

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042020\
 Data File : VX015780.D
 Acq On : 20 Apr 2020 20:44
 Operator : JC/SP
 Sample : L2350-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 08:01:35 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	5.63	168	1091564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1663414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1611907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	909322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	644000	41.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.66%	
35) Dibromofluoromethane	5.47	113	514396	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	8.70	98	1988521	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.12	95	852748	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

Target Compounds

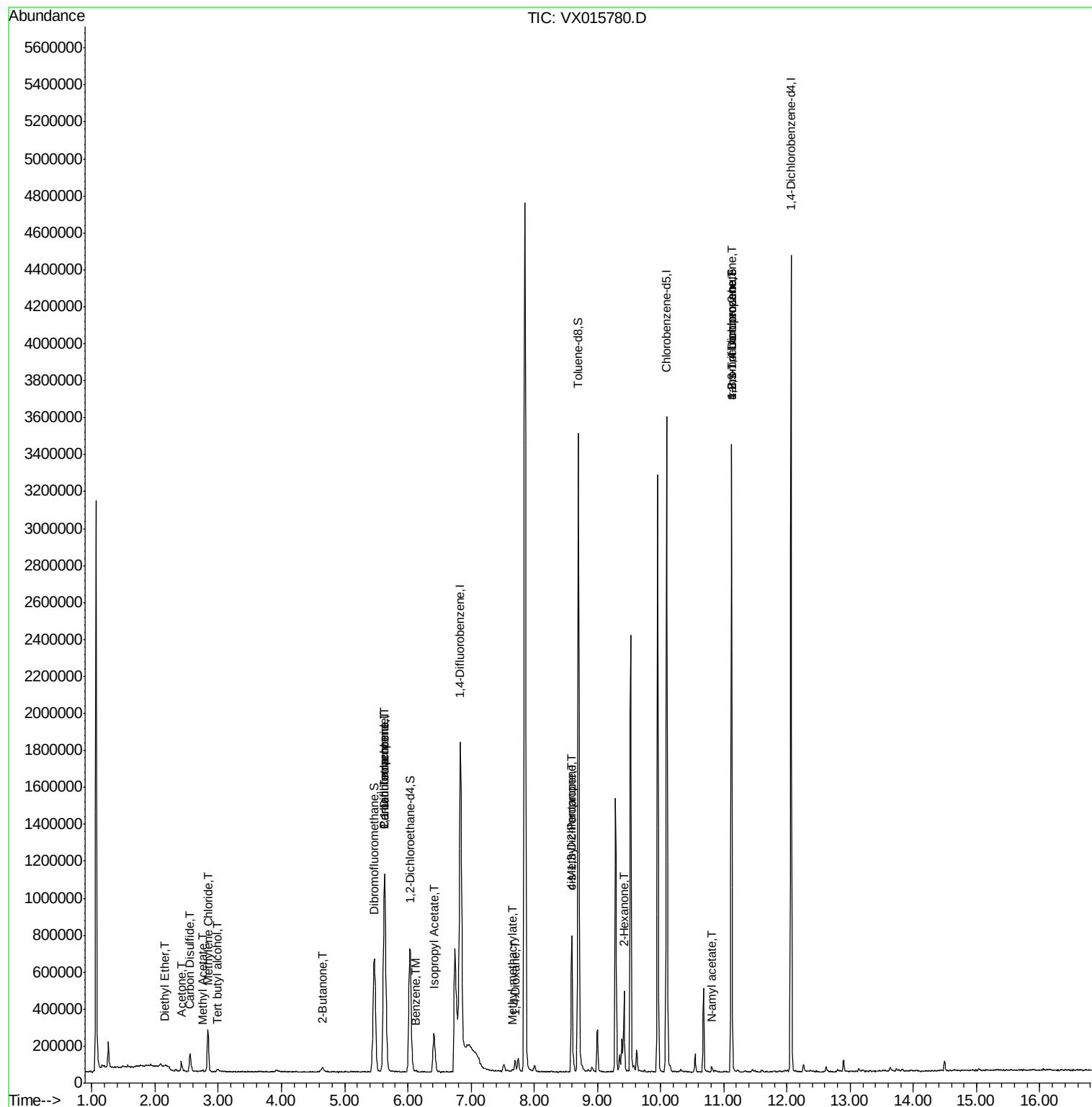
					Qvalue	
5) Bromomethane	1.65	94	1353	Below Cal	#	65
8) Diethyl Ether	2.16	74	1283	0.202	ug/l	79
11) Tert butyl alcohol	2.99	59	12007	3.258	ug/l #	76
16) Acetone	2.42	43	58932	8.910	ug/l	97
17) Carbon Disulfide	2.55	76	115181	3.664	ug/l	99
18) Methyl Acetate	2.75	43	12212	0.723	ug/l #	69
20) Methylene Chloride	2.84	84	97469	7.889	ug/l	99
25) 2-Butanone	4.65	43	8298	0.780	ug/l #	90
36) 1,1-Dichloropropene	5.63	75	72588	4.736	ug/l #	51
38) Carbon Tetrachloride	5.63	117	97663	5.883	ug/l #	14
40) Benzene	6.12	78	9376	0.209	ug/l #	67
43) Isopropyl Acetate	6.41	43	293556	8.714	ug/l	99
48) Methyl methacrylate	7.65	41	17199	1.022	ug/l #	21
49) 1,4-Dioxane	7.69	88	150	0.478	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	292465	15.319	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	116695	5.690	ug/l #	52
59) 2-Hexanone	9.42	43	355457	24.661	ug/l #	27
74) N-amyl acetate	10.81	43	16239	0.490	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	432091	23.107	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	432091	55.444	ug/l #	10

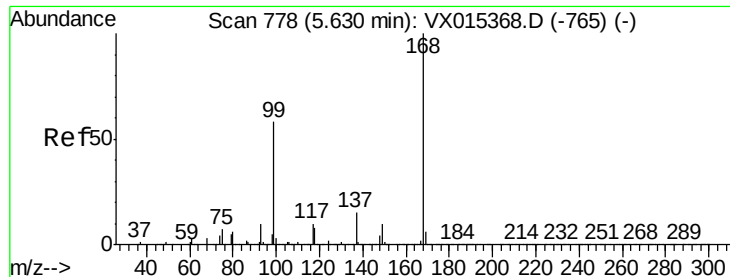
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042020\
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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: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

Instrument :

MSVOA_X

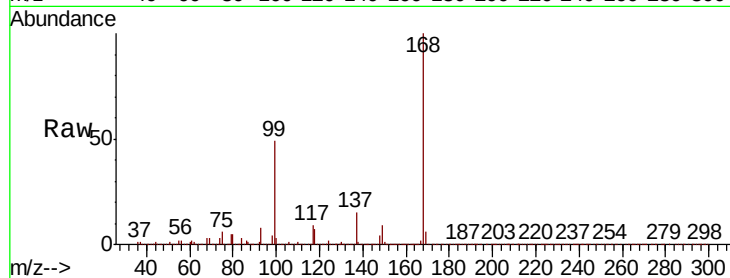
ClientSampleId :

Tot Ion:168 Resp: 1091564

Ion Ratio Lower Upper

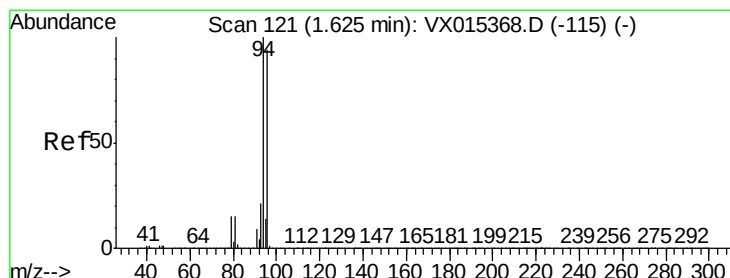
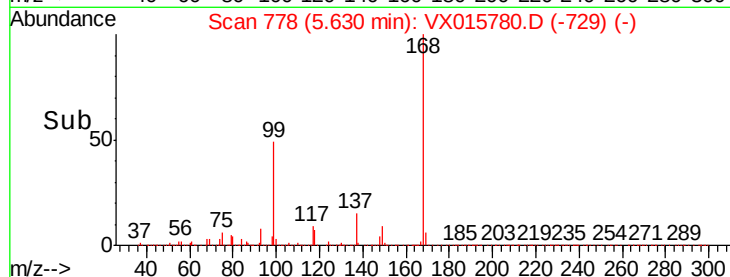
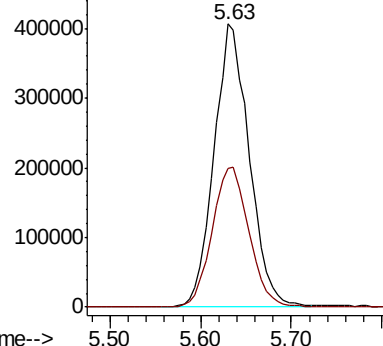
168 100

