

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040920\
 Data File : VX015586.D
 Acq On : 09 Apr 2020 11:14
 Operator : JC/SP
 Sample : VX0409WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 09 15:23:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1112676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1722971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1650863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	893364	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	720404	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	
35) Dibromofluoromethane	5.47	113	545719	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	8.70	98	2055004	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.12	95	888329	53.91	ug/l	0.00
Spiked Amount			Recovery	=	107.82%	

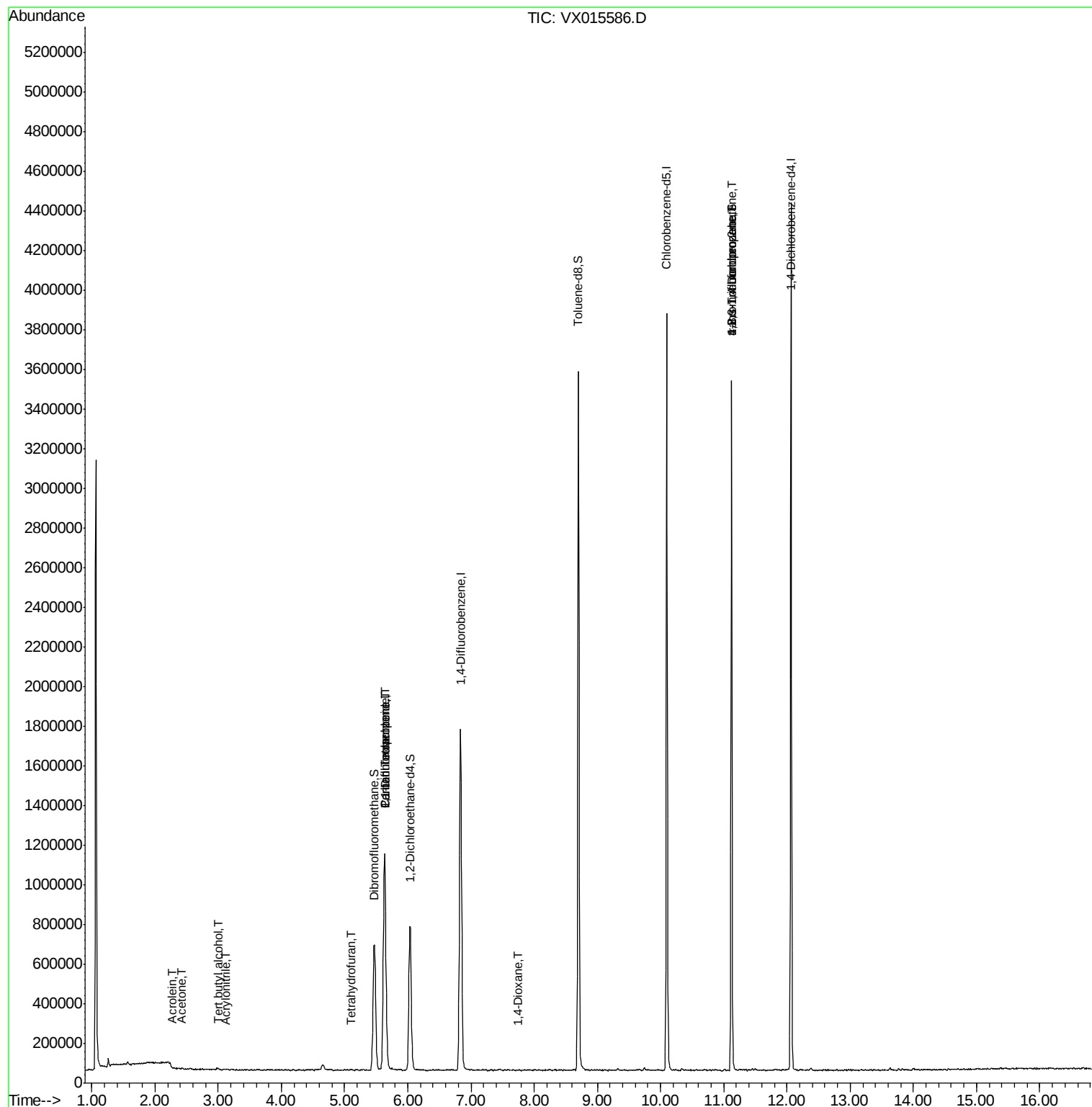
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	962	Below Cal	#	29
11) Tert butyl alcohol	3.00	59	8195	2.182	ug/l #	85
13) Acrolein	2.28	56	718	0.336	ug/l	88
15) Acrylonitrile	3.11	53	1529	0.213	ug/l #	17
16) Acetone	2.42	43	2791	0.414	ug/l	96
29) Tetrahydrofuran	5.10	42	1500	0.215	ug/l #	85
36) 1,1-Dichloropropene	5.63	75	82709	5.210	ug/l #	53
38) Carbon Tetrachloride	5.64	117	101213	5.886	ug/l #	15
49) 1,4-Dioxane	7.73	88	266	0.818	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	450218	24.507	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	450218	58.802	ug/l #	10

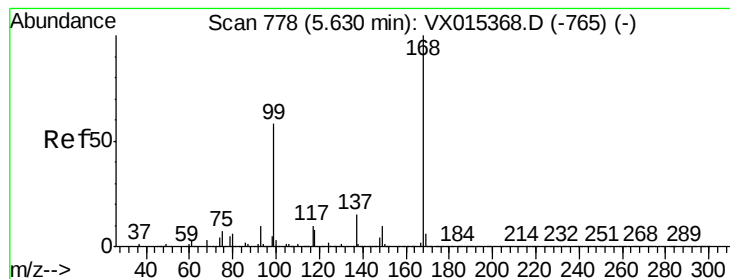
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040920\
Data File : VX015586.D
Acq On : 09 Apr 2020 11:14
Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 09 15:23:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015586.D

Acq: 09 Apr 2020 11:14

Instrument :

MSVOA_X

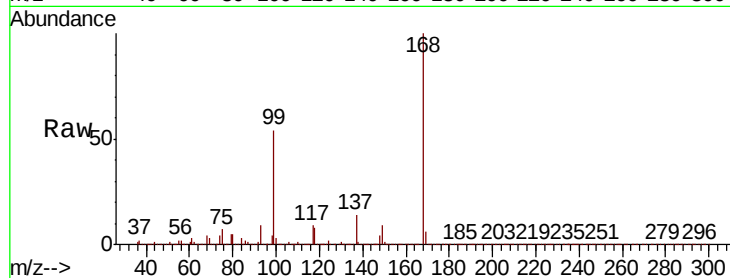
ClientSampleId :

