

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012329.D
 Acq On : 12 Sep 2019 04:38
 Operator : SY/SP
 Sample : K4694-13
 Misc : 3.58g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-2-(0)

Quant Time: Sep 12 05:45:54 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	156559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	265889	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	183345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	49608	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	109408	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
35) Dibromofluoromethane	5.48	113	79597	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
50) Toluene-d8	8.71	98	285127	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.13	95	75357	27.19	ug/l	0.00
Spiked Amount			Recovery	=	54.38%	

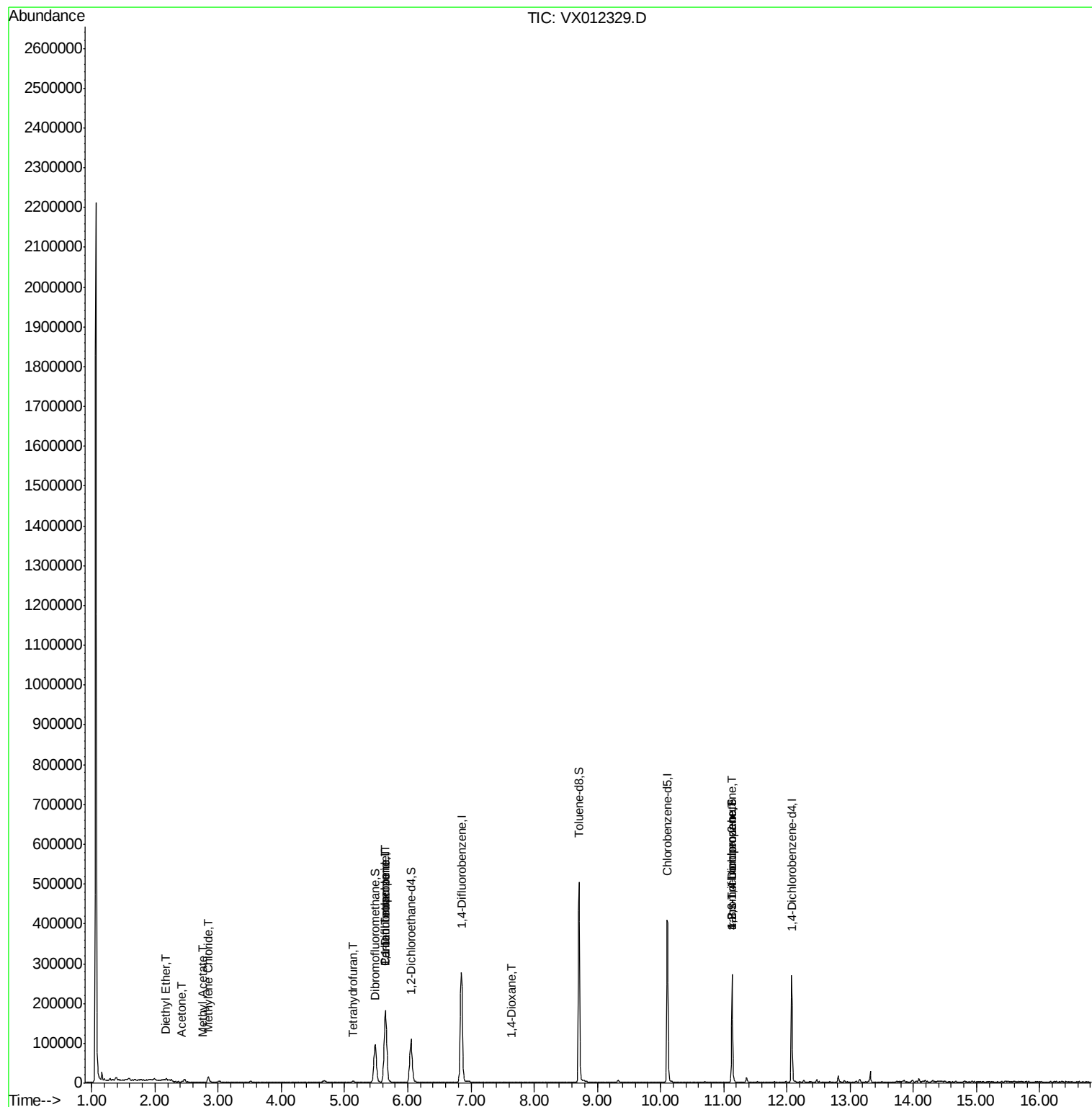
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	265	Below Cal		99
8) Diethyl Ether	2.17	74	999	1.414	ug/l	93
11) Tert butyl alcohol	3.02	59	1684	Below Cal		95
16) Acetone	2.42	43	2327	4.441	ug/l #	73
18) Methyl Acetate	2.76	43	1257	1.141	ug/l #	75
20) Methylene Chloride	2.84	84	5903	1.030	ug/l	94
29) Tetrahydrofuran	5.13	42	3029	8.381	ug/l #	79
36) 1,1-Dichloropropene	5.64	75	14356	7.405	ug/l #	52
38) Carbon Tetrachloride	5.64	117	18132	7.971	ug/l #	15
49) 1,4-Dioxane	7.64	88	22	1.348	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	40619	63.737	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	40619	190.971	ug/l #	5

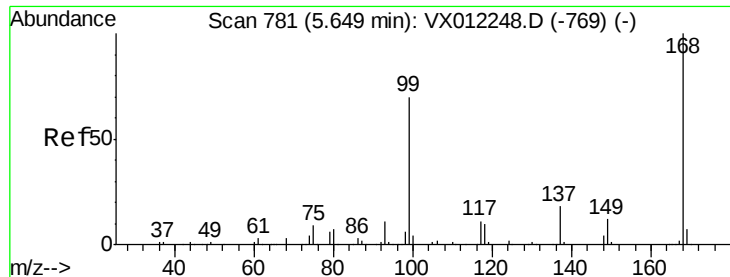
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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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: VX012329.D

Acq: 12 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

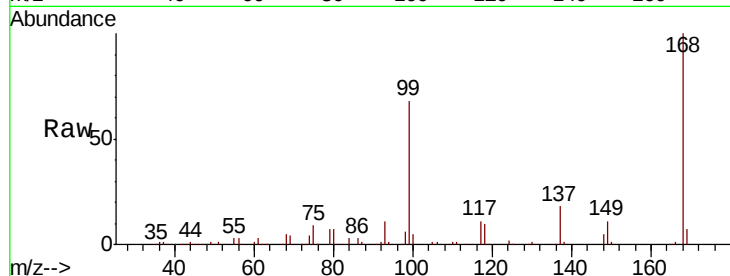
T2-2-(0)