99 49.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 125

Delta R.T. 0.03 min

Lab File: VX015780.D

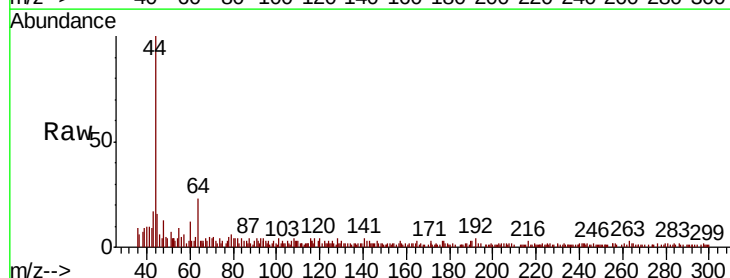
Acq: 20 Apr 2020 20:44

Tgt Ion: 94 Resp: 1353

Ion Ratio Lower Upper

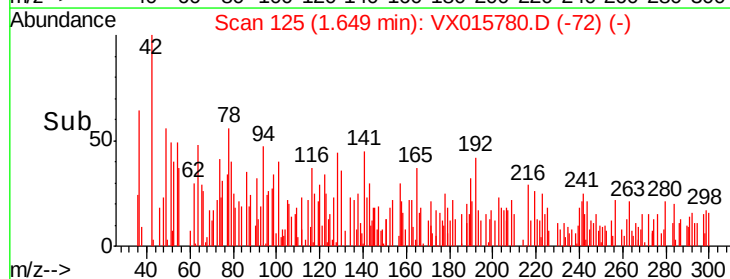
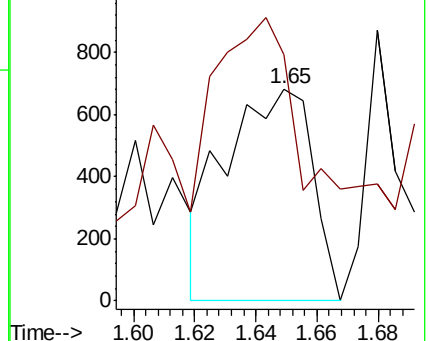
94 100

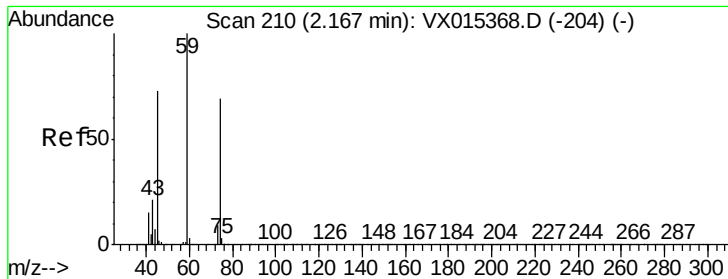
96 127.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.202 ug/l

RT: 2.16 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

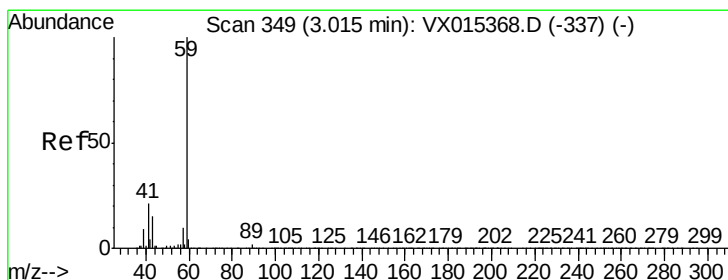
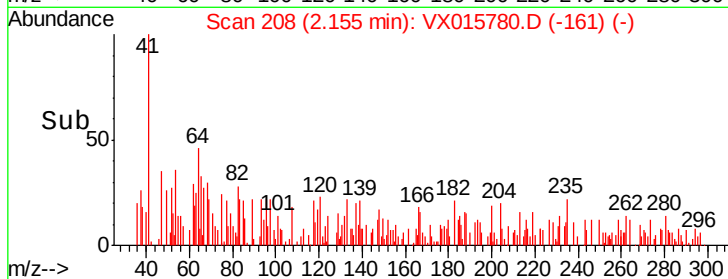
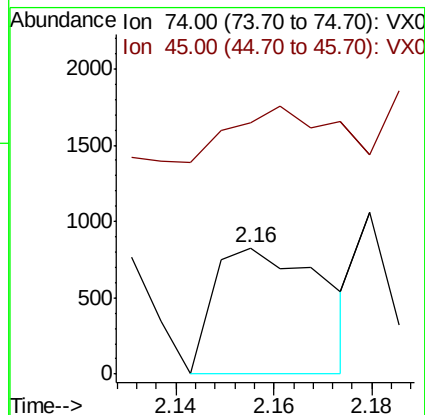
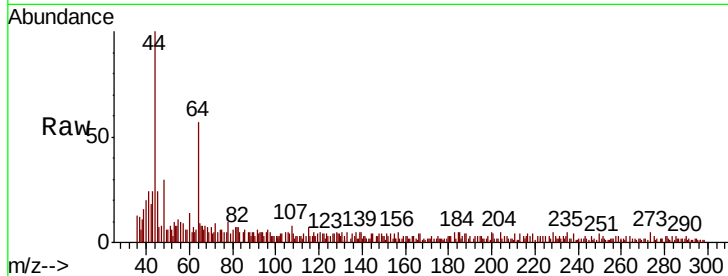
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 74 Resp: 1283

Ion Ratio Lower Upper

74 100

45 86.0 53.8 161.4



#11

Tert butyl alcohol

Concen: 3.258 ug/l

RT: 2.99 min Scan# 345

Delta R.T. -0.02 min

Lab File: VX015780.D

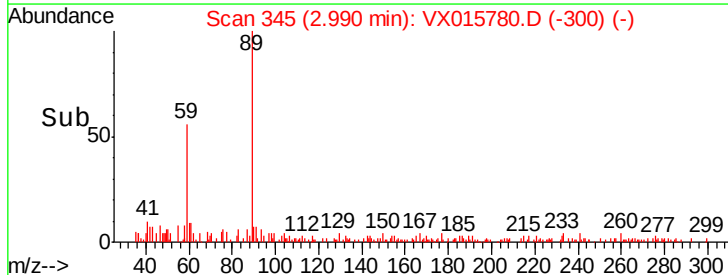
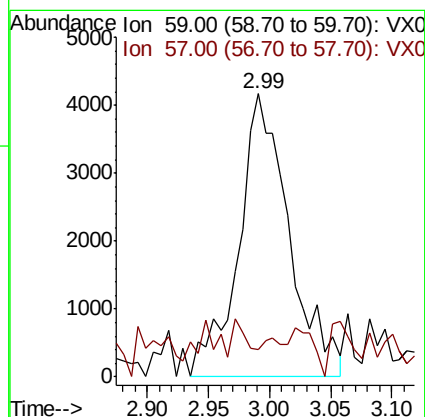
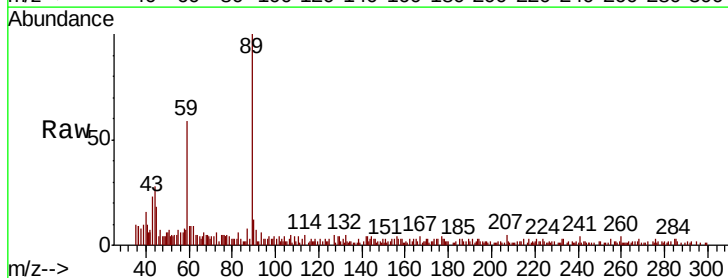
Acq: 20 Apr 2020 20:44

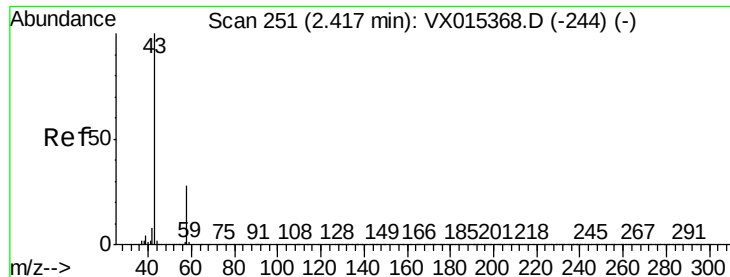
Tgt Ion: 59 Resp: 12007

Ion Ratio Lower Upper

59 100

57 1.2 8.1 12.1#

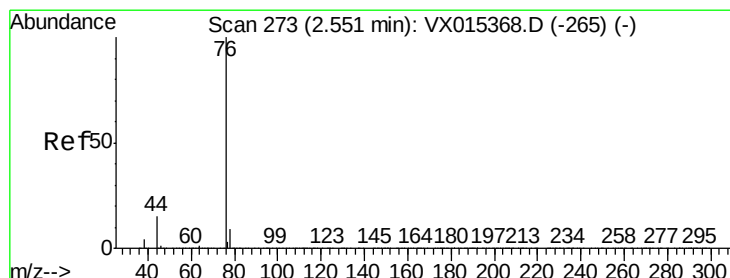
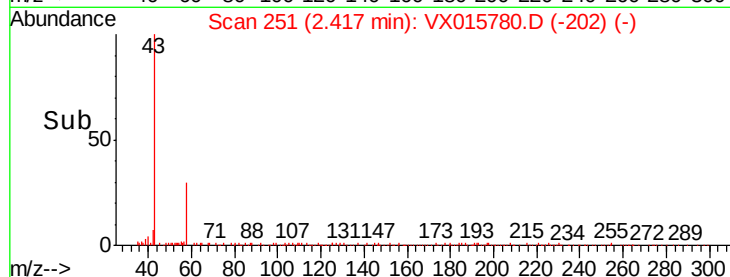
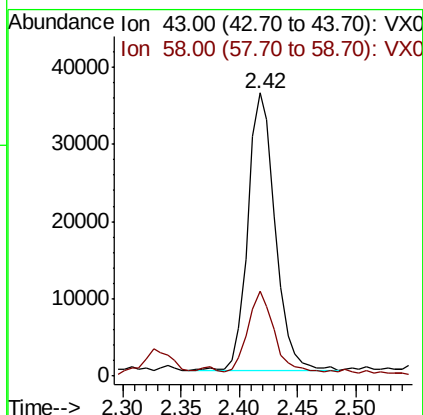
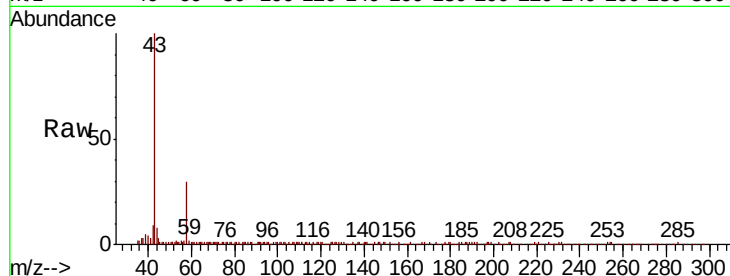