Tot Ion:168 Resp: 1112676

Ion Ratio Lower Upper

168 100

99 54.2 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

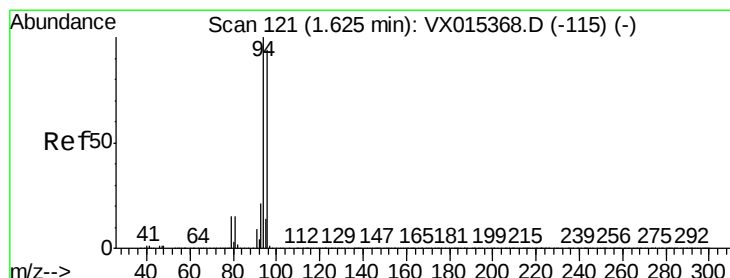
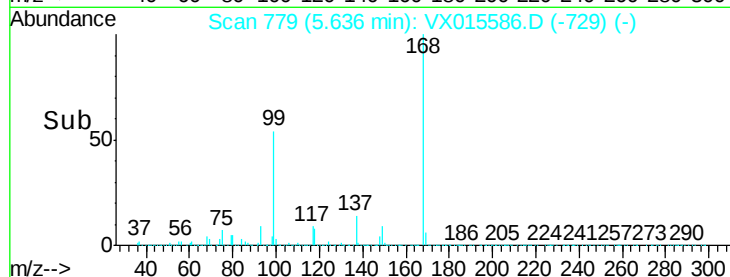
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015586.D

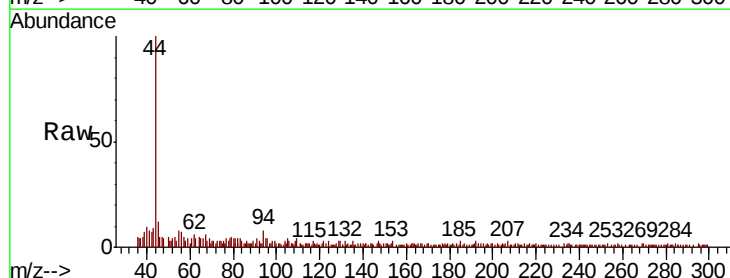
Acq: 09 Apr 2020 11:14

Tgt Ion: 94 Resp: 962

Ion Ratio Lower Upper

94 100

96 25.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1200

1000

800

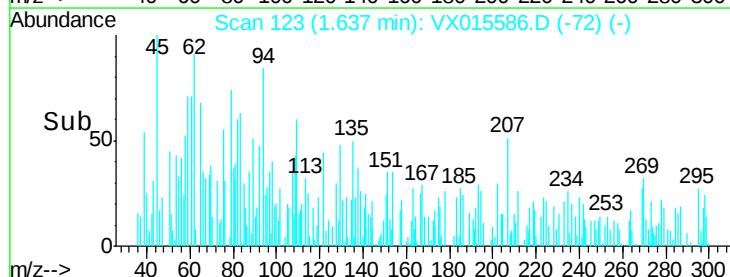
600

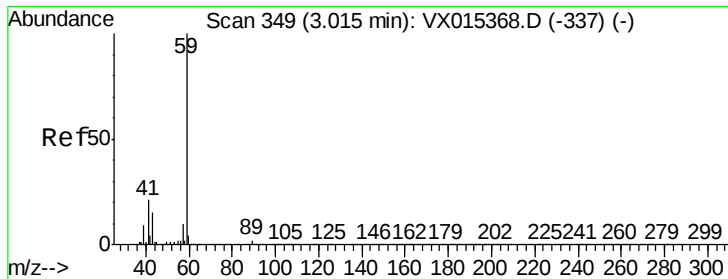
400

200

0

Time-->

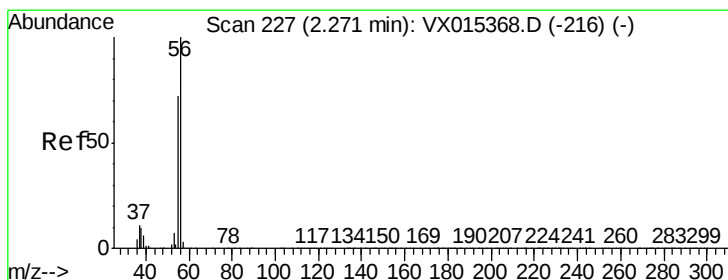
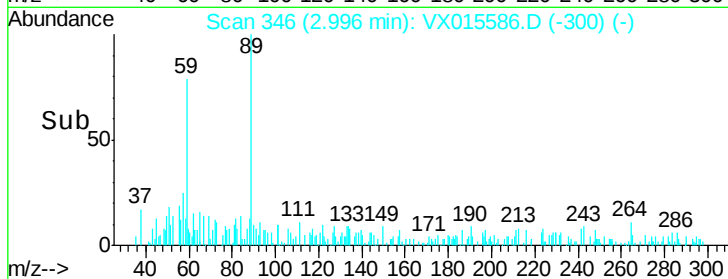
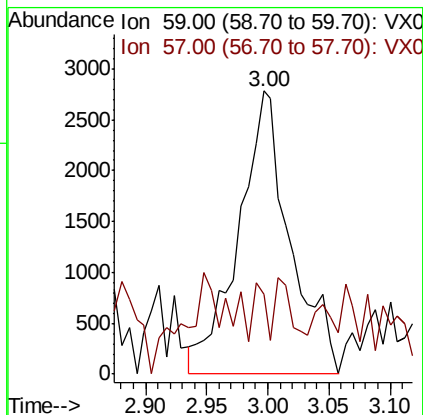
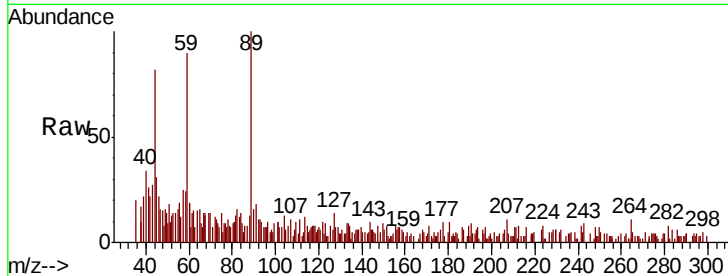




#11
Tert butyl alcohol
Concen: 2.182 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015586.D
Acq: 09 Apr 2020 11:14

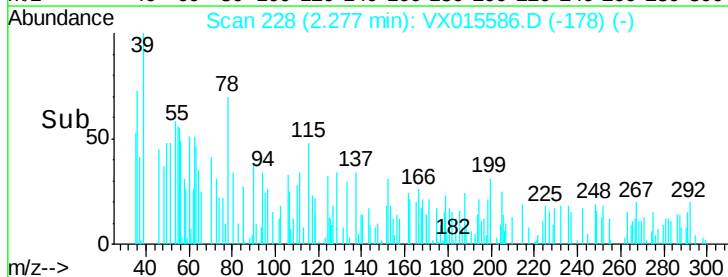
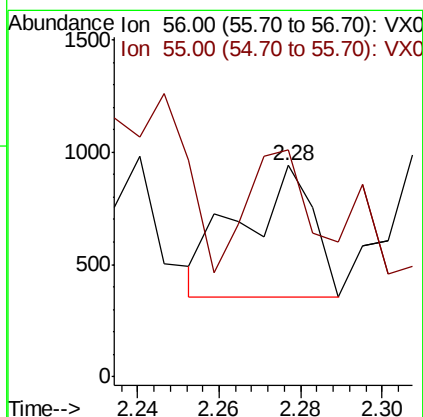
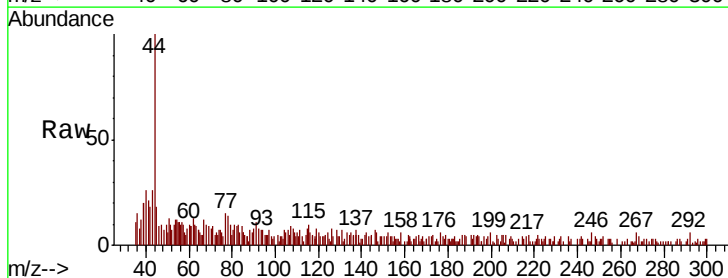
Instrument :
MSVOA_X
ClientSampleId :