Tgt Ion: 168 Resp: 156559

Ion Ratio Lower Upper

168 100

99 67.5 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

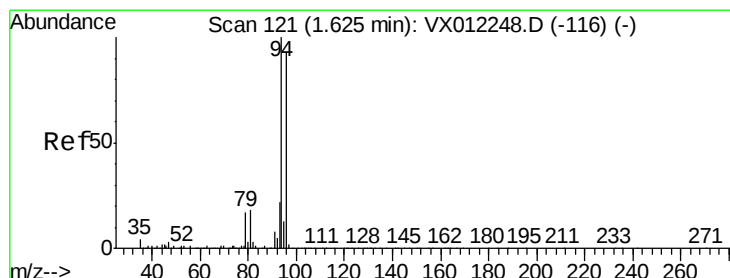
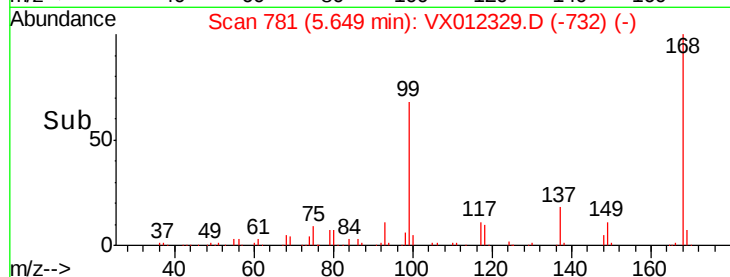
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012329.D

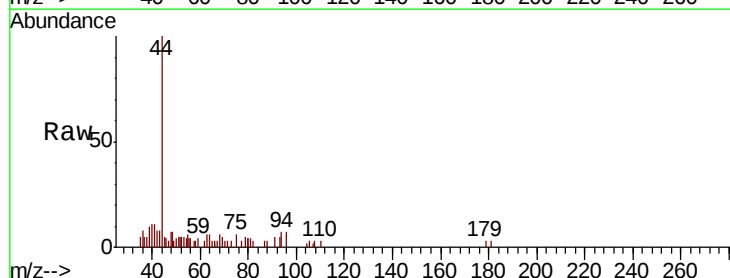
Acq: 12 Sep 2019 04:38

Tgt Ion: 94 Resp: 265

Ion Ratio Lower Upper

94 100

96 93.8 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

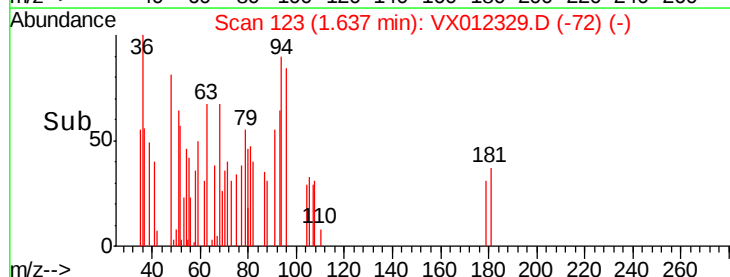
100

50

0

Time-->

1.60 1.65

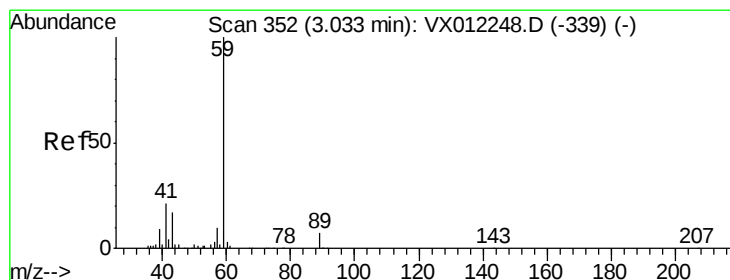
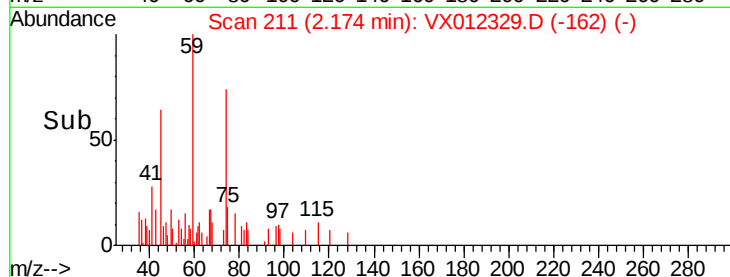
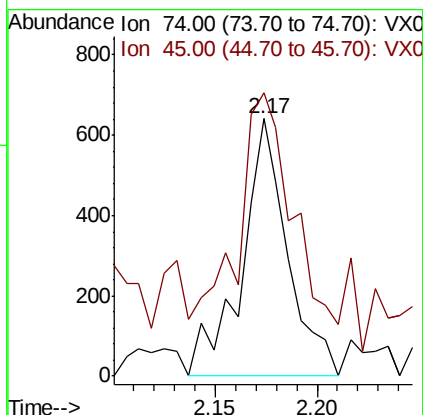
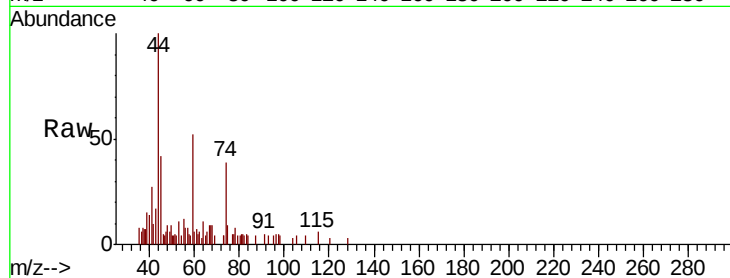




#8
Diethyl Ether
Concen: 1.414 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012329.D
Acq: 12 Sep 2019 04:38

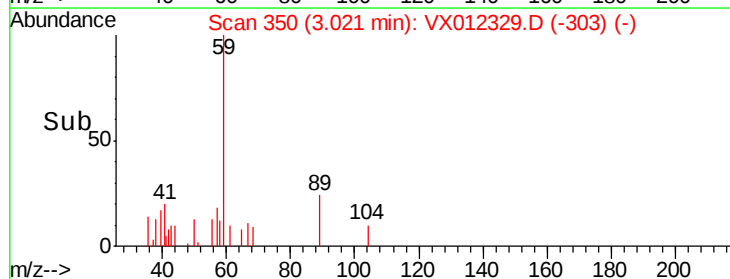
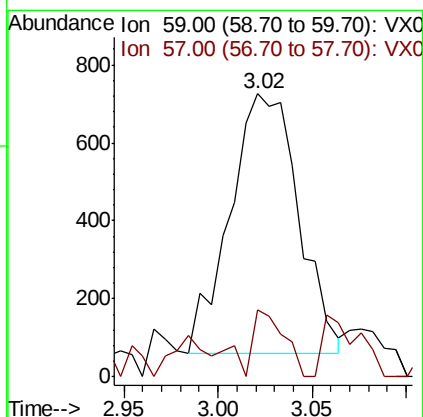
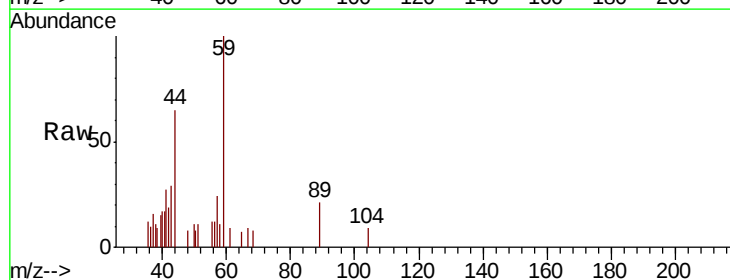
Instrument :
MSVOA_X
ClientSampled :
T2-2-(0)