#16
Acetone
Concen: 8.910 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015780.D
Acq: 20 Apr 2020 20:44

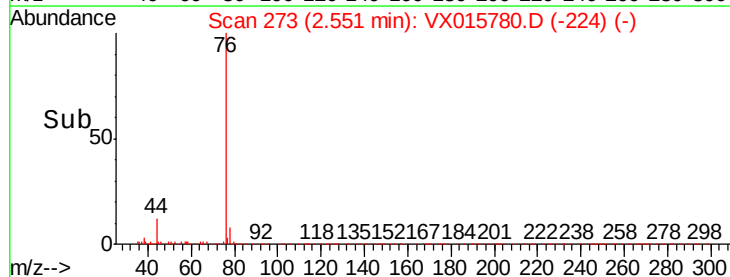
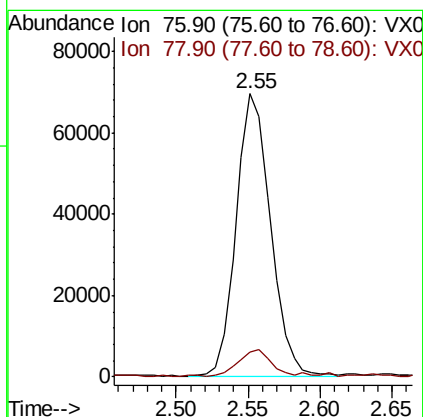
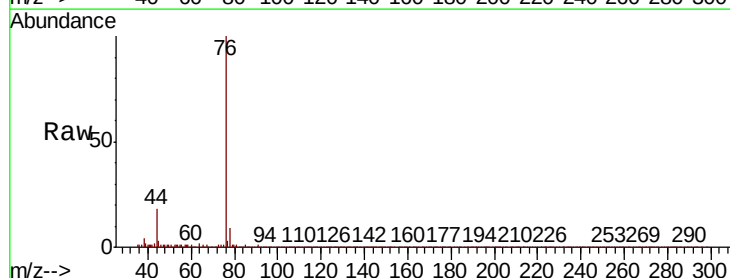
Instrument :
MSVOA_X
ClientSampleId :

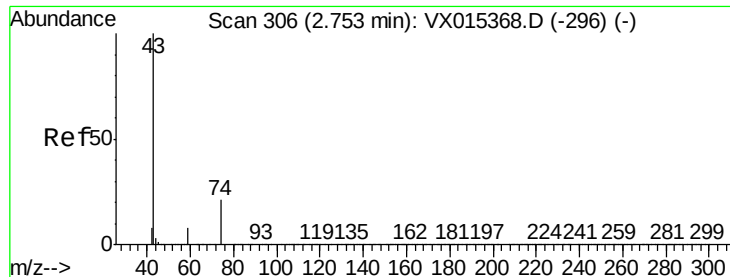
Tot Ion: 43 Resp: 58932
Ion Ratio Lower Upper
43 100
58 29.2 22.1 33.1



#17
Carbon Disulfide
Concen: 3.664 ug/l
RT: 2.55 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015780.D
Acq: 20 Apr 2020 20:44

Tgt Ion: 76 Resp: 115181
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7

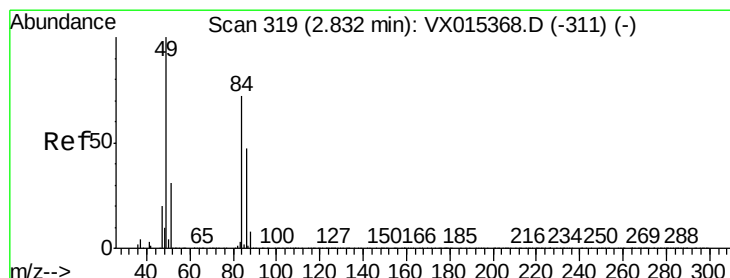
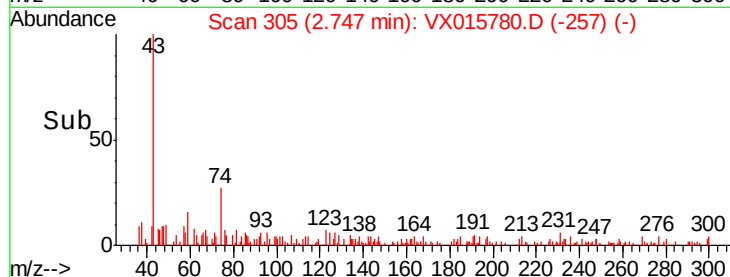
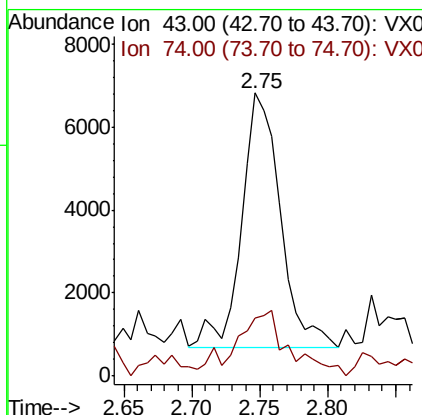
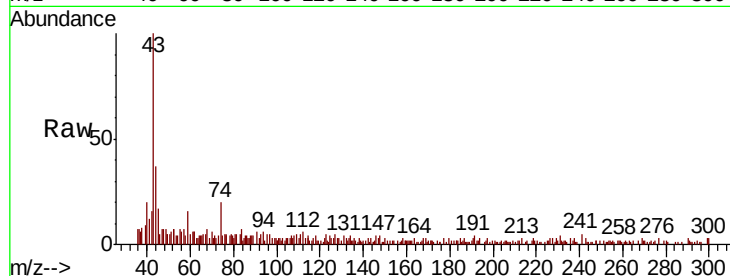




#18
Methvl Acetate
Concen: 0.723 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015780.D
Acq: 20 Apr 2020 20:44

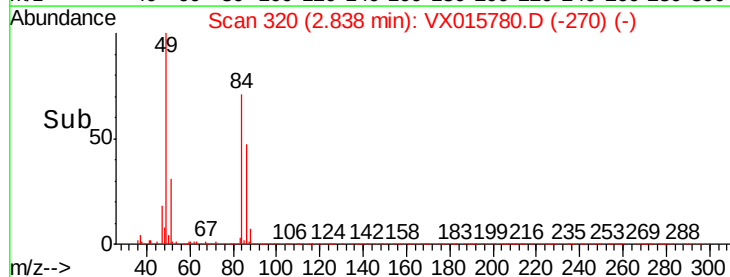
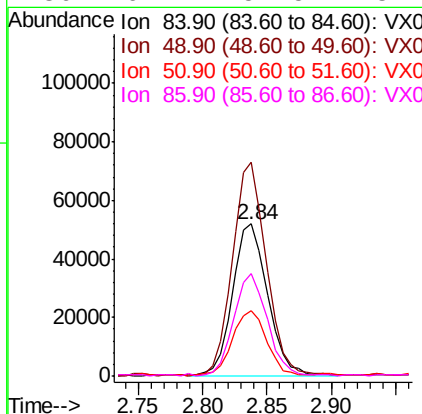
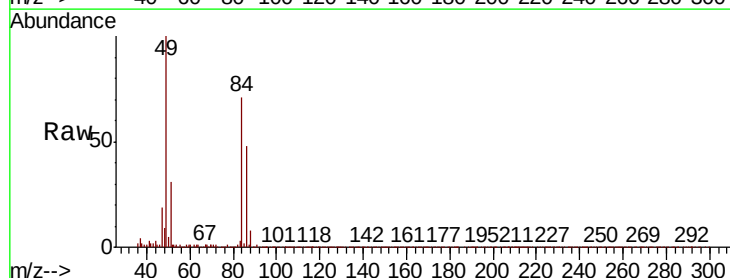
Instrument :
MSVOA_X
ClientSampleId :

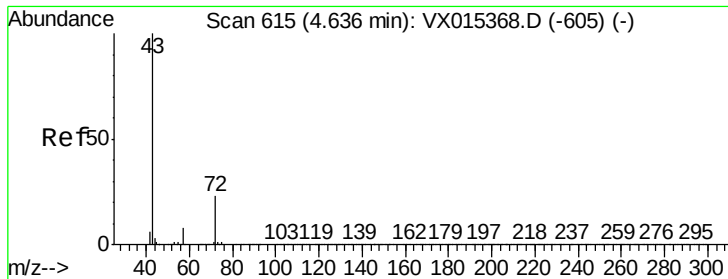
Tot Ion: 43 Resp: 12212
Ion Ratio Lower Upper
43 100
74 35.0 16.5 24.7#



#20
Methylene Chloride
Concen: 7.889 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015780.D
Acq: 20 Apr 2020 20:44

Tgt Ion: 84 Resp: 97469
Ion Ratio Lower Upper
84 100
49 139.9 111.3 166.9
51 42.9 34.0 51.0
86 67.1 52.5 78.7





#25

2-Butanone

Concen: 0.780 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.02 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

Instrument :