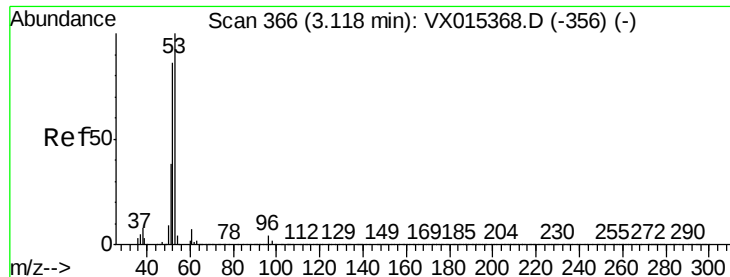
Tot Ion: 59 Resp: 8195
Ion Ratio Lower Upper
59 100
57 4.6 8.1 12.1#



#13
Acrolein
Concen: 0.336 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015586.D
Acq: 09 Apr 2020 11:14

Tgt Ion: 56 Resp: 718
Ion Ratio Lower Upper
56 100
55 81.1 57.0 85.4





#15

Acrylonitrile

Concen: 0.213 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.01 min

Lab File: VX015586.D

Acq: 09 Apr 2020 11:14

Instrument :

MSVOA_X

ClientSampled :

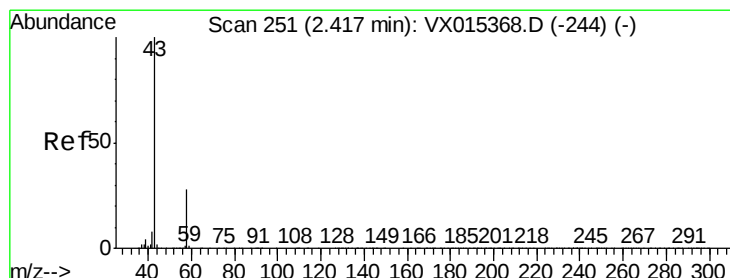
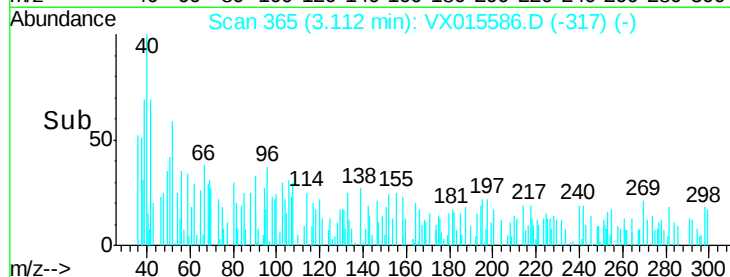
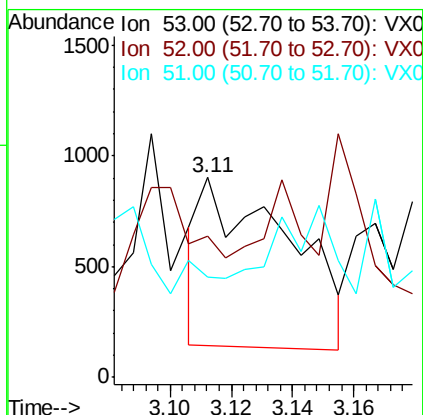
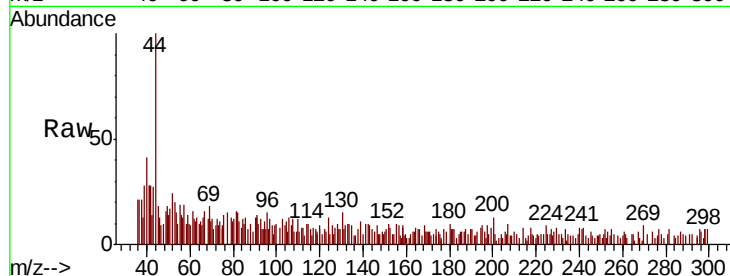
Tot Ion: 53 Resp: 1529

Ion Ratio Lower Upper

53 100

52 0.0 66.8 100.2#

51 0.0 29.5 44.3#



#16

Acetone

Concen: 0.414 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015586.D

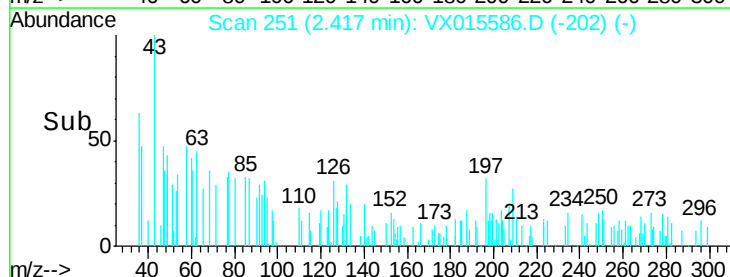
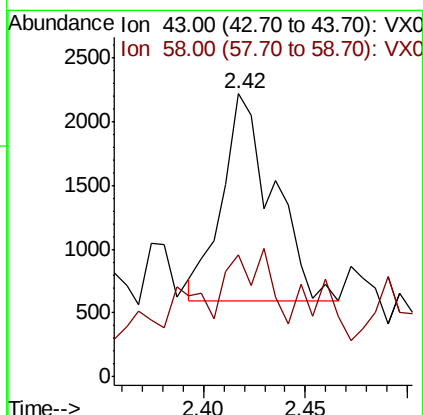
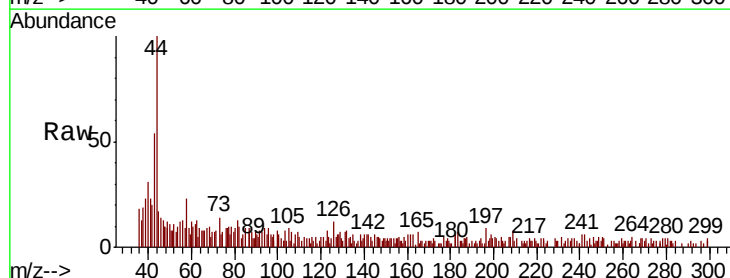
Acq: 09 Apr 2020 11:14

