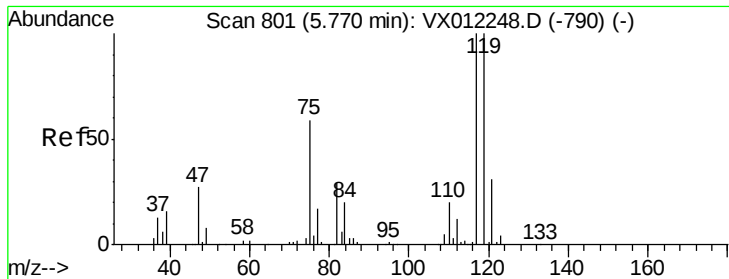
110 0.0 16.8 50.4#

77 0.0 24.5 36.7#



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: 7.797 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012330.D

Acq: 12 Sep 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

T2-2-(1.5)

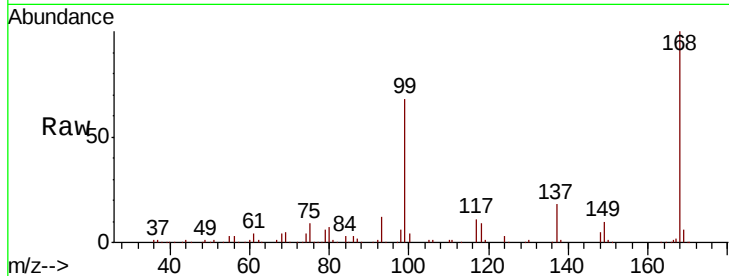
Tgt Ion:117 Resp: 17966

Ion Ratio Lower Upper

117 100

119 4.7 79.6 119.4#

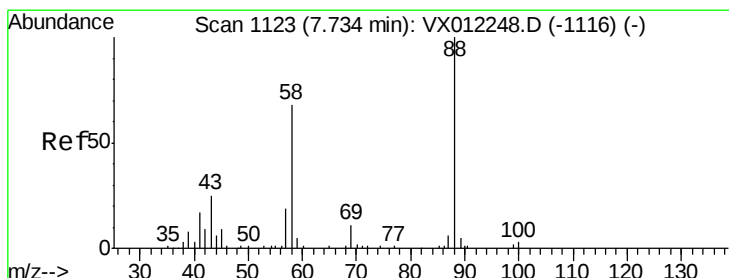
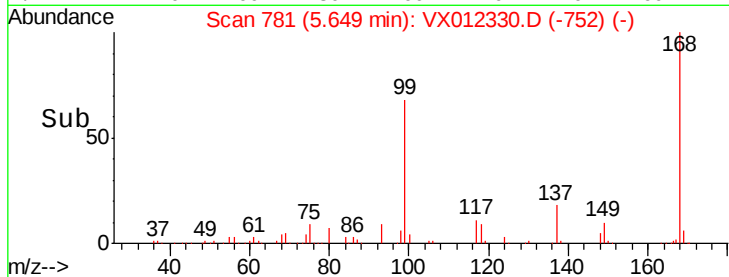
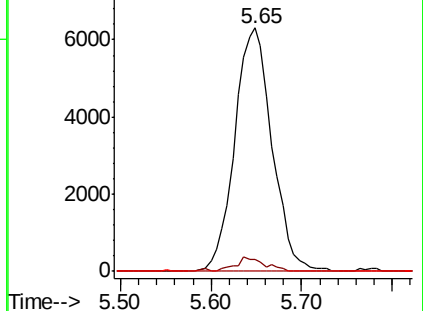
121 0.0 24.7 37.1#



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: 1.149 ug/l

RT: 7.62 min Scan# 1105

Delta R.T. -0.11 min

Lab File: VX012330.D

Acq: 12 Sep 2019 05:06

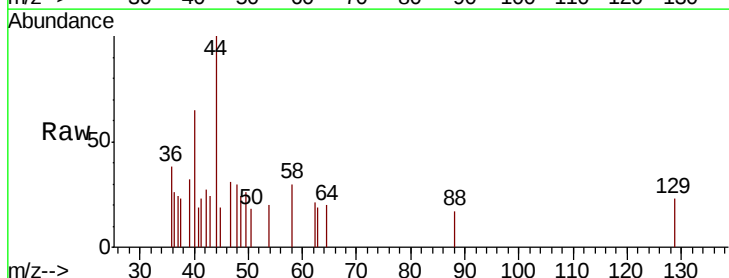
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 1152.6 31.0 46.4#