MSVOA_X

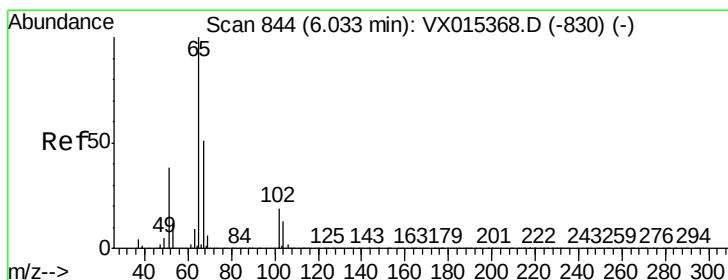
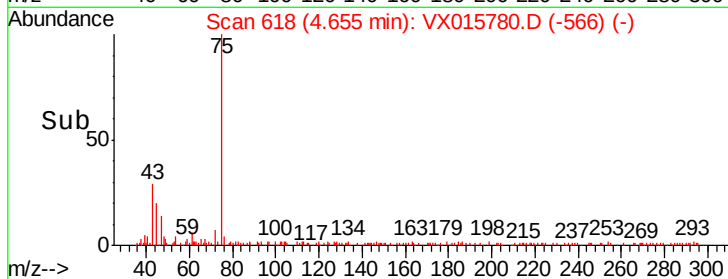
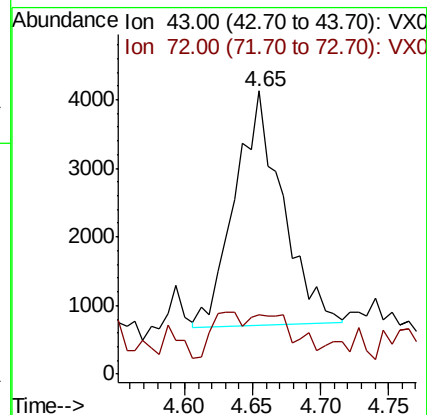
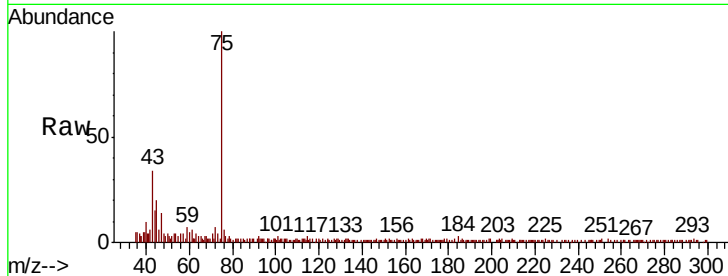
ClientSampleId :

Tot Ion: 43 Resp: 8298

Ion Ratio Lower Upper

43 100

72 18.9 19.0 28.4#



#33

1,2-Dichloroethane-d4

Concen: 41.831 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015780.D

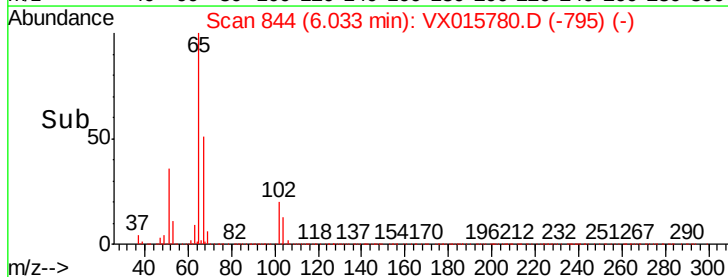
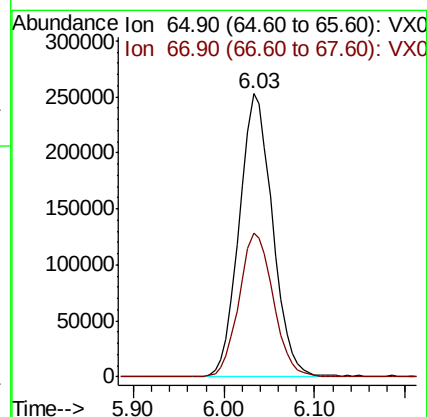
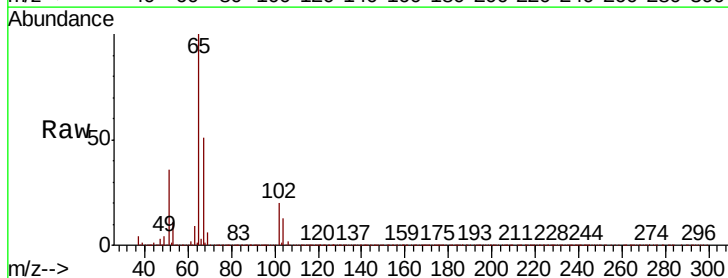
Acq: 20 Apr 2020 20:44

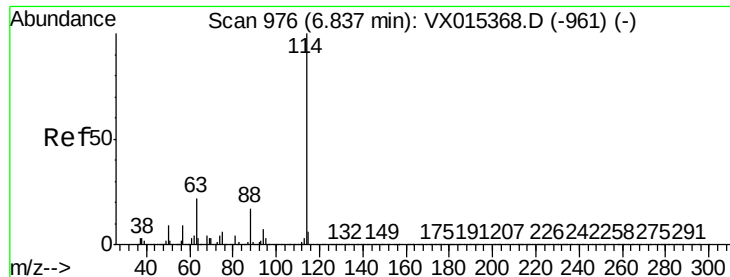
Tgt Ion: 65 Resp: 644000

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

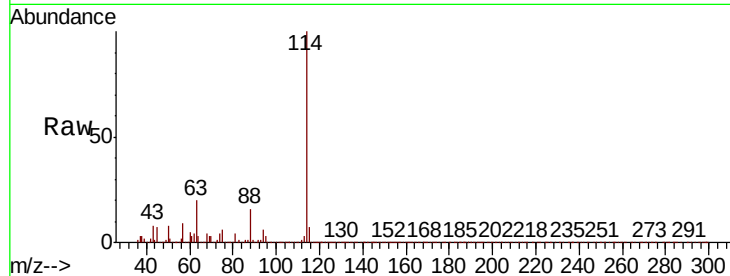
Tot Ion:114 Resp: 1663414

Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.2

88 16.1 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

800000

6.83

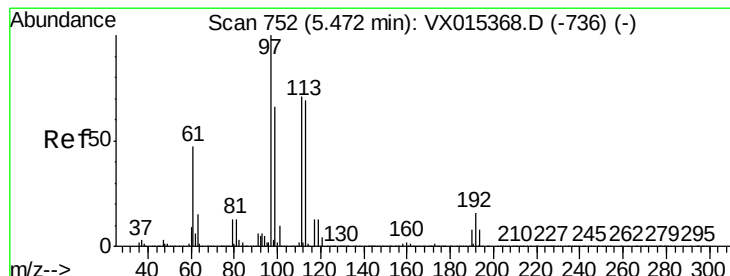
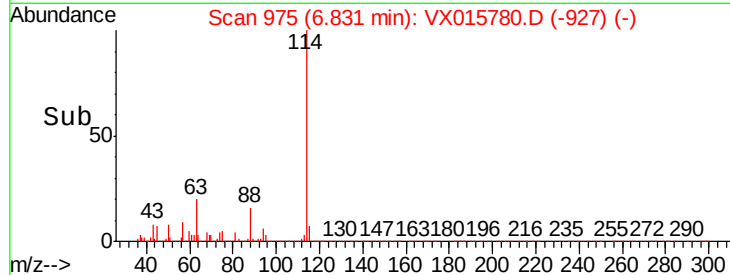
600000