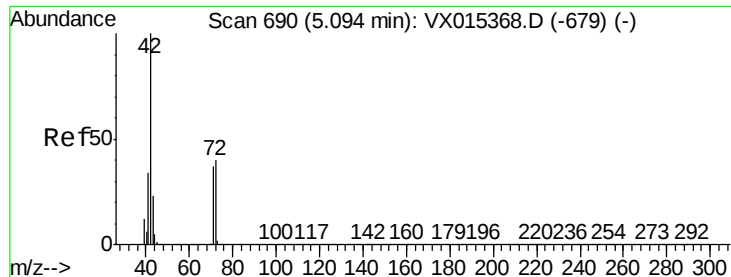
Tgt Ion: 43 Resp: 2791

Ion Ratio Lower Upper

43 100

58 29.7 22.1 33.1

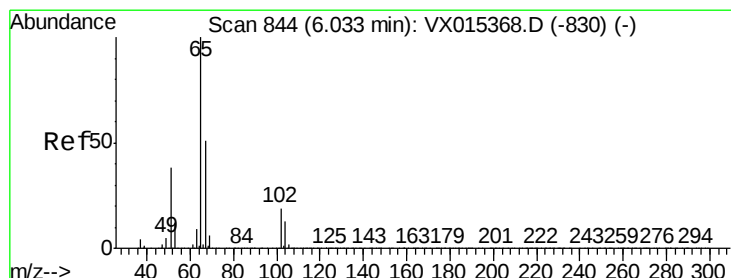
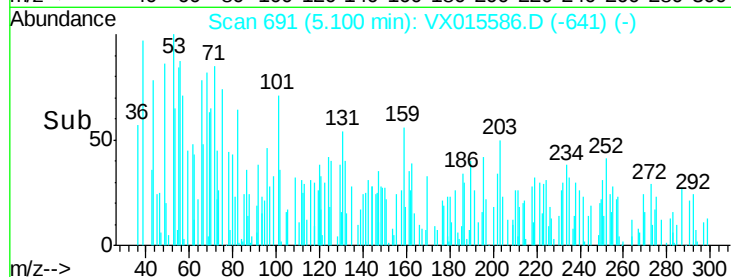
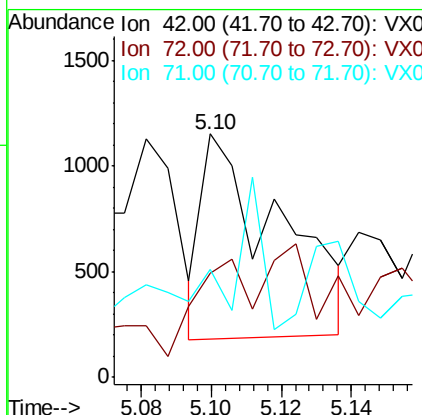
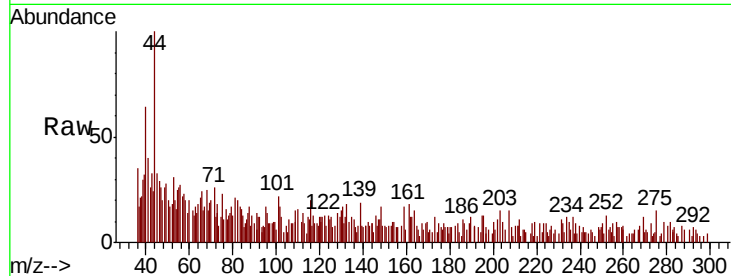




#29
Tetrahydrofuran
Concen: 0.215 ug/l
RT: 5.10 min Scan# 691
Delta R.T. 0.01 min
Lab File: VX015586.D
Acq: 09 Apr 2020 11:14

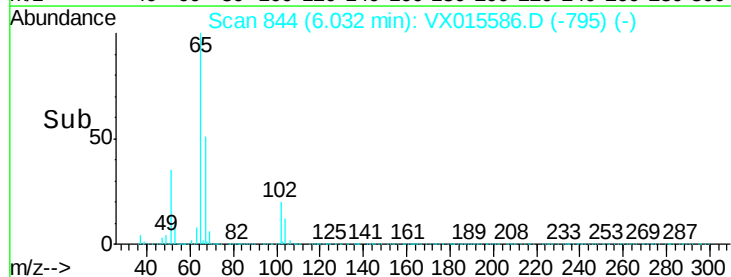
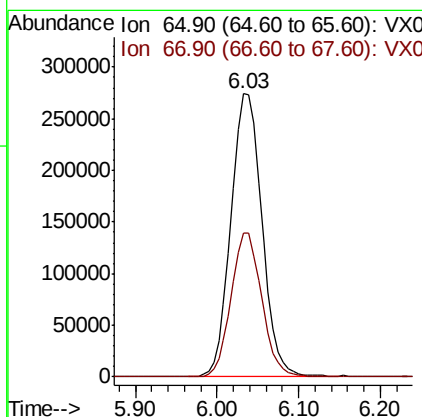
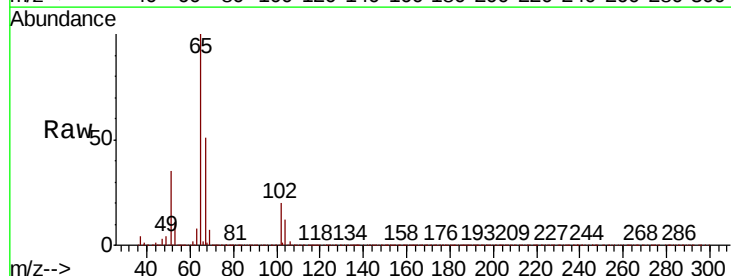
Instrument :
MSVOA_X
ClientSampled :

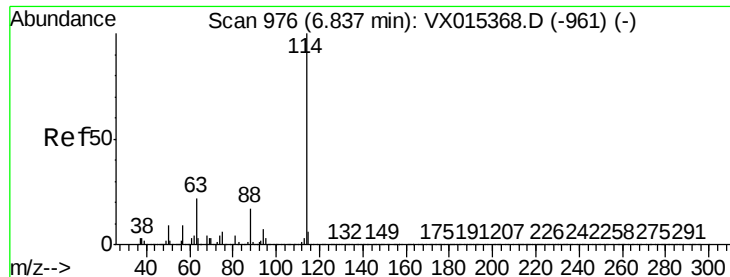
Tot Ion: 42 Resp: 1500
Ion Ratio Lower Upper
42 100
72 32.1 31.7 47.5
71 48.0 29.6 44.4#



#33
1,2-Dichloroethane-d4
Concen: 45.906 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.00 min
Lab File: VX015586.D
Acq: 09 Apr 2020 11:14

Tgt Ion: 65 Resp: 720404
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015586.D

Acq: 09 Apr 2020 11:14

Instrument :

MSVOA_X

ClientSampleId :

