

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX033020\
 Data File : VX015433.D
 Acq On : 30 Mar 2020 17:13
 Operator : JC/SP
 Sample : L2022-01 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 31 08:53:21 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	1125321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1833396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1756031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	960194	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	765633	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	5.47	113	582784	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	8.70	98	2240229	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.12	95	965077	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	

Target Compounds

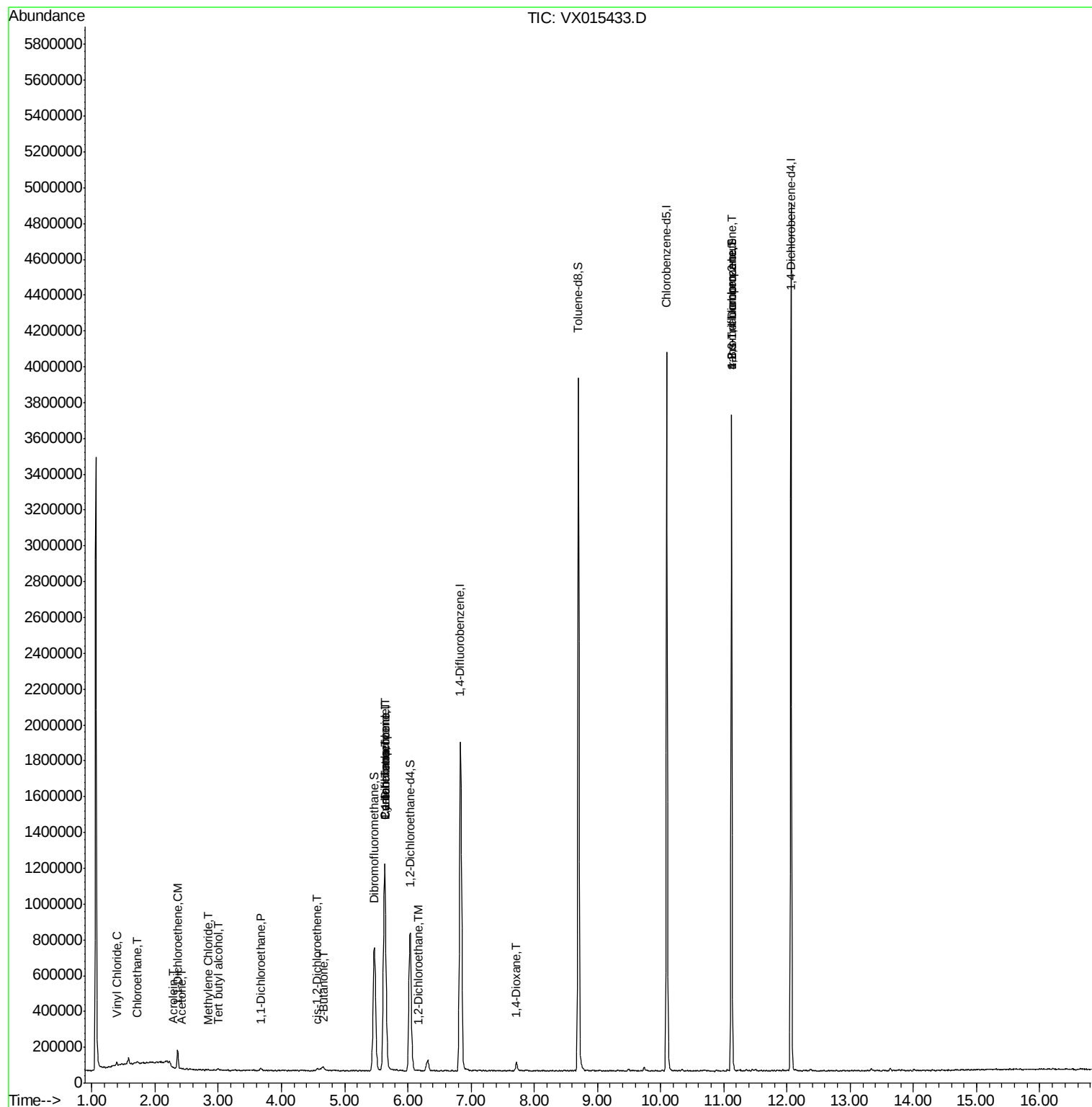
					Qvalue
4) Vinyl Chloride	1.39	62	7824	0.675 ug/l	100
5) Bromomethane	1.64	94	1152	Below Cal	# 33
6) Chloroethane	1.72	64	7145	0.994 ug/l	99
11) Tert butyl alcohol	3.00	59	7122	1.875 ug/l	# 84
12) 1,1-Dichloroethene	2.36	96	33351	3.139 ug/l	87
13) Acrolein	2.28	56	703	0.325 ug/l	# 14
16) Acetone	2.42	43	4501	0.660 ug/l	# 80
20) Methylene Chloride	2.84	84	3772	0.296 ug/l	# 74
24) 1,1-Dichloroethane	3.67	63	17753	0.767 ug/l	99
25) 2-Butanone	4.67	43	2368	0.216 ug/l	# 79
27) cis-1,2-Dichloroethene	4.57	96	8274	0.607 ug/l	84
31) Cyclohexane	5.64	56	23544	1.172 ug/l	# 16
36) 1,1-Dichloropropene	5.64	75	88977	5.267 ug/l	# 53
38) Carbon Tetrachloride	5.64	117	110604	6.045 ug/l	# 14
42) 1,2-Dichloroethane	6.16	62	7762	0.391 ug/l	94
49) 1,4-Dioxane	7.71	88	36612	105.821 ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	493334	24.984 ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.12	75	493334	59.949 ug/l	# 10