400000

200000

0

Time-->



#35

Dibromofluoromethane

Concen: 48.377 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

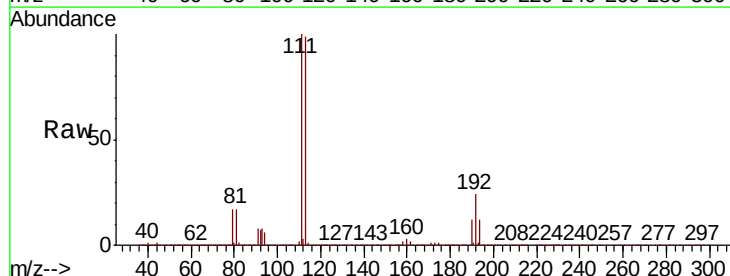
Tgt Ion:113 Resp: 514396

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

192 23.6 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

250000

200000

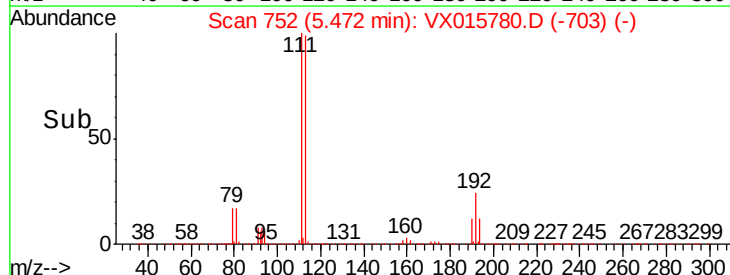
150000

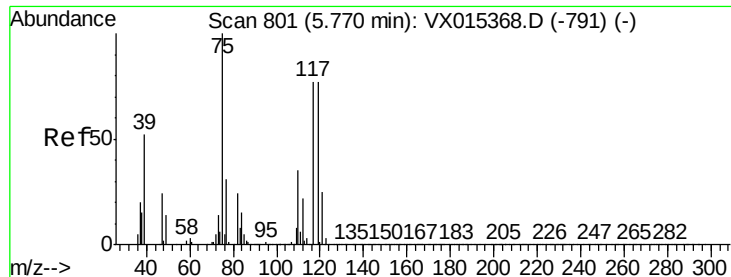
100000

50000

0

Time-->

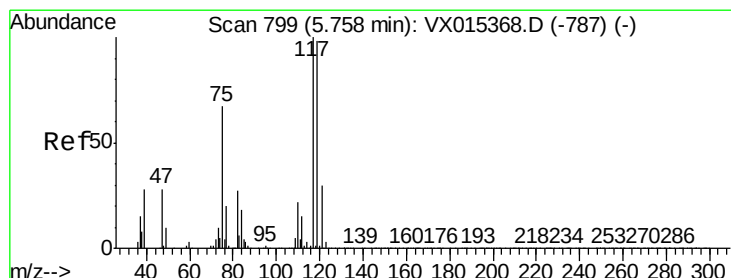
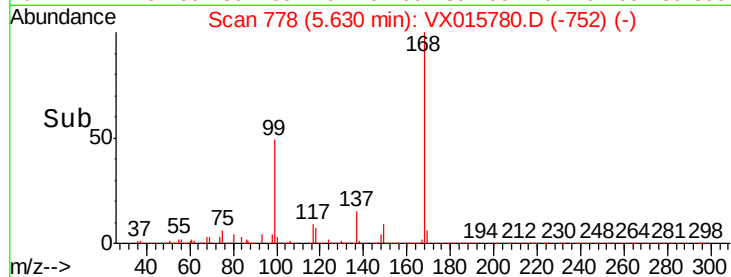
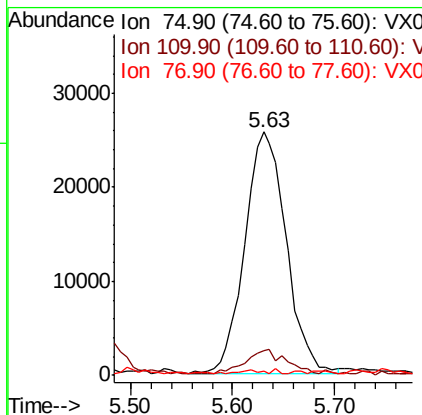
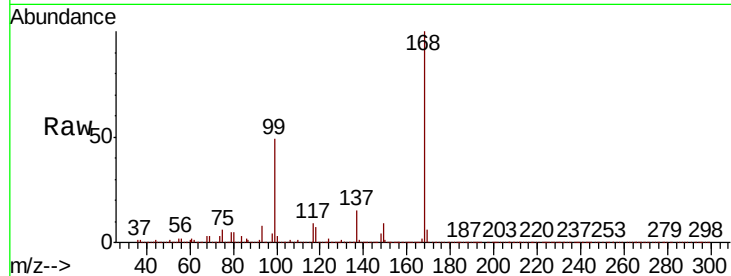




#36
 1,1-Dichloropropene
 Concen: 4.736 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015780.D
 Acq: 20 Apr 2020 20:44

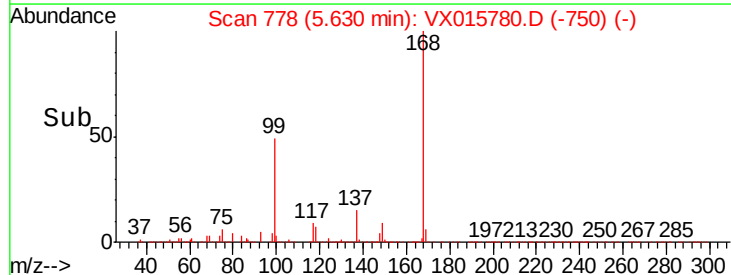
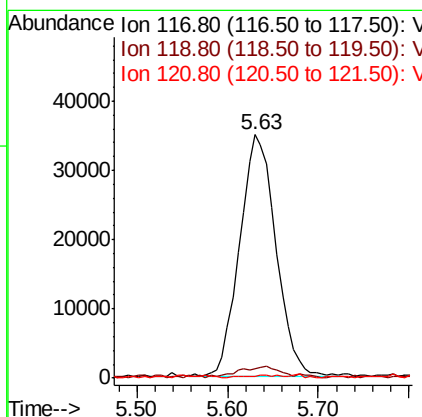
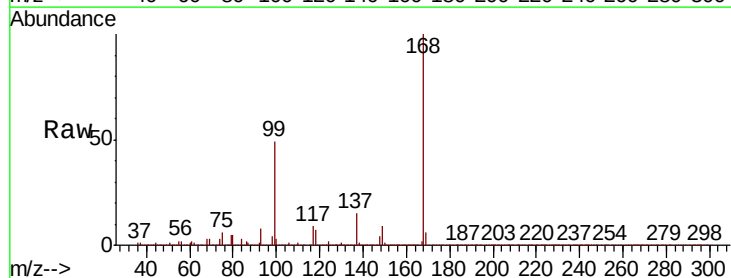
Instrument :
 MSVOA_X
 ClientSampleId :

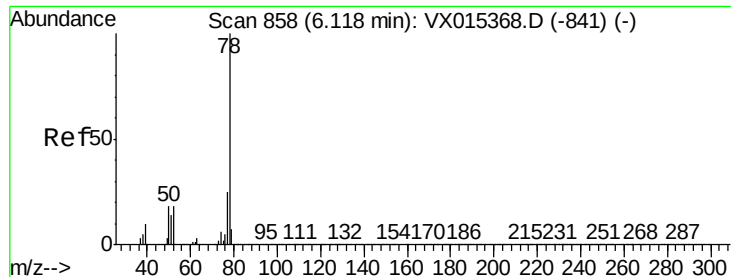
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.1	51.3#
77	0.6	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.883 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015780.D
 Acq: 20 Apr 2020 20:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	78.0	117.0#
121	0.1	23.8	35.8#





#40

Benzene

Concen: 0.209 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

Instrument :

MSVOA_X

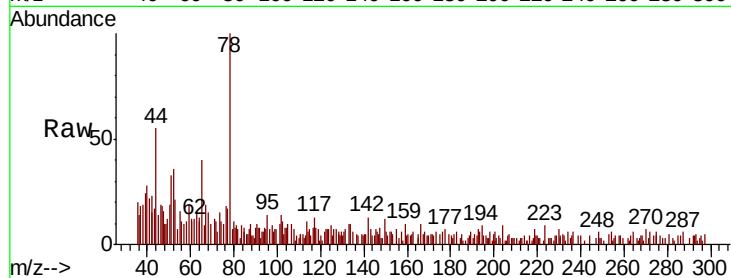
ClientSampleId :

Tot Ion: 78 Resp: 9376

Ion Ratio Lower Upper

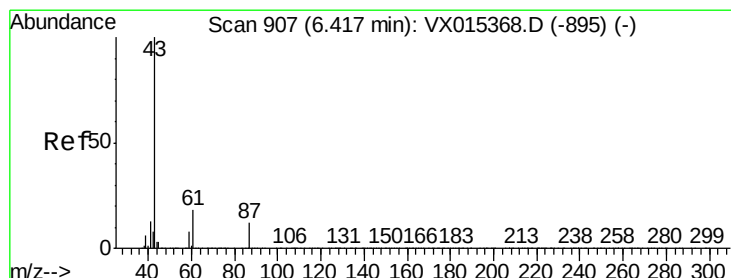
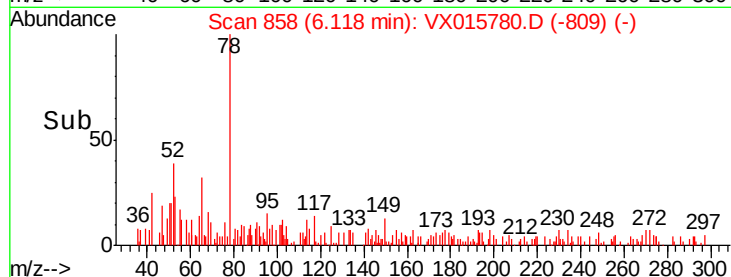
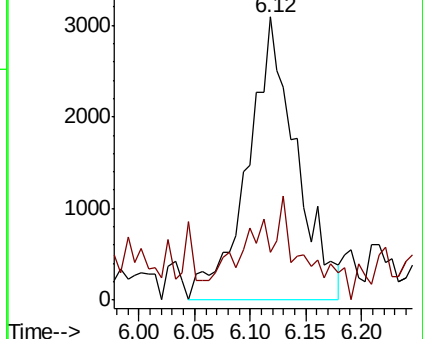
78 100

77 8.1 19.8 29.8#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#43

Isopropyl Acetate

Concen: 8.714 ug/l

RT: 6.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

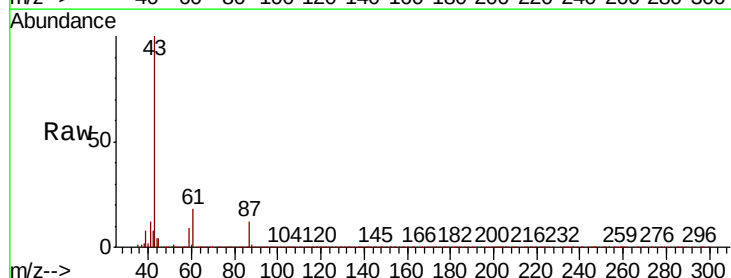
Tgt Ion: 43 Resp: 293556

Ion Ratio Lower Upper

43 100

61 18.9 14.8 22.2

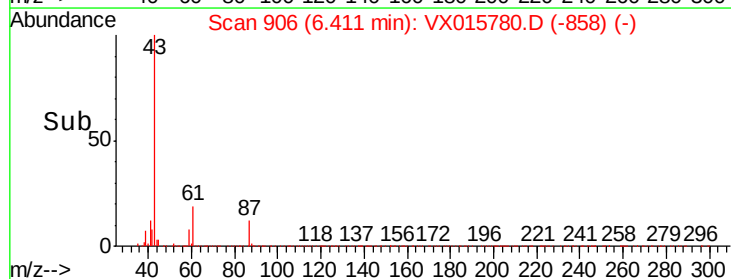
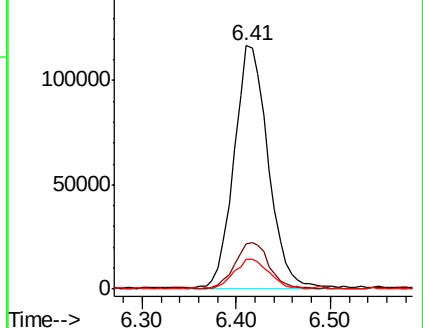
87 12.5 9.4 14.0