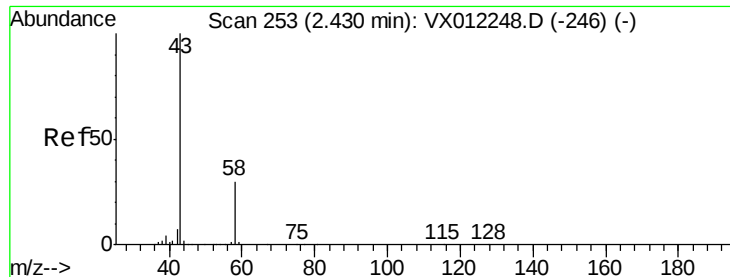
Tgt Ion: 74 Resp: 999
Ion Ratio Lower Upper
74 100
45 95.7 51.3 153.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012329.D
Acq: 12 Sep 2019 04:38

Tgt Ion: 59 Resp: 1684
Ion Ratio Lower Upper
59 100
57 11.4 7.8 11.6





#16

Acetone

Concen: 4.441 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012329.D

Acq: 12 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampled :

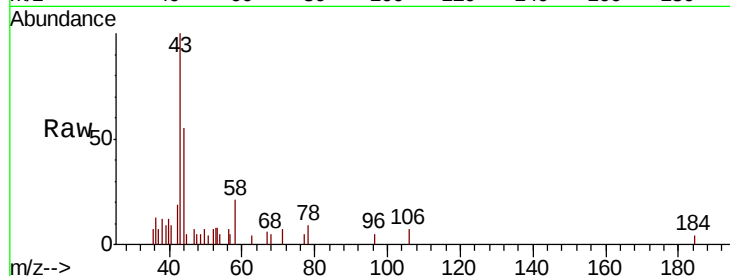
T2-2(0)

Tgt Ion: 43 Resp: 2327

Ion Ratio Lower Upper

43 100

58 14.7 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

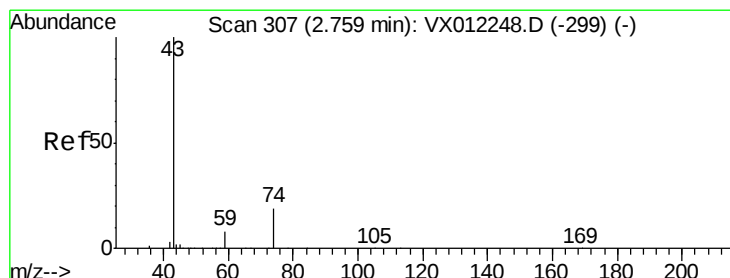
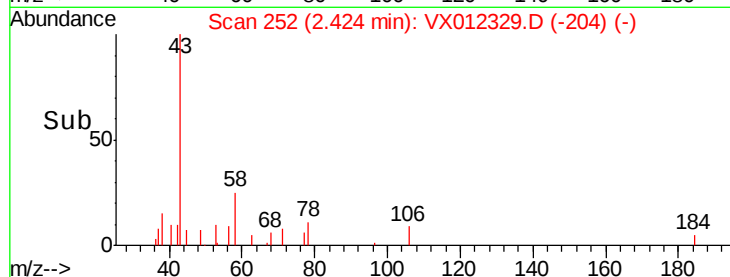
1000

500

0

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 1.141 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX012329.D

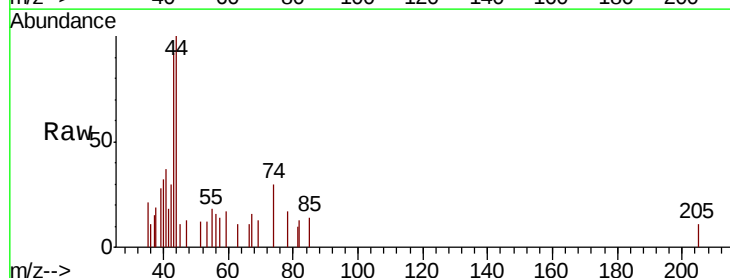
Acq: 12 Sep 2019 04:38

Tgt Ion: 43 Resp: 1257

Ion Ratio Lower Upper

43 100

74 11.0 18.3 27.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

500

400

300

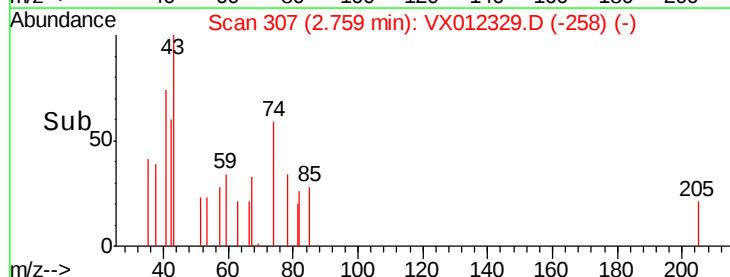
200

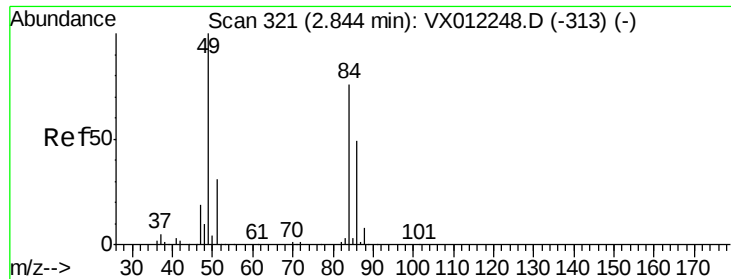
100

0

2.70 2.75 2.80

Time-->

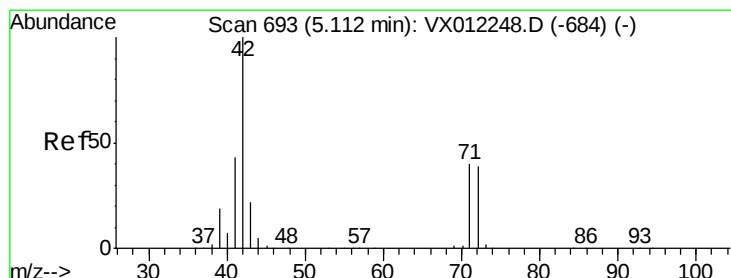
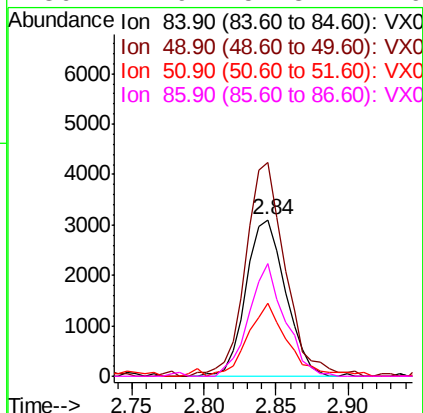
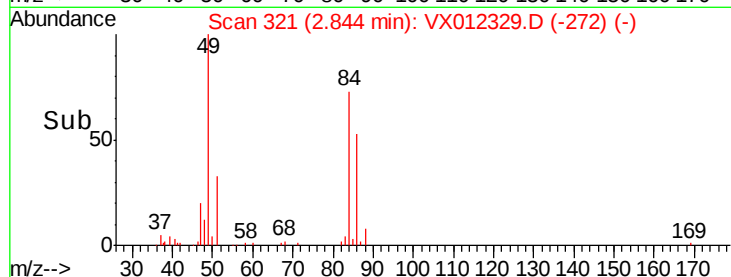
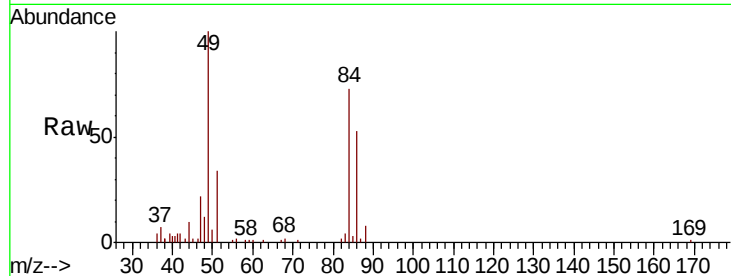