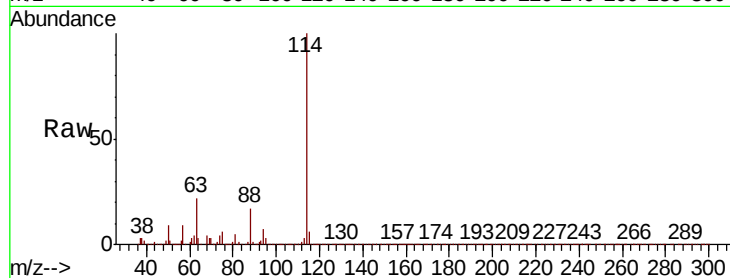
Tot Ion:114 Resp: 1722971

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.2

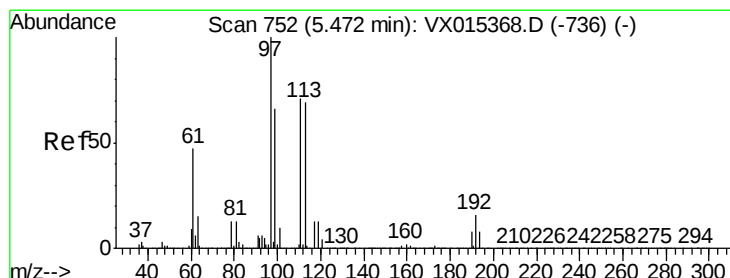
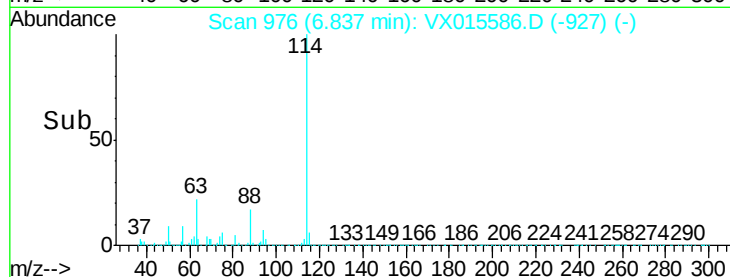
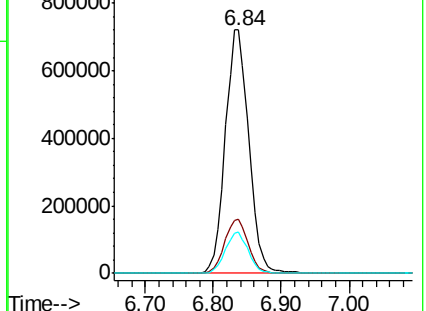
88 16.7 0.0 33.8



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: 49.549 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015586.D

Acq: 09 Apr 2020 11:14

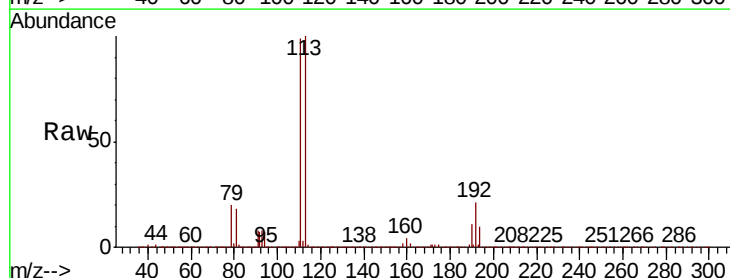
Tgt Ion:113 Resp: 545719

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

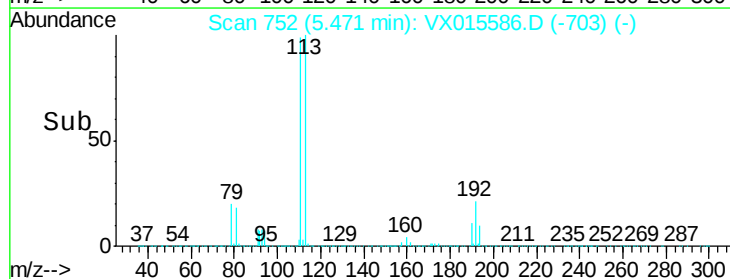
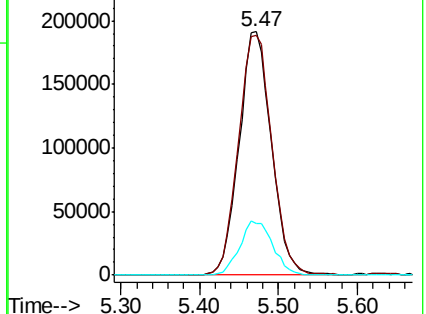
192 22.4 17.8 26.6

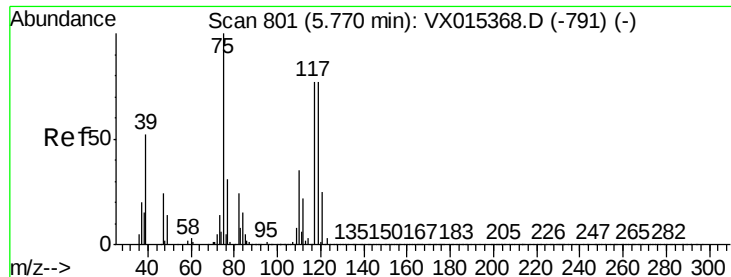


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.210 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015586.D

Acq: 09 Apr 2020 11:14

Instrument :
MSVOA_X
ClientSampleId :

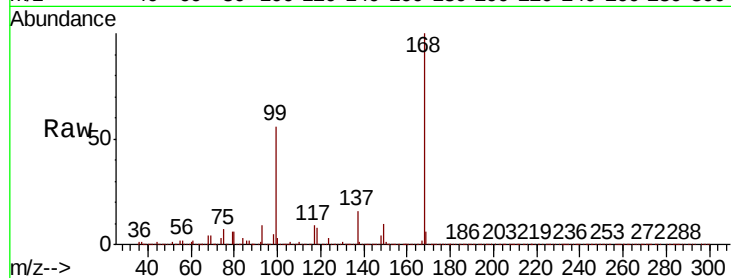
Tot Ion: 75 Resp: 82709

Ion Ratio Lower Upper

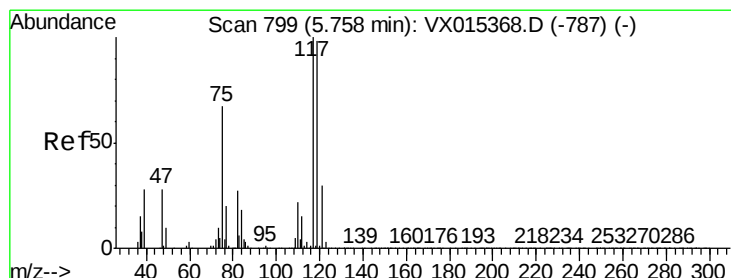
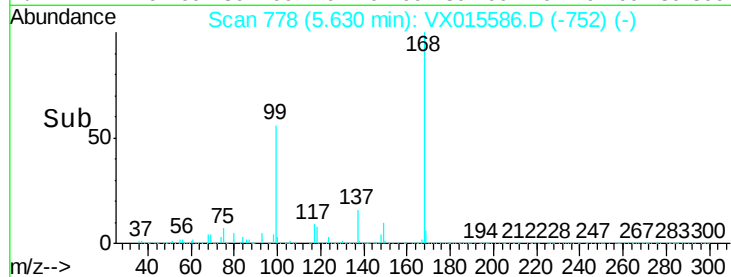
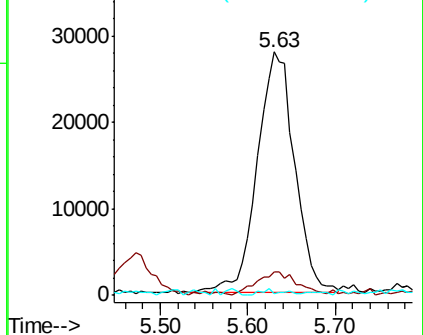
75 100