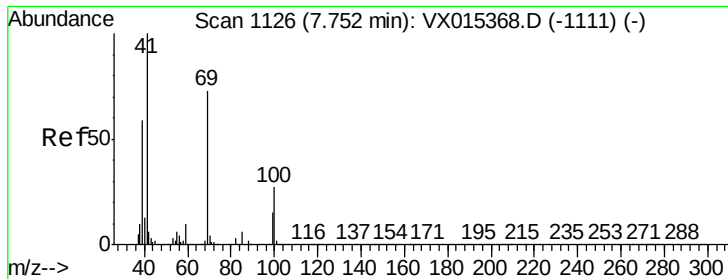


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

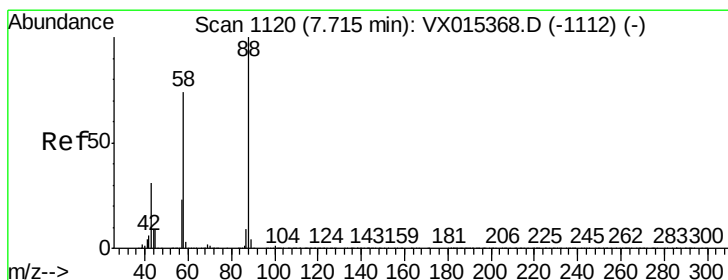
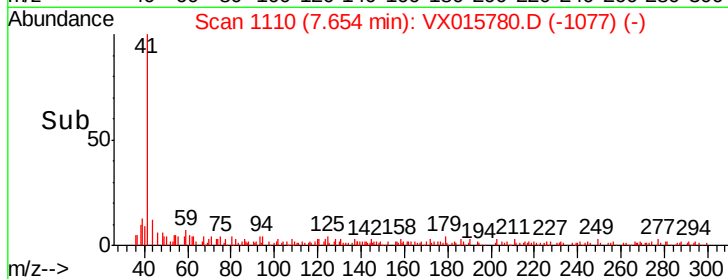
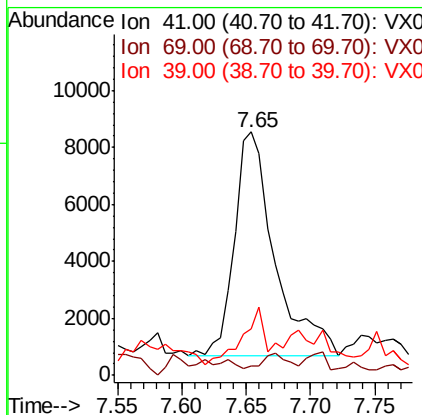
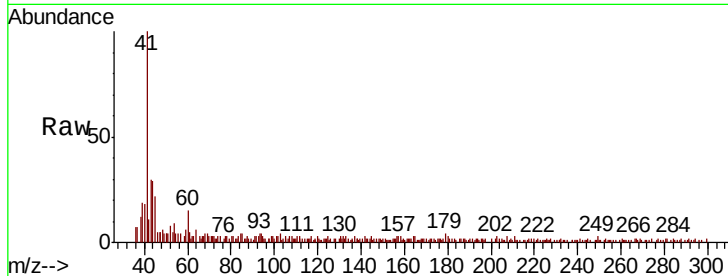




#48
Methvl methacrylate
Concen: 1.022 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015780.D
Acq: 20 Apr 2020 20:44

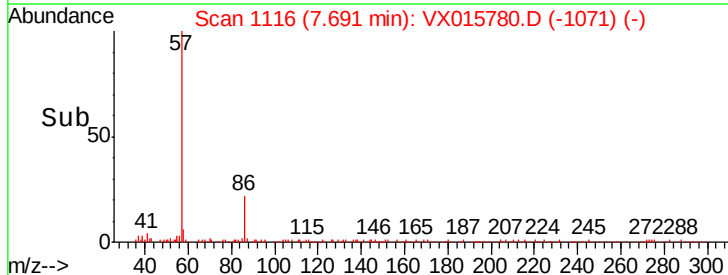
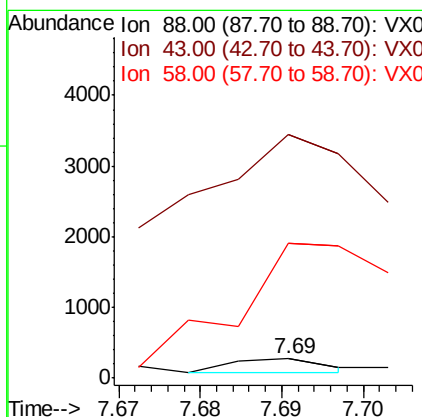
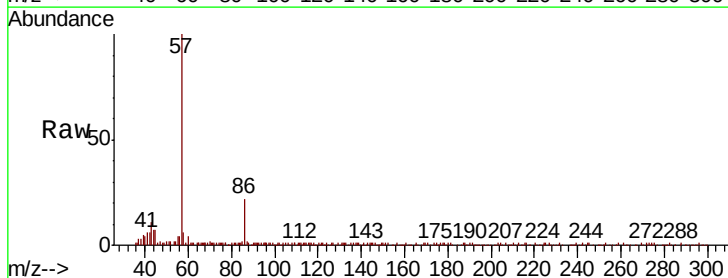
Instrument :
MSVOA_X
ClientSampled :

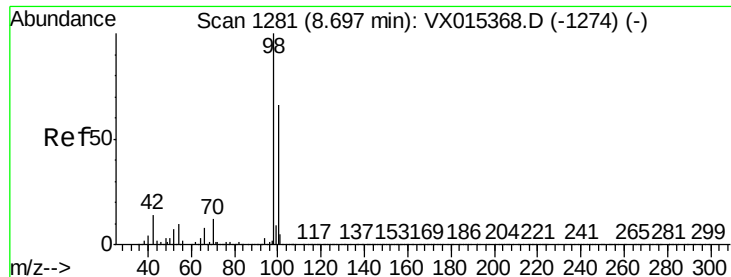
Tot Ion: 41 Resp: 17199
Ion Ratio Lower Upper
41 100
69 4.5 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 0.478 ug/l
RT: 7.69 min Scan# 1116
Delta R.T. -0.02 min
Lab File: VX015780.D
Acq: 20 Apr 2020 20:44

Tgt Ion: 88 Resp: 150
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 2197.3 60.6 90.8#





#50

Toluene-d8

Concen: 50.795 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

Instrument :

MSVOA_X

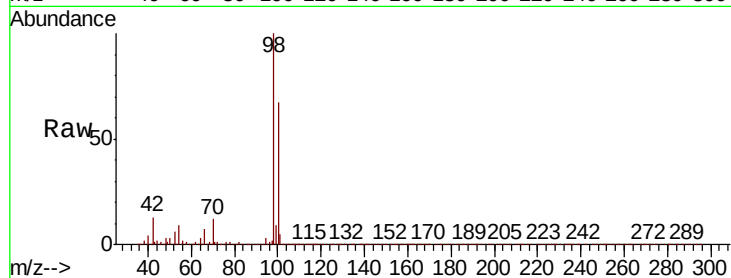
ClientSampled :

Tot Ion: 98 Resp: 1988521

Ion Ratio Lower Upper

98 100

100 67.5 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

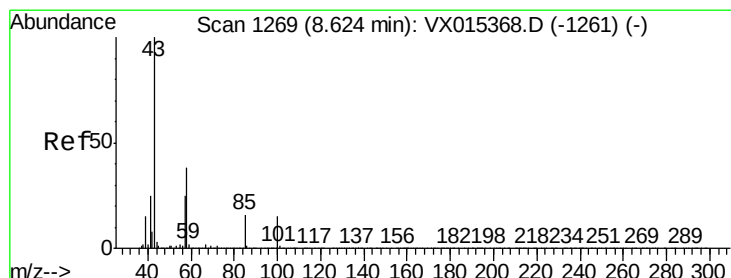
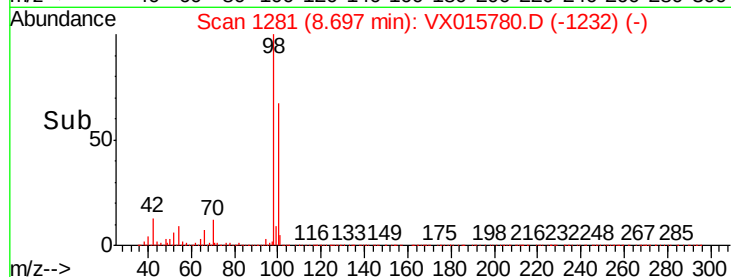
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 15.319 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VX015780.D