#20
Methylene Chloride
Concen: 1.030 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012329.D
Acq: 12 Sep 2019 04:38

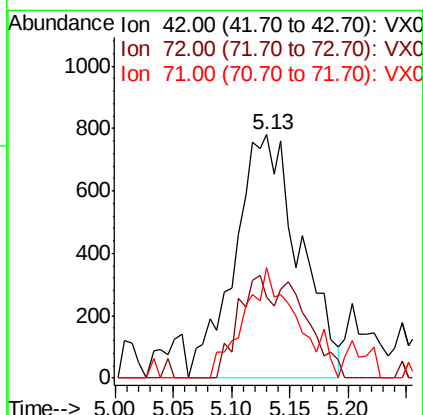
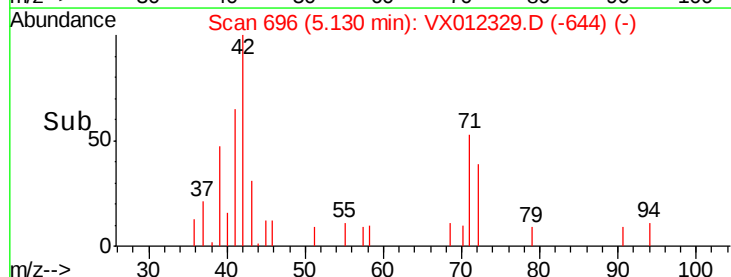
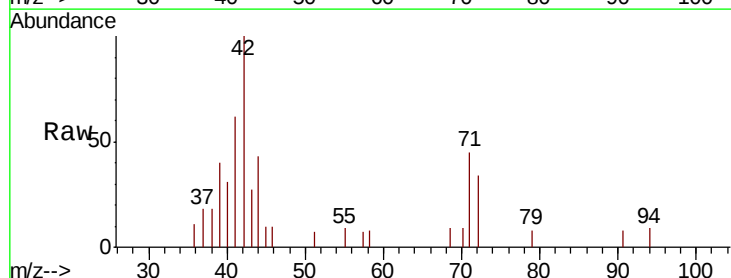
Instrument :
MSVOA_X
ClientSampled :
T2-2-(0)

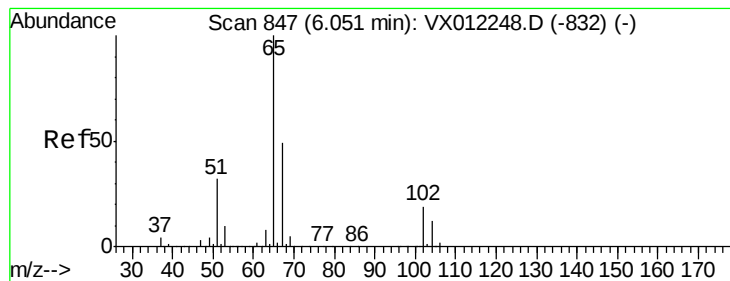
Tgt Ion:	84	Resp:	5903
Ion	Ratio	Lower	Upper
84	100		
49	136.3	105.0	157.6
51	44.8	32.6	48.8
86	71.9	51.8	77.6



#29
Tetrahydrofuran
Concen: 8.381 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012329.D
Acq: 12 Sep 2019 04:38

Tgt Ion:	42	Resp:	3029
Ion	Ratio	Lower	Upper
42	100		
72	21.9	35.2	52.8#
71	37.1	32.5	48.7





#33

1,2-Dichloroethane-d4

Concen: 49.429 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012329.D

Acq: 12 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

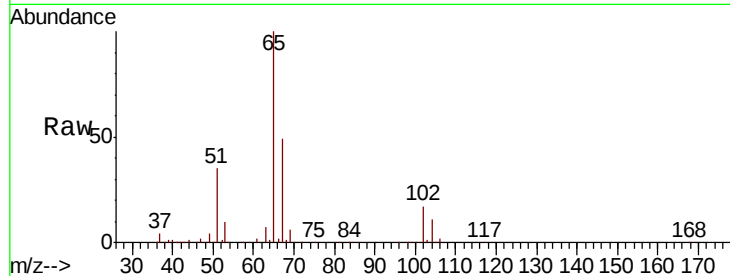
T2-2-(0)

Tgt Ion: 65 Resp: 109408

Ion Ratio Lower Upper

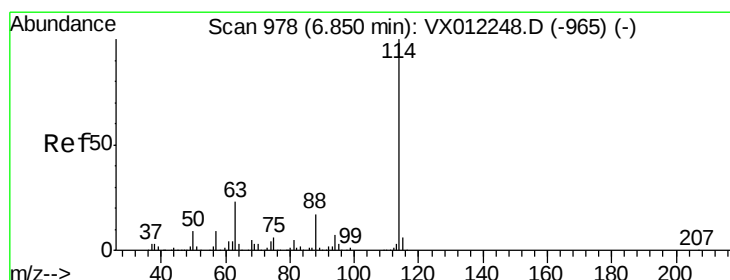
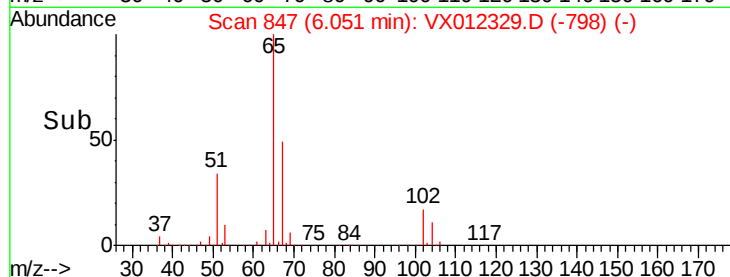
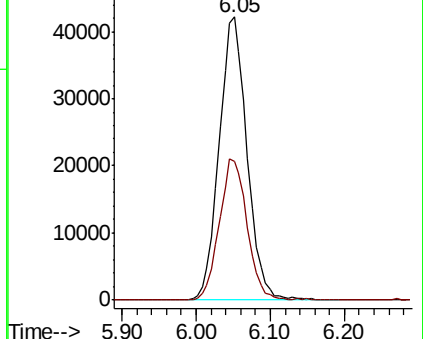
65 100