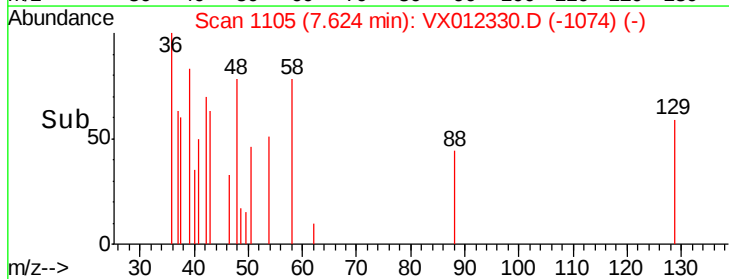
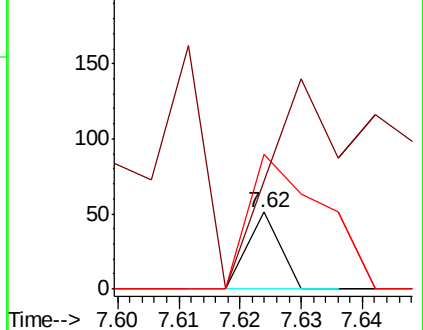
58 394.7 61.5 92.3#

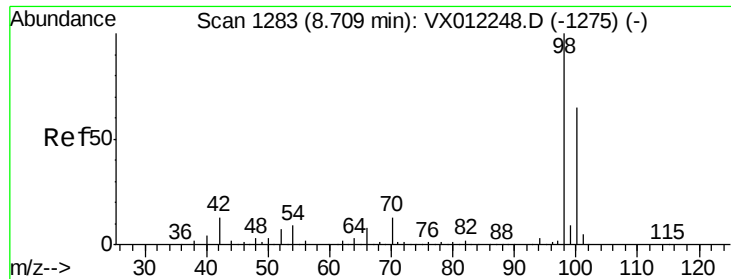


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

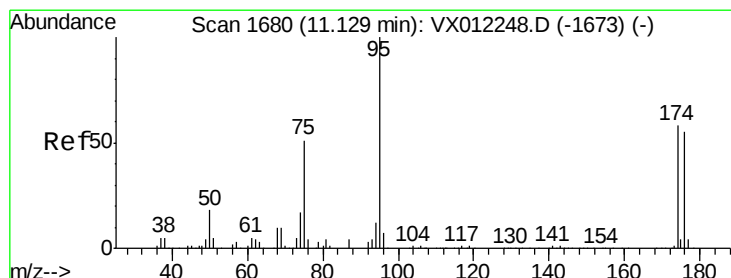
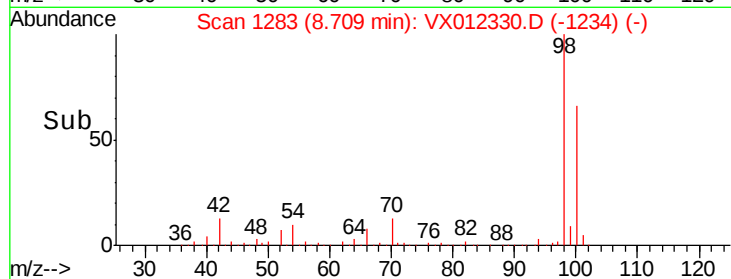
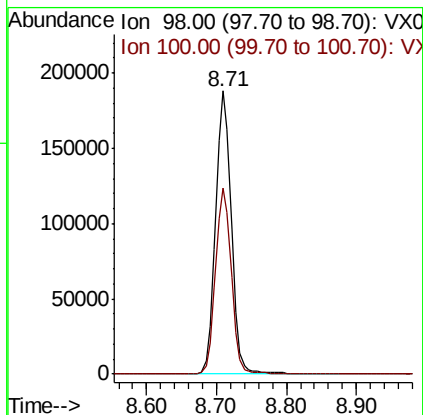
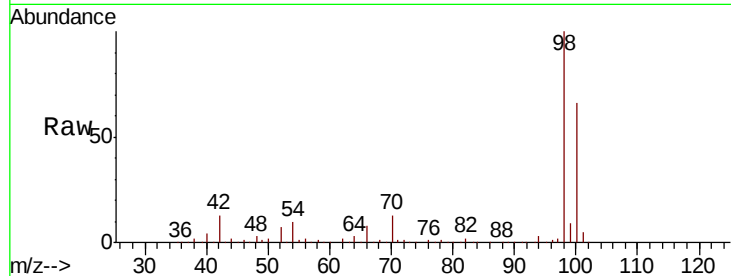