110 10.7 17.1 51.3#

77 0.9 24.6 36.8#



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: 5.886 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015586.D

Acq: 09 Apr 2020 11:14

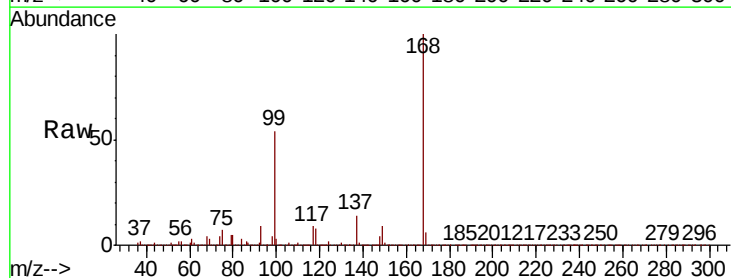
Tgt Ion:117 Resp: 101213

Ion Ratio Lower Upper

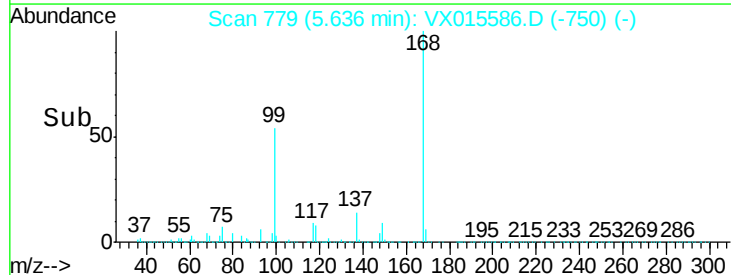
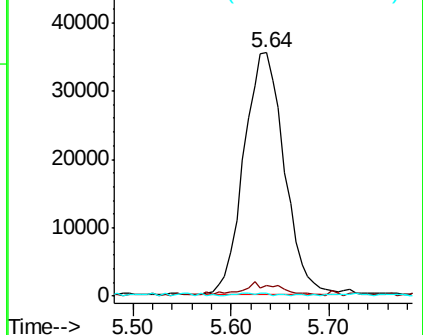
117 100

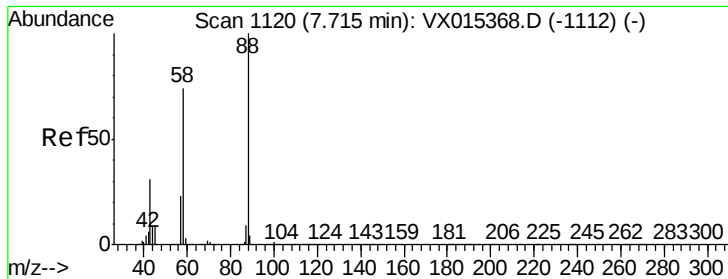
119 4.0 78.0 117.0#

121 0.3 23.8 35.8#



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: 0.818 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.02 min

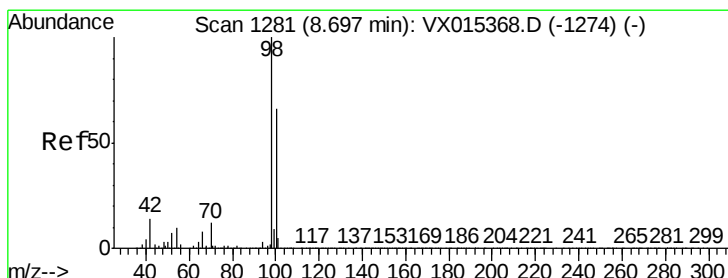
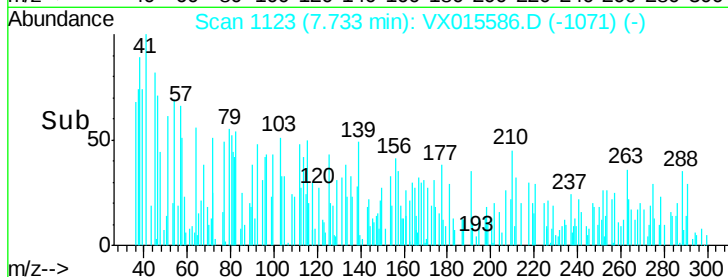
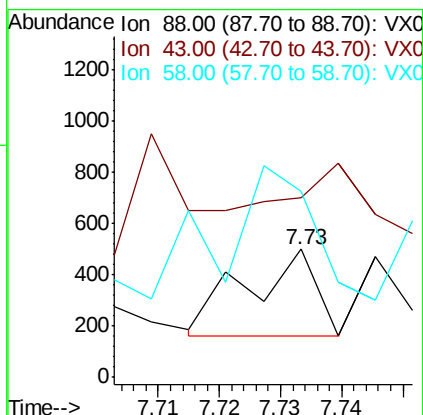
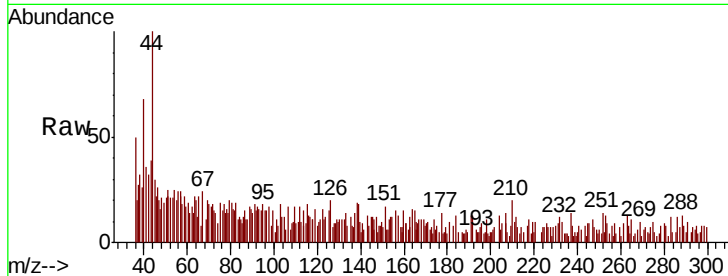
Lab File: VX015586.D