67 49.7 0.0 99.8



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: VX012329.D

Acq: 12 Sep 2019 04:38

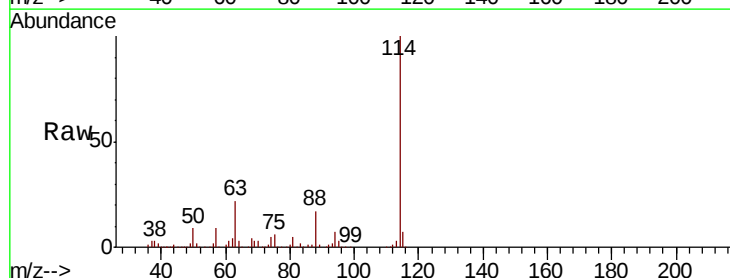
Tgt Ion: 114 Resp: 265889

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

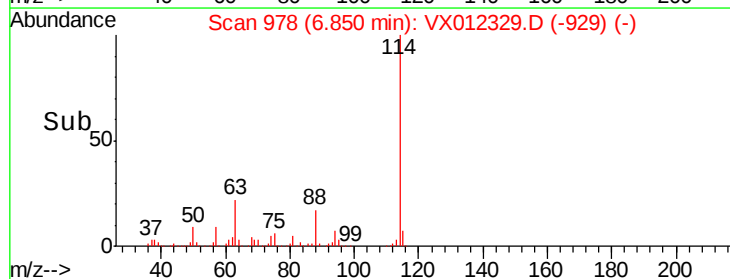
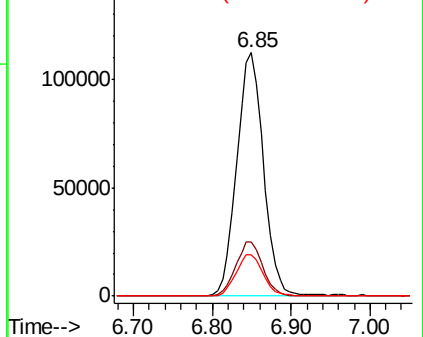
88 16.9 0.0 34.8

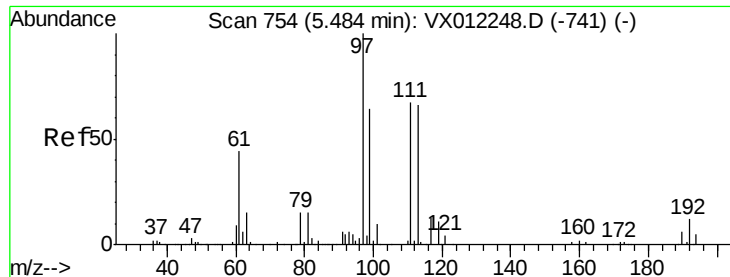


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.699 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012329.D

Acq: 12 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

T2-2-(0)

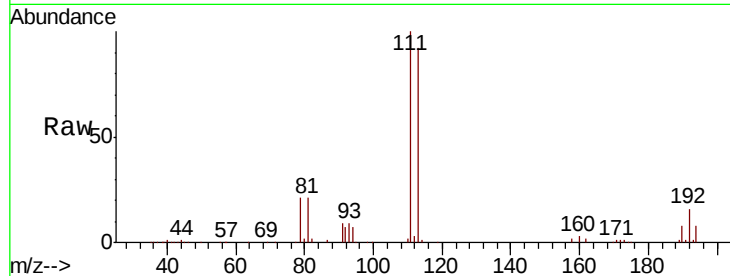
Tgt Ion:113 Resp: 79597

Ion Ratio Lower Upper

113 100

111 104.7 83.0 124.6

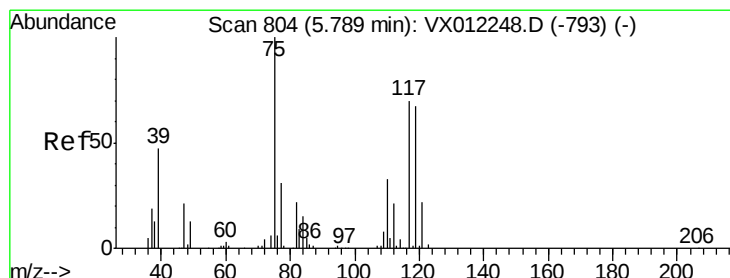
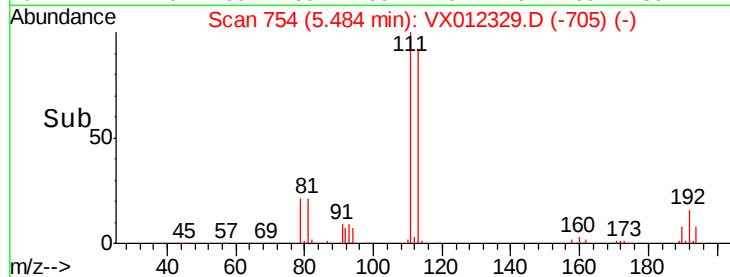
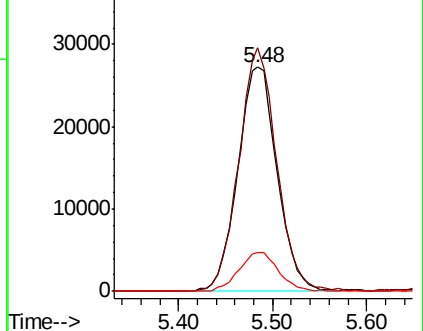
192 17.5 14.3 21.5



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: 7.405 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012329.D

Acq: 12 Sep 2019 04:38

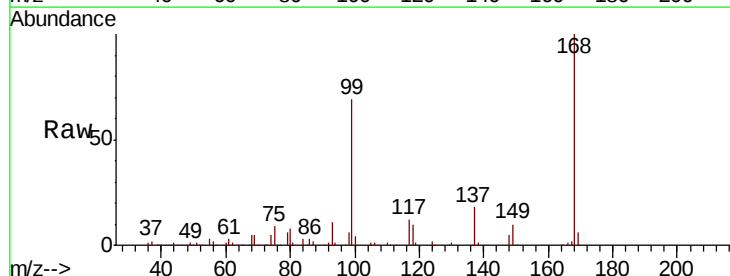
Tgt Ion: 75 Resp: 14356

Ion Ratio Lower Upper

75 100

110 10.6 16.8 50.4#

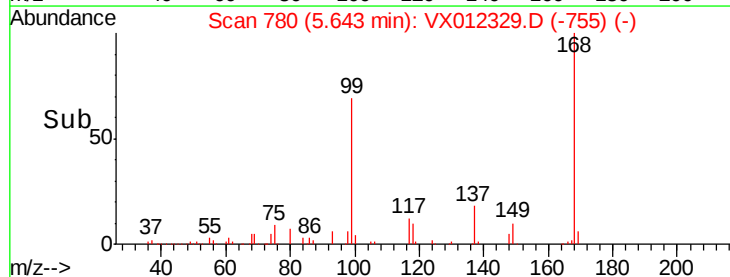
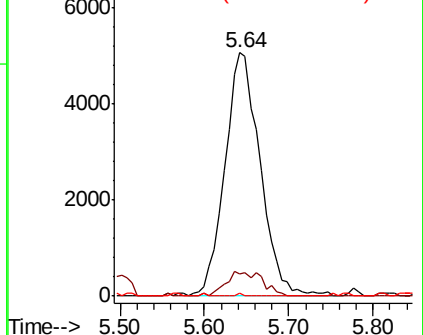
77 0.2 24.5 36.7#