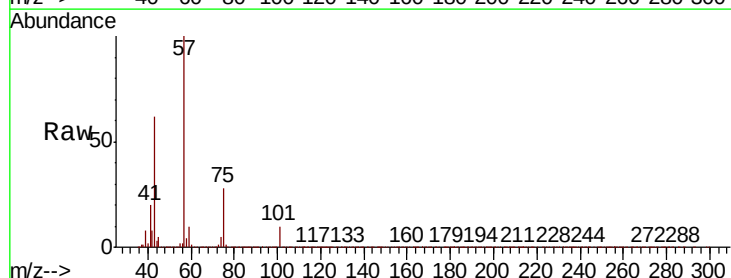
Acq: 20 Apr 2020 20:44

Tgt Ion: 43 Resp: 292465

Ion Ratio Lower Upper

43 100

58 5.6 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.59

200000

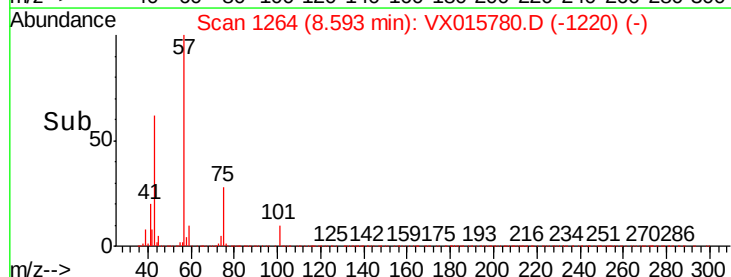
150000

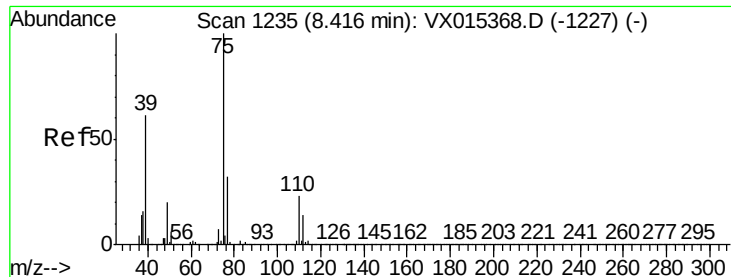
100000

50000

0

Time-->



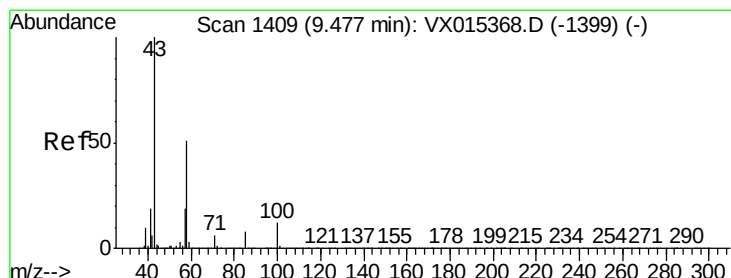
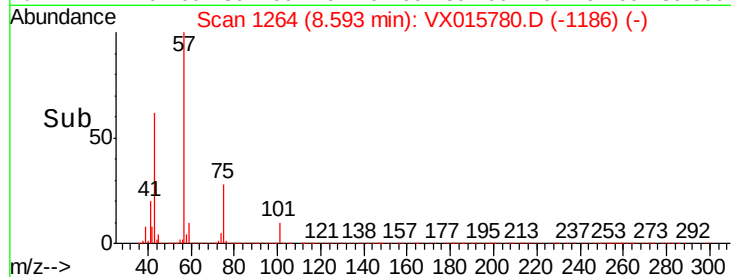
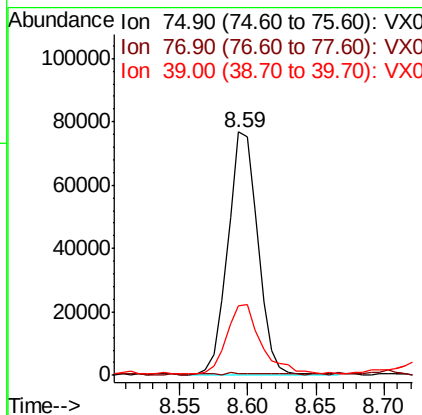
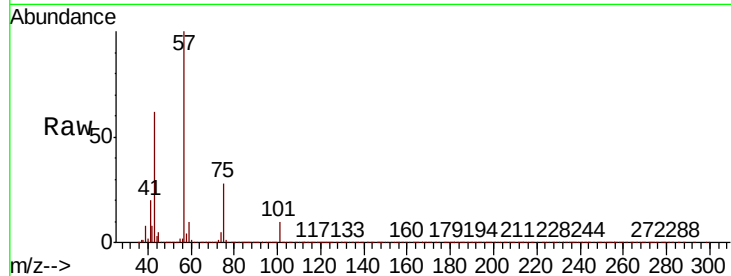


#54

cis-1,3-Dichloropropene
 Concen: 5.690 ug/l
 RT: 8.59 min Scan# 1264
 Delta R.T. 0.18 min
 Lab File: VX015780.D
 Acq: 20 Apr 2020 20:44

Instrument :
 MSVOA_X
 ClientSampled :

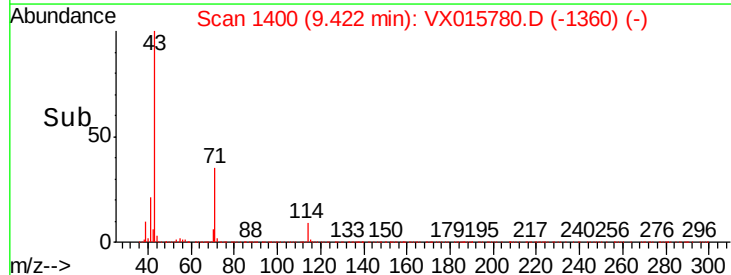
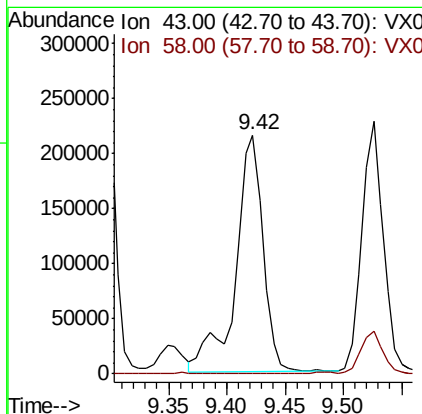
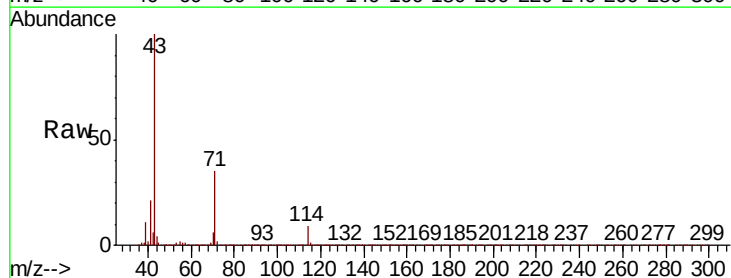
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.1	25.8	38.6#
39	27.9	49.0	73.4#

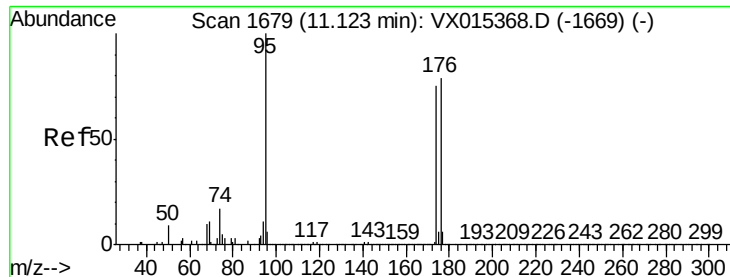


#59

2-Hexanone
 Concen: 24.661 ug/l
 RT: 9.42 min Scan# 1400
 Delta R.T. -0.05 min
 Lab File: VX015780.D
 Acq: 20 Apr 2020 20:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.6	76.6#





#62

4-Bromofluorobenzene

Concen: 53.599 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

Instrument :

MSVOA_X

ClientSampled :

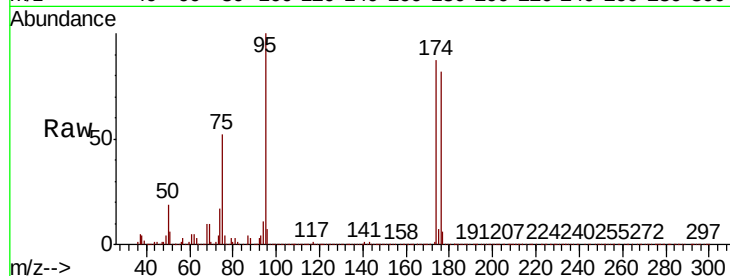
Tot Ion: 95 Resp: 852748

Ion Ratio Lower Upper

95 100

174 87.1 0.0 158.6

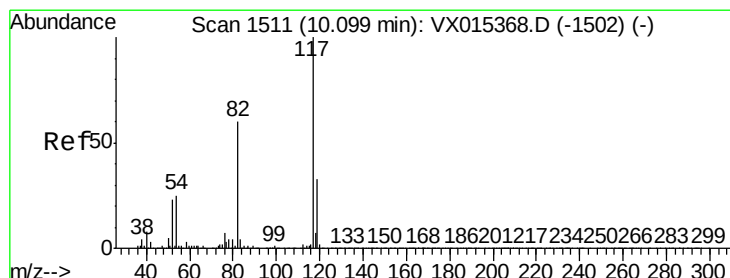
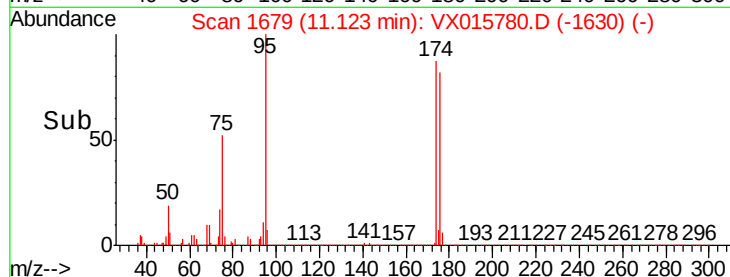
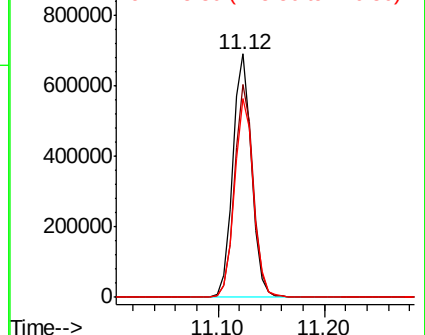
176 82.9 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015780.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015780.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015780.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