Acq: 09 Apr 2020 11:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 266

Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	286.8	60.6	90.8#



#50

Toluene-d8

Concen: 50.679 ug/l

RT: 8.70 min Scan# 1281

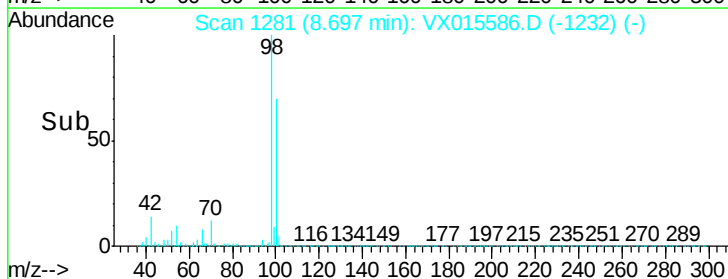
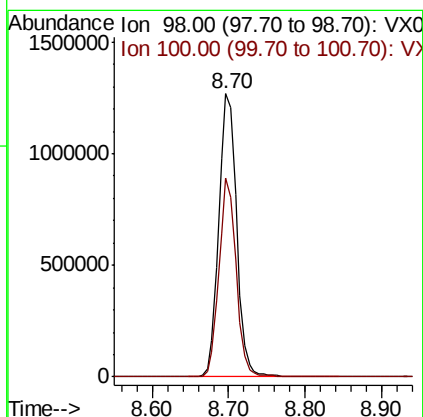
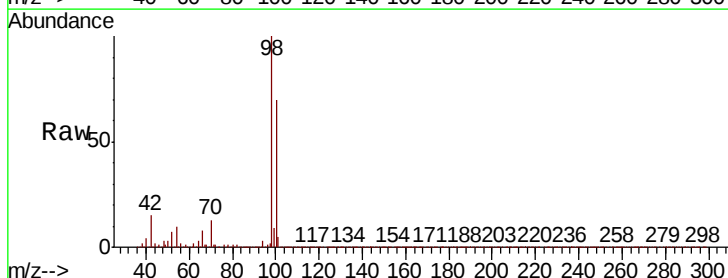
Delta R.T. -0.00 min

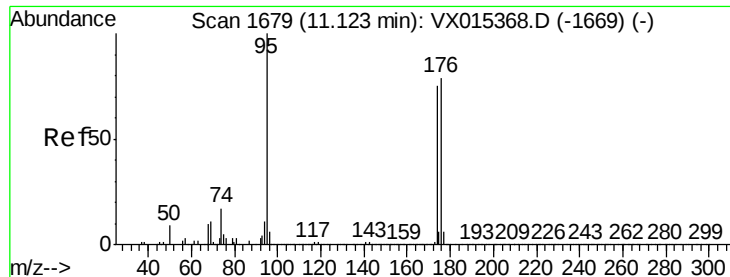
Lab File: VX015586.D

Acq: 09 Apr 2020 11:14

Tgt Ion: 98 Resp: 2055004

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.5	80.3





#62

4-Bromofluorobenzene

Concen: 53.905 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015586.D

Acq: 09 Apr 2020 11:14

Instrument :

MSVOA_X

ClientSampled :

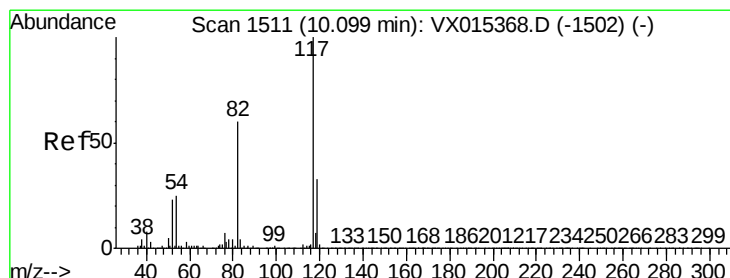
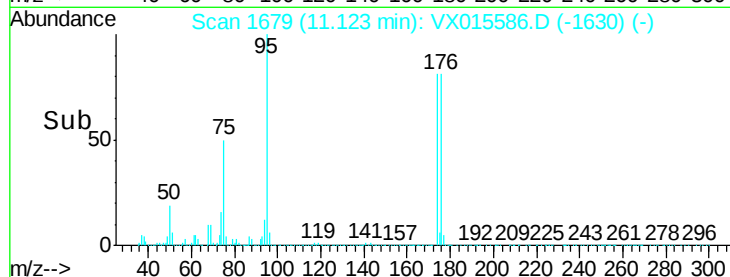
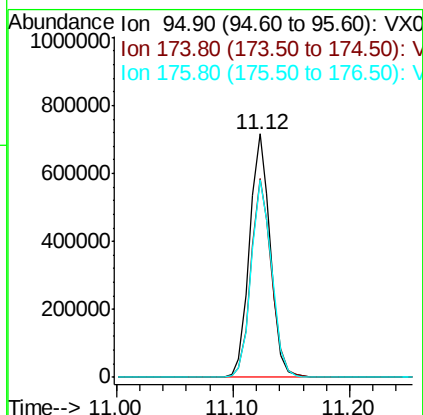
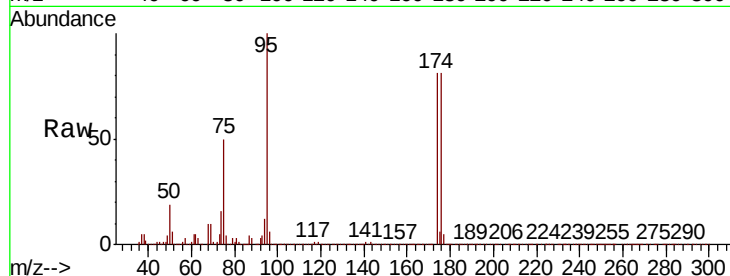
Tot Ion: 95 Resp: 888329

Ion Ratio Lower Upper

95 100

174 80.8 0.0 158.6

176 80.8 0.0 159.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015586.D

Acq: 09 Apr 2020 11:14

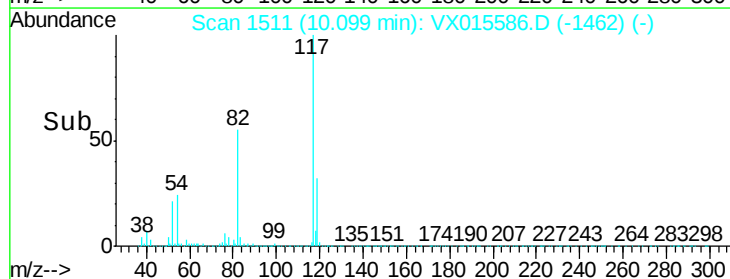
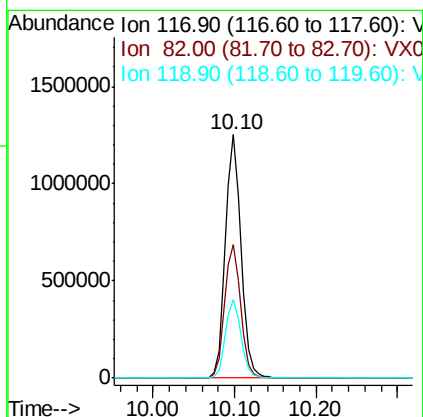
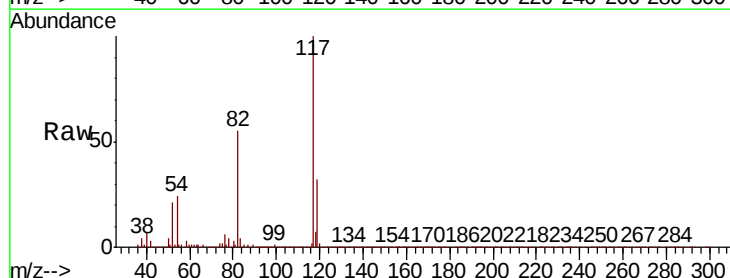
Tgt Ion: 117 Resp: 1650863