#50
Toluene-d8
Concen: 48.800 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012330.D
Acq: 12 Sep 2019 05:06

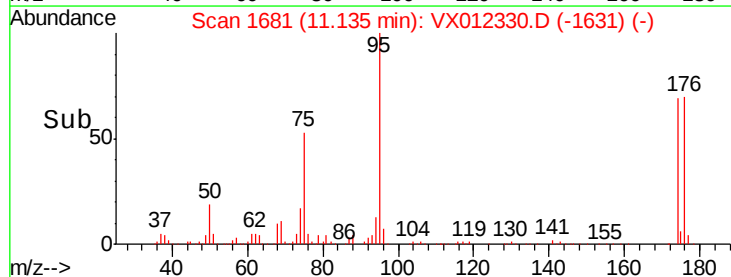
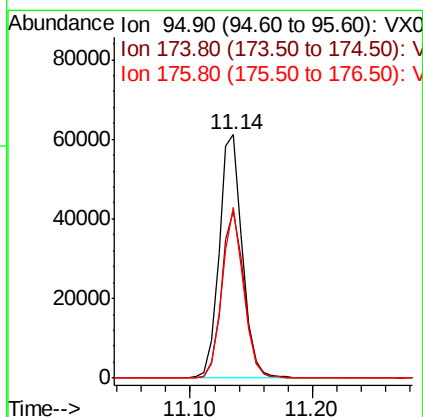
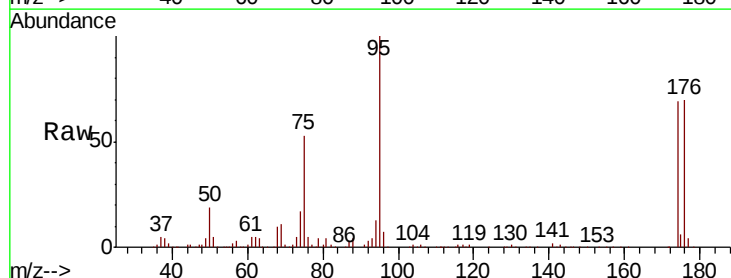
Instrument :
MSVOA_X
ClientSampleId :
T2-2-(1.5)

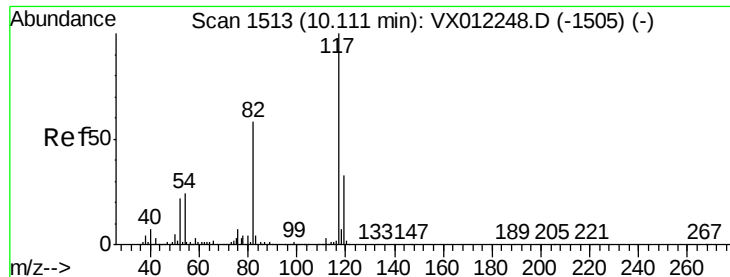
Tgt Ion: 98 Resp: 295514
Ion Ratio Lower Upper
98 100
100 66.4 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 28.500 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012330.D
Acq: 12 Sep 2019 05:06

Tgt Ion: 95 Resp: 80009
Ion Ratio Lower Upper
95 100
174 67.2 0.0 127.0
176 65.1 0.0 125.8