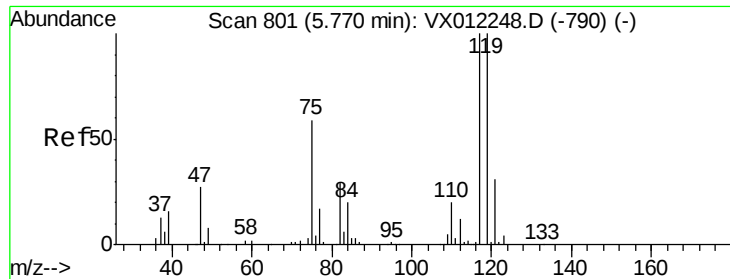


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.971 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012329.D

Acq: 12 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

T2-2-(0)

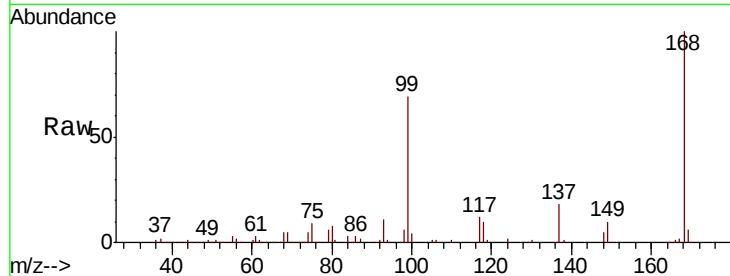
Tgt Ion:117 Resp: 18132

Ion Ratio Lower Upper

117 100

119 5.6 79.6 119.4#

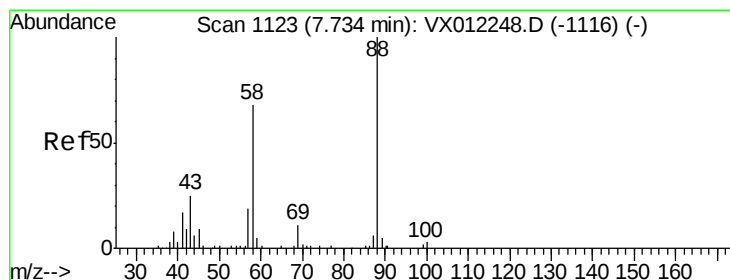
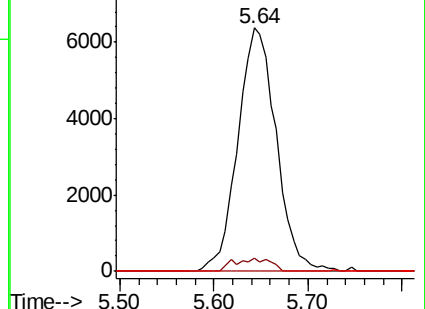
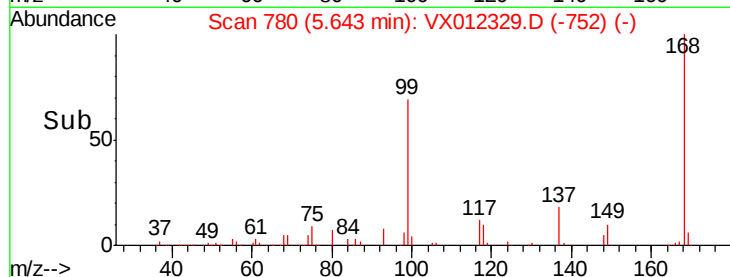
121 0.0 24.7 37.1#



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: 1.348 ug/l

RT: 7.64 min Scan# 1107

Delta R.T. -0.10 min

Lab File: VX012329.D

Acq: 12 Sep 2019 04:38

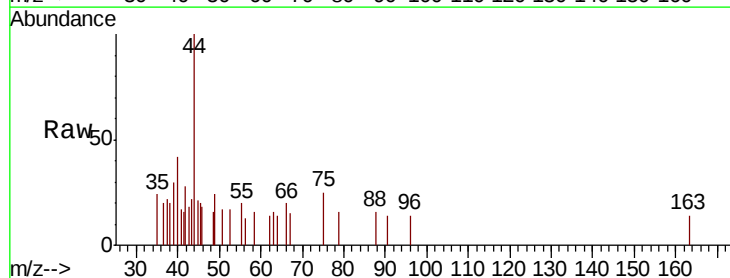
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 959.1 31.0 46.4#

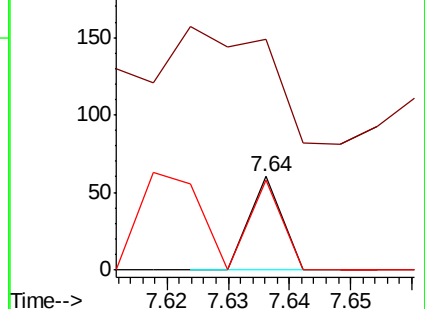
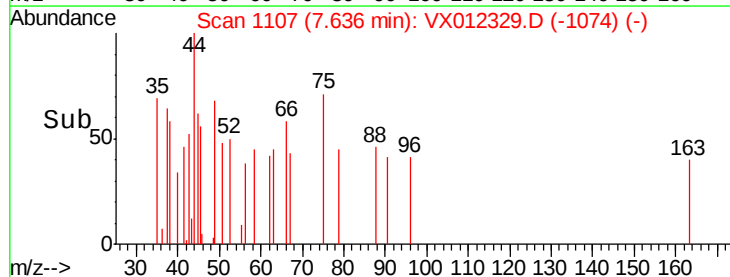
58 290.9 61.5 92.3#