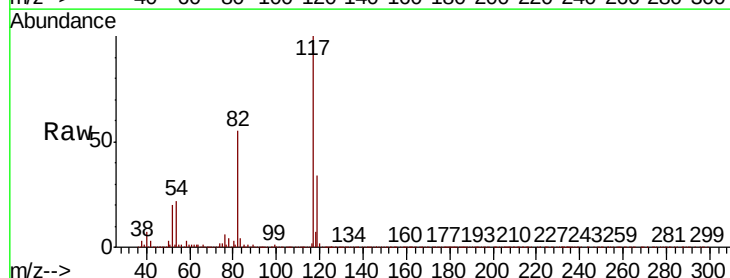
Tgt Ion: 117 Resp: 1611907

Ion Ratio Lower Upper

117 100

82 55.4 47.8 71.8

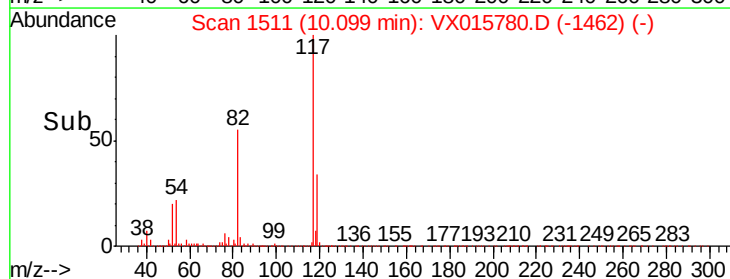
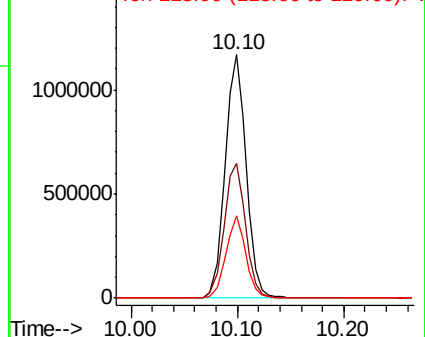
119 33.7 26.8 40.2

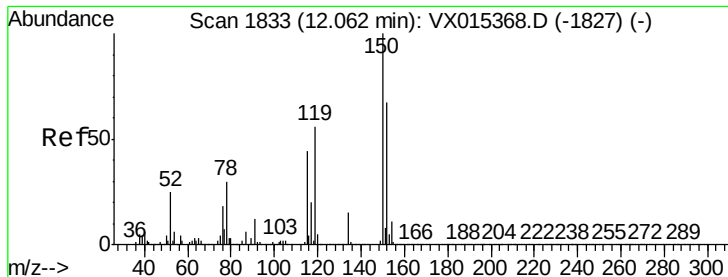


Abundance Ion 116.90 (116.60 to 117.60): VX015780.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015780.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015780.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

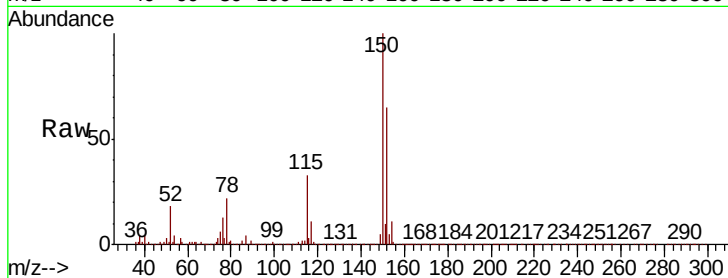
Tot Ion:152 Resp: 909322

Ion Ratio Lower Upper

152 100

115 56.9 39.0 116.9

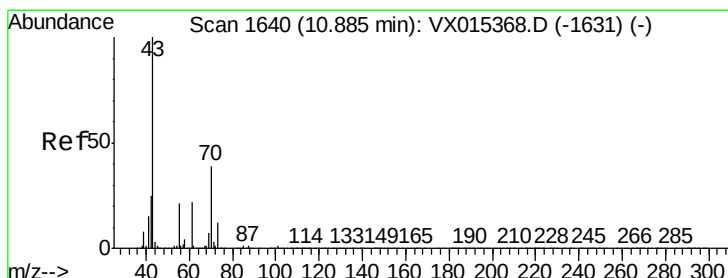
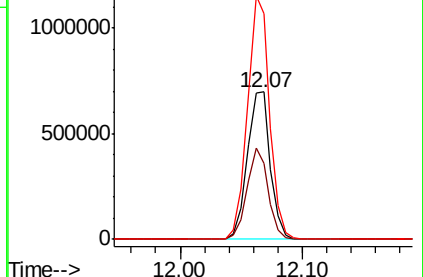
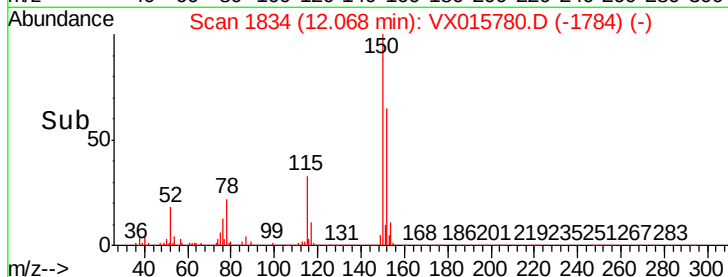
150 158.1 0.0 340.8



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



#74

N-amil acetate

Concen: 0.490 ug/l

RT: 10.81 min Scan# 1627

Delta R.T. -0.08 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

Tgt Ion: 43 Resp: 16239

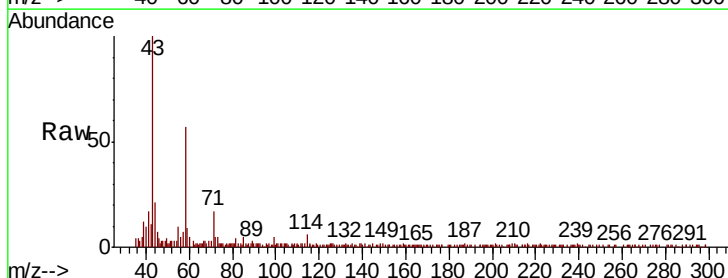
Ion Ratio Lower Upper

43 100

70 1.4 30.2 45.4#

55 9.9 16.8 25.2#

61 0.0 18.2 27.2#

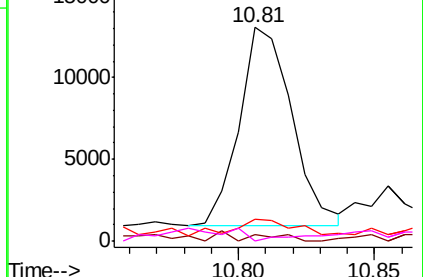
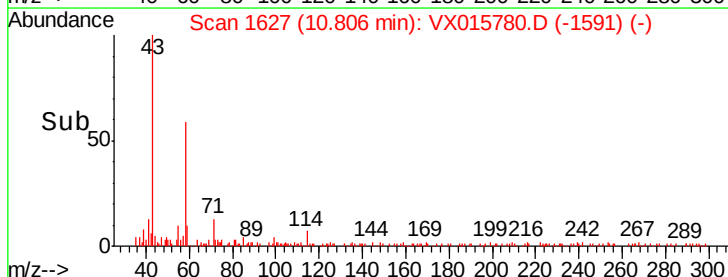


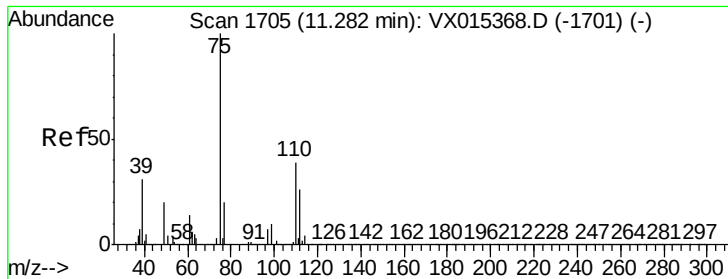
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 23.107 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

Instrument :

MSVOA_X

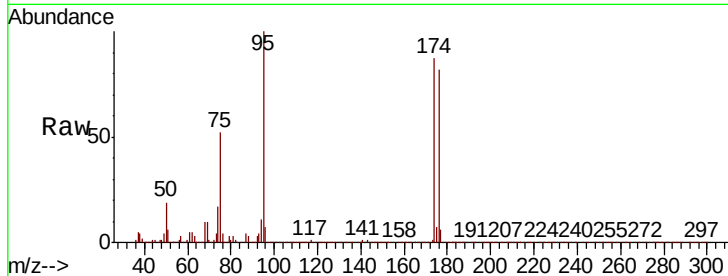
ClientSampleId :

Tot Ion: 75 Resp: 432091

Ion Ratio Lower Upper

75 100

77 1.0 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

400000

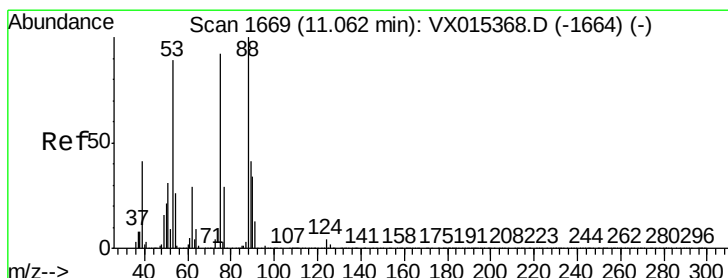
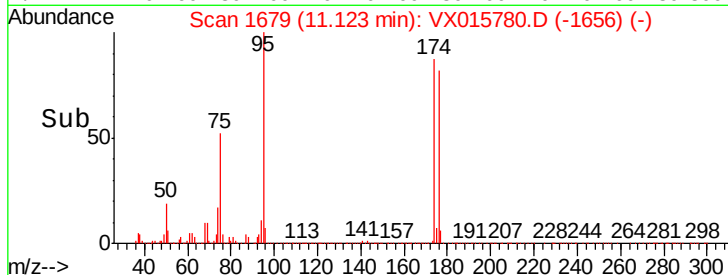
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 55.444 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015780.D

Acq: 20 Apr 2020 20:44

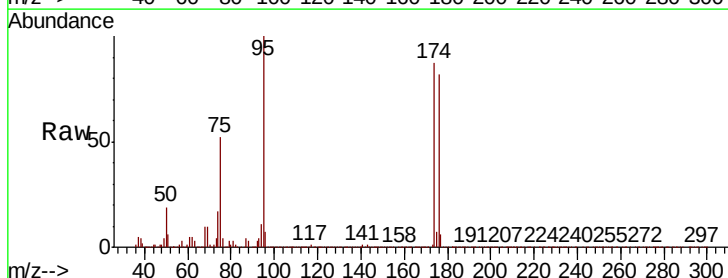
Tgt Ion: 75 Resp: 432091

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 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

500000

400000

300000

200000

100000

0

Time-->