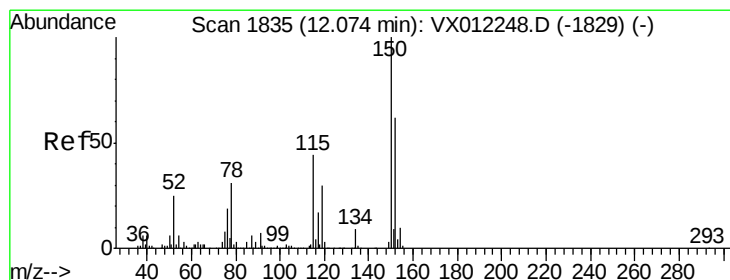
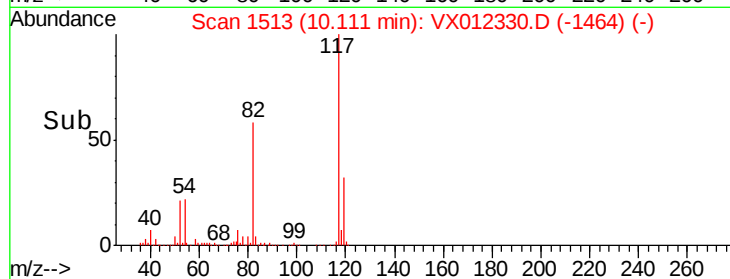
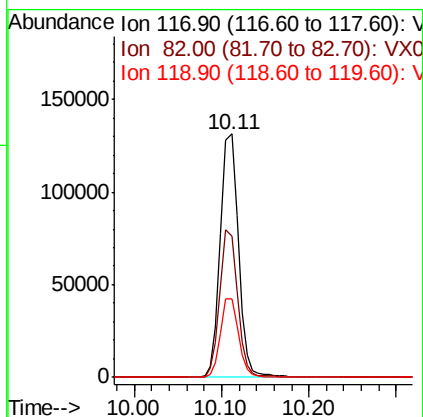
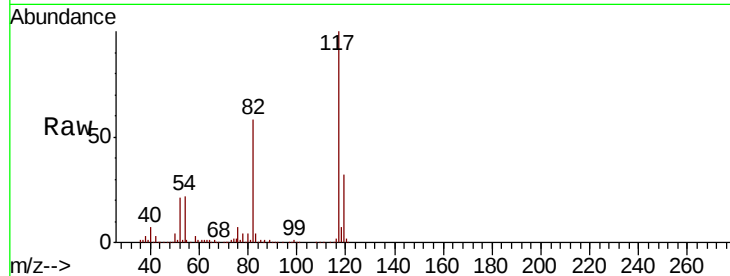




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012330.D
Acq: 12 Sep 2019 05:06

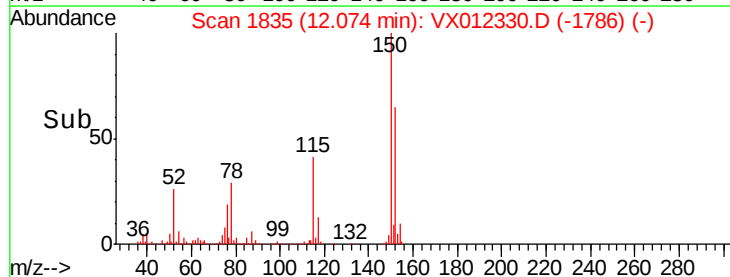
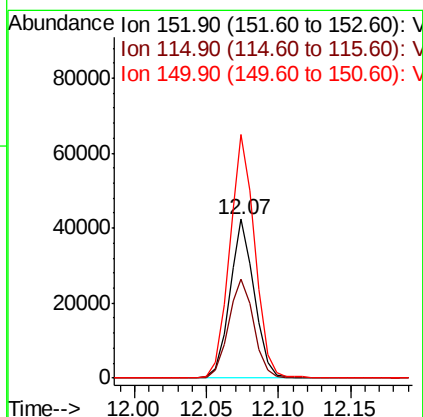
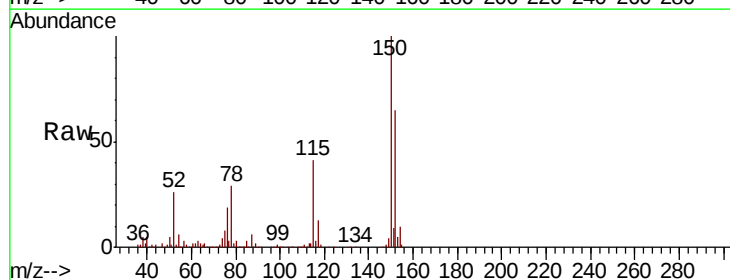
Instrument :
MSVOA_X
ClientSampleId :
T2-2-(1.5)