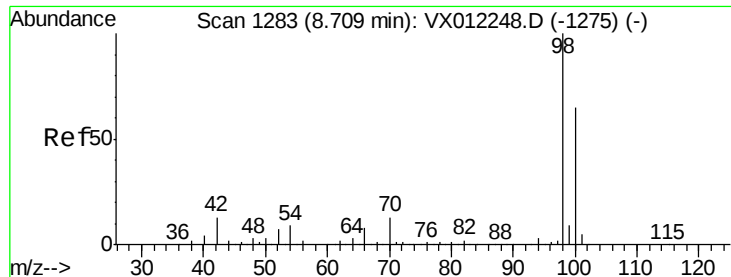


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

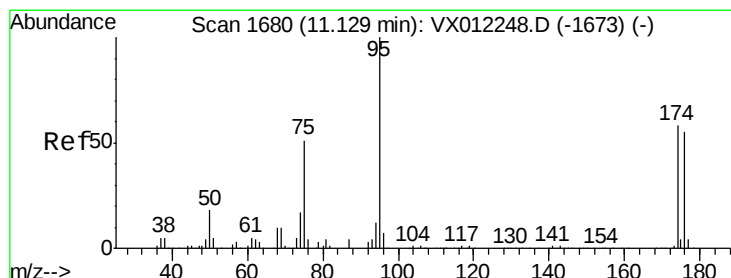
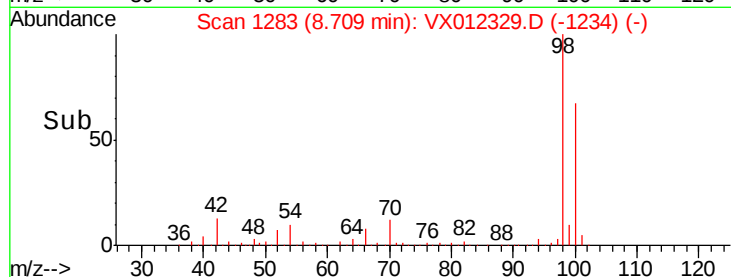
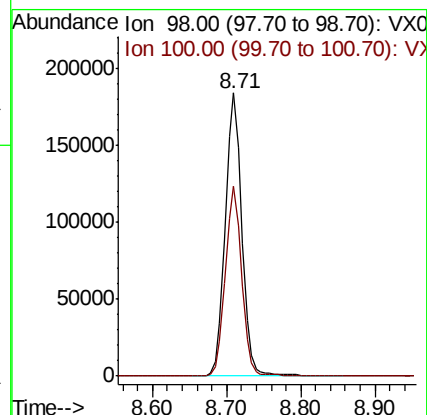
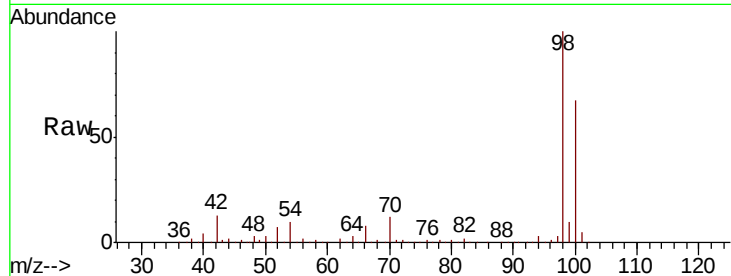




#50
Toluene-d8
Concen: 47.695 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012329.D
Acq: 12 Sep 2019 04:38

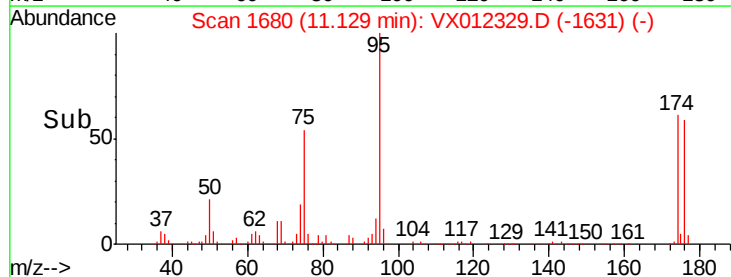
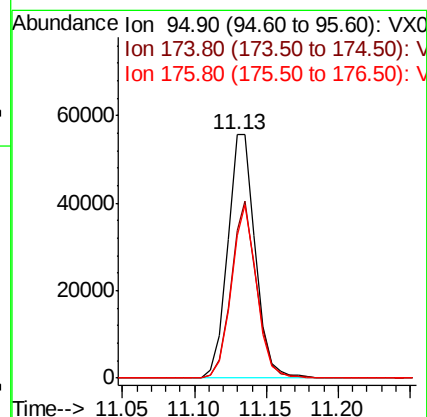
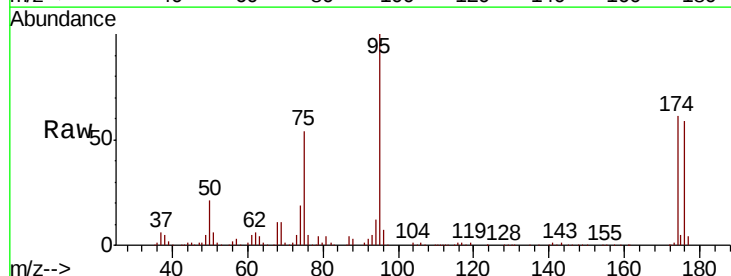
Instrument :
MSVOA_X
ClientSampleId :
T2-2-(0)

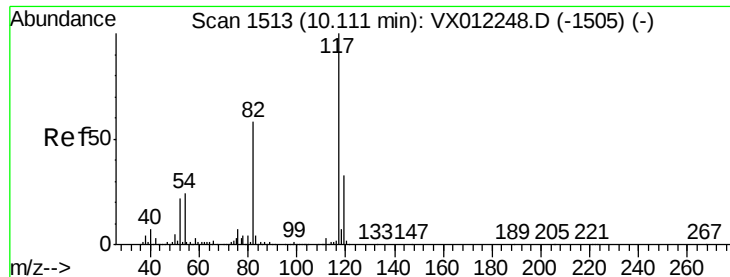
Tgt Ion: 98 Resp: 285127
Ion Ratio Lower Upper
98 100
100 66.5 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 27.190 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX012329.D
Acq: 12 Sep 2019 04:38

Tgt Ion: 95 Resp: 75357
Ion Ratio Lower Upper
95 100
174 67.1 0.0 127.0
176 65.0 0.0 125.8

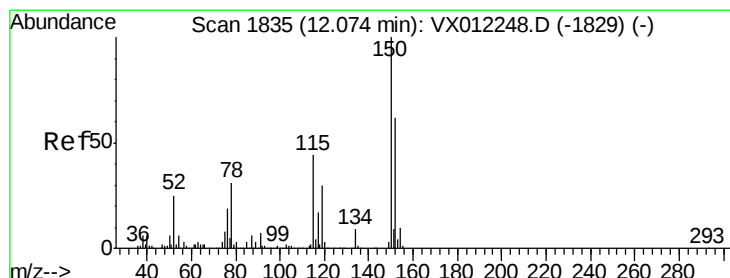
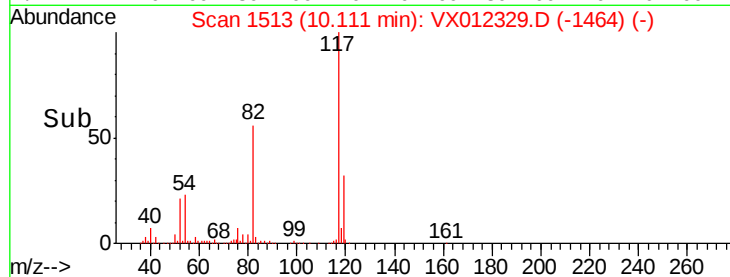
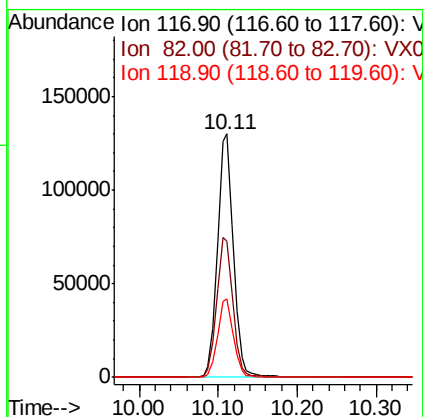
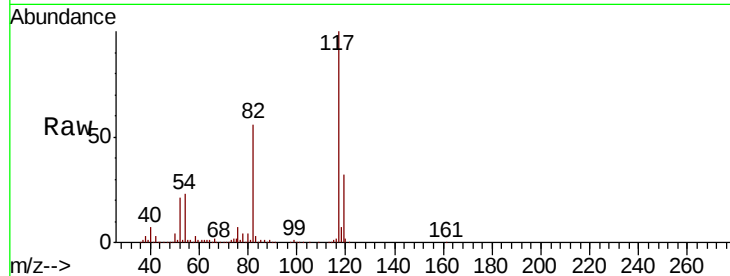