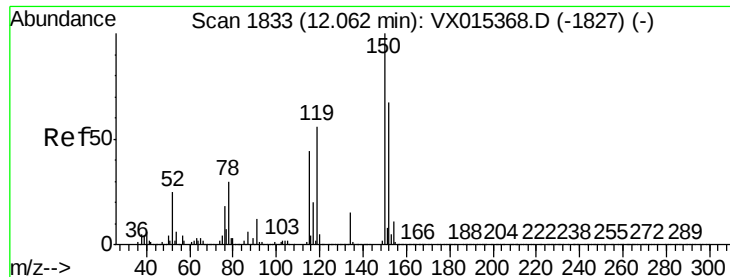
Ion Ratio Lower Upper

117 100

82 54.6 47.8 71.8

119 32.2 26.8 40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VX015586.D

Acq: 09 Apr 2020 11:14

Instrument :

MSVOA_X

ClientSampleId :

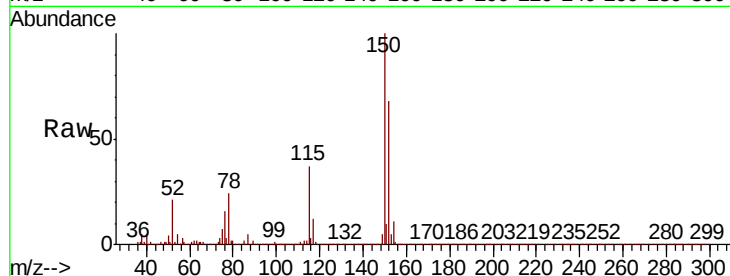
Tot Ion:152 Resp: 893364

Ion Ratio Lower Upper

152 100

115 57.5 39.0 116.9

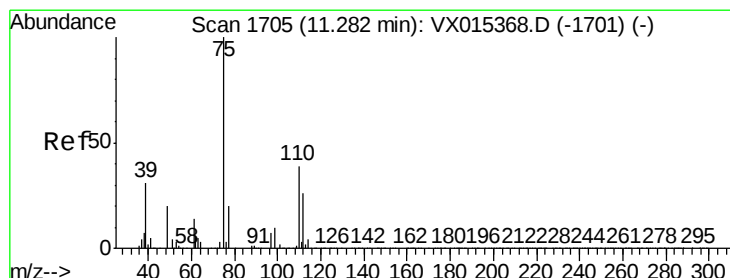
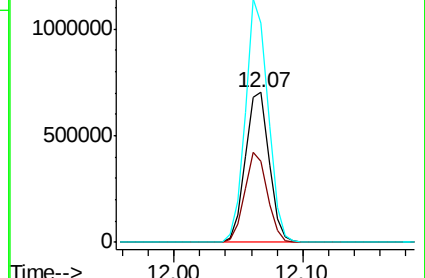
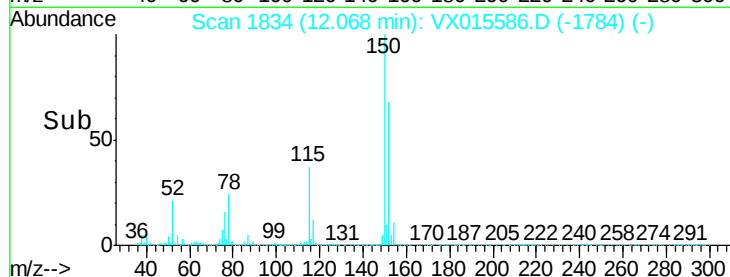
150 154.3 0.0 340.8



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: 24.507 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015586.D

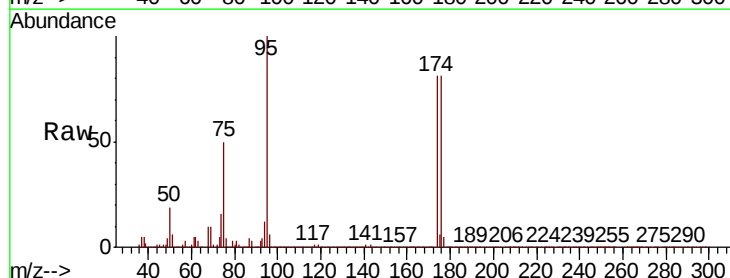
Acq: 09 Apr 2020 11:14

Tgt Ion: 75 Resp: 450218

Ion Ratio Lower Upper

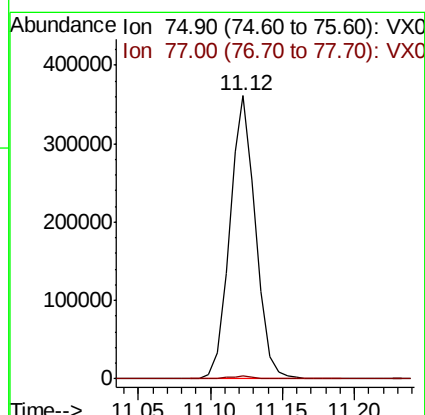
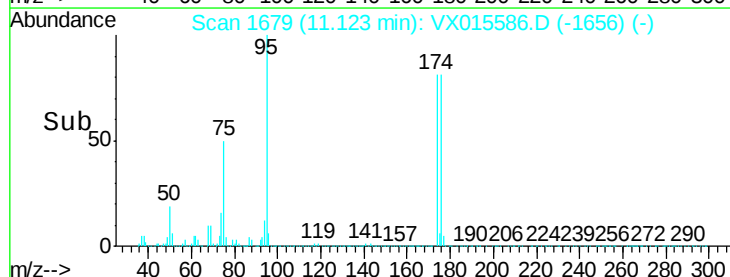
75 100

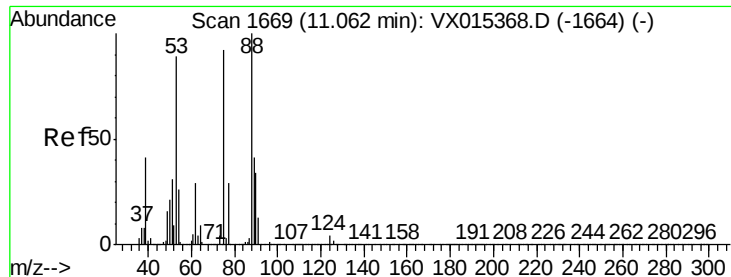
77 0.9 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

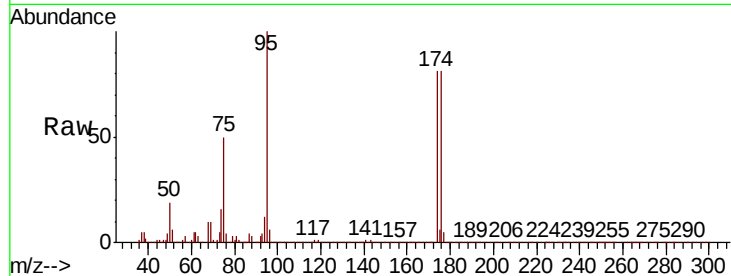




#81
trans-1,4-Dichloro-2-butene
Concen: 58.802 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015586.D
Acq: 09 Apr 2020 11:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	80.1	120.1#
89	0.1	36.1	54.1#



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