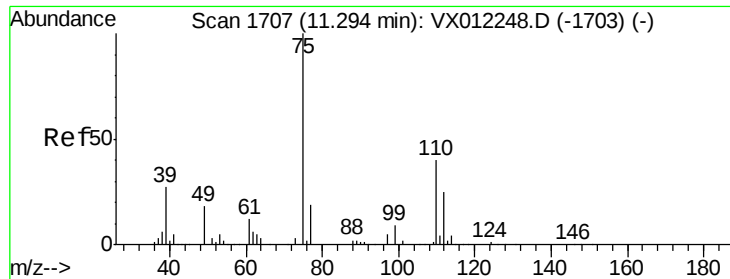
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.4	69.6
119	32.4	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012330.D
Acq: 12 Sep 2019 05:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	45.5	136.4
150	157.5	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 66.037 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012330.D

Acq: 12 Sep 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

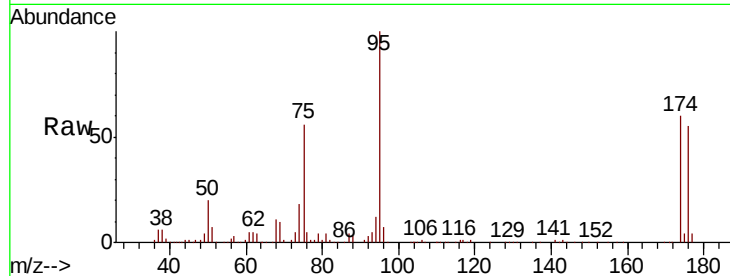
T2-2-(1.5)

Tgt Ion: 75 Resp: 42778

Ion Ratio Lower Upper

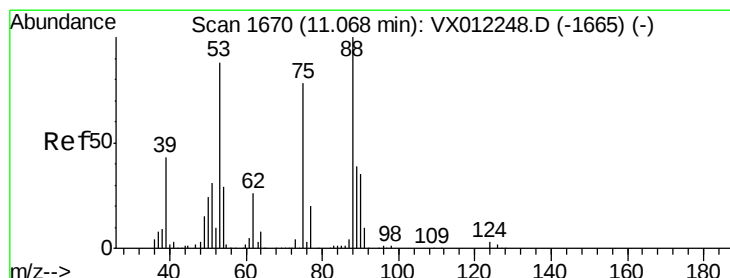
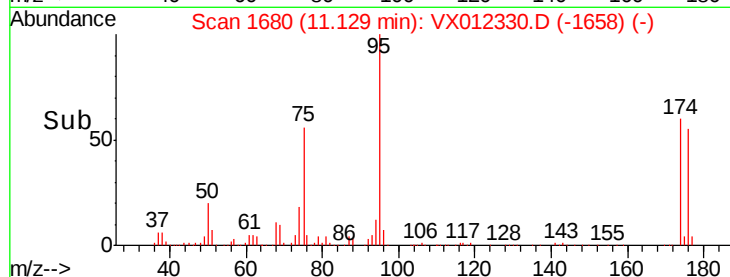
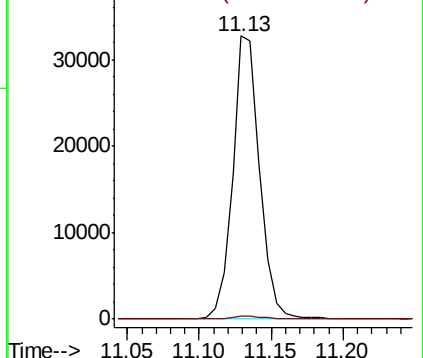
75 100

77 1.1 19.7 59.0#



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: 197.863 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012330.D

Acq: 12 Sep 2019 05:06

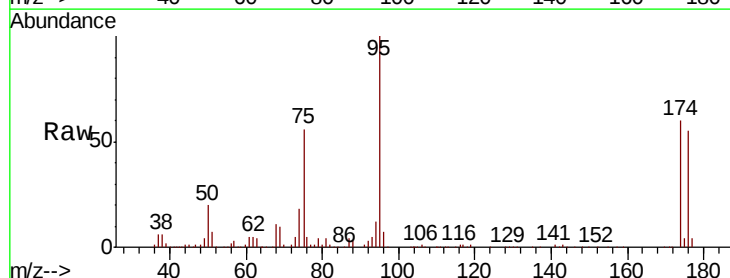
Tgt Ion: 75 Resp: 42778

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#



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