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012329.D
Acq: 12 Sep 2019 04:38

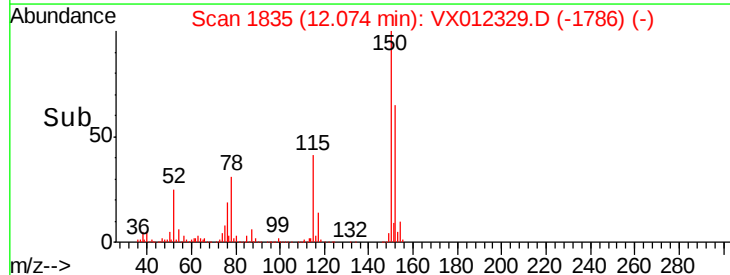
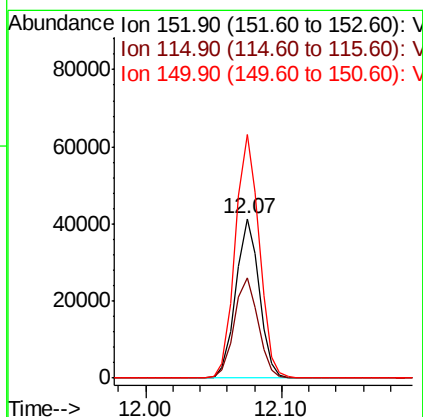
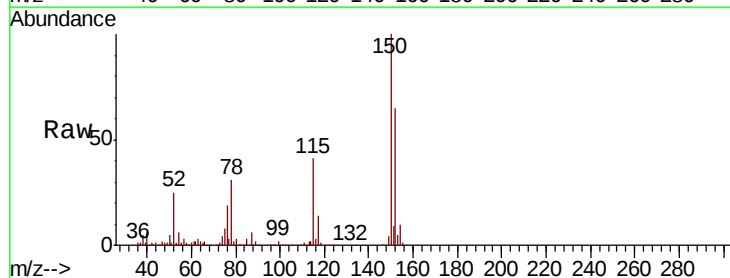
Instrument :
MSVOA_X
ClientSampleId :
T2-2-(0)

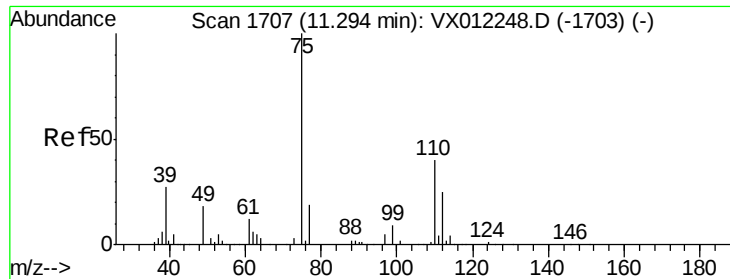
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.4	69.6
119	32.4	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012329.D
Acq: 12 Sep 2019 04:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	45.5	136.4
150	156.5	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 63.737 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012329.D

Acq: 12 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

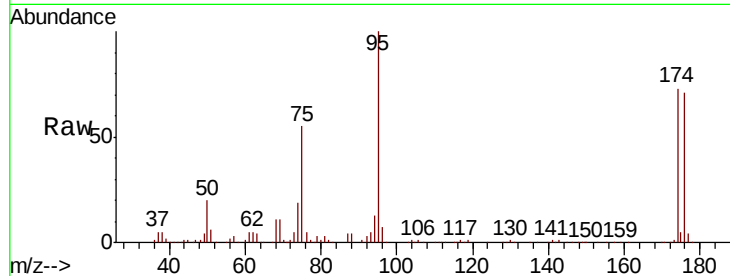
T2-2-(0)

Tgt Ion: 75 Resp: 40619

Ion Ratio Lower Upper

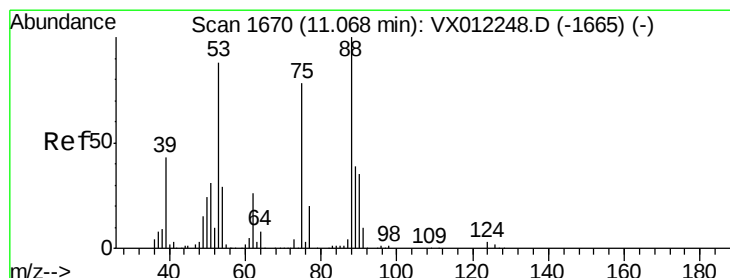
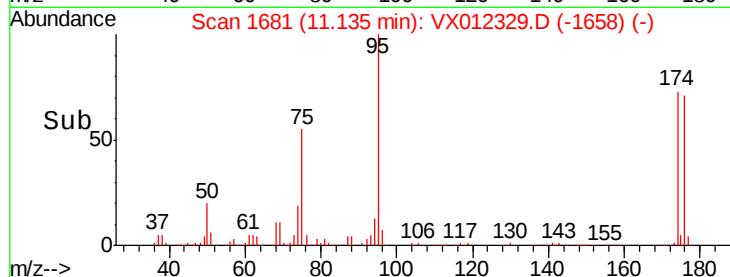
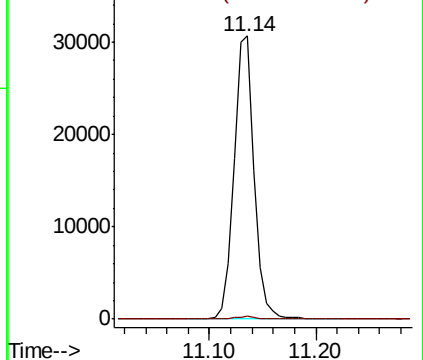
75 100

77 1.2 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: 190.971 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012329.D

Acq: 12 Sep 2019 04:38

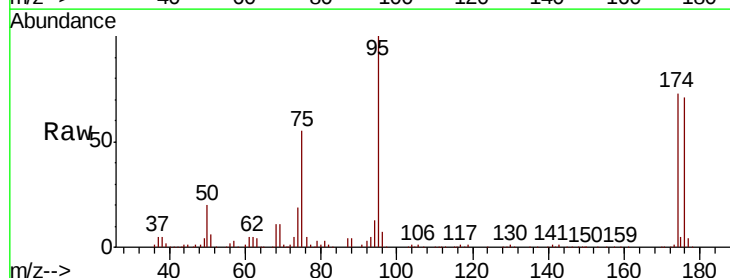
Tgt Ion: 75 Resp: 40619

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.1 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