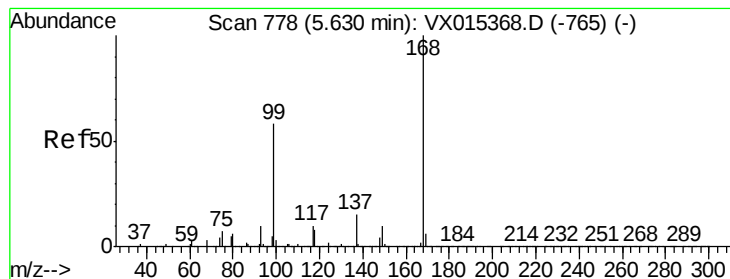
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX033020\
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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: VX015433.D

Acq: 30 Mar 2020 17:13

Instrument :

MSVOA_X

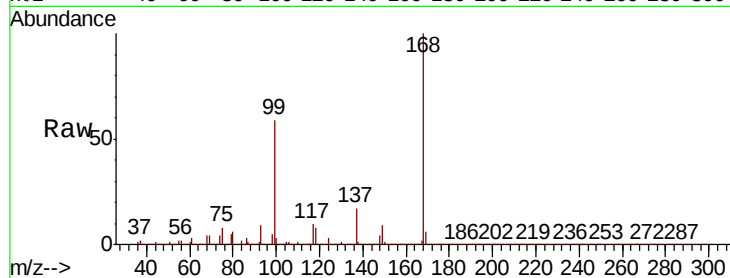
ClientSampleId :

Tot Ion:168 Resp: 1125321

Ion Ratio Lower Upper

168 100

99 59.2 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

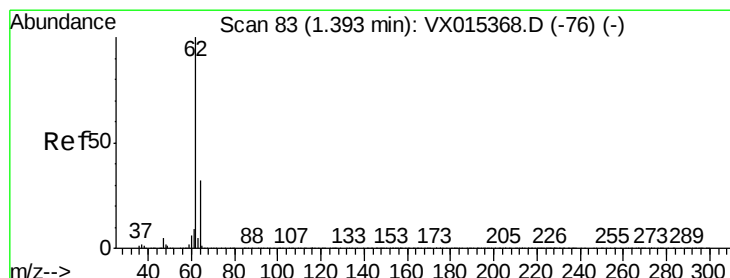
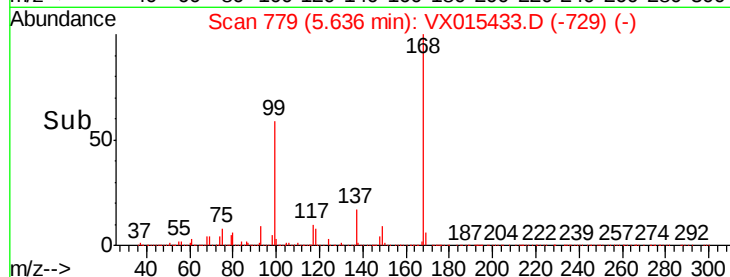
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 0.675 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015433.D

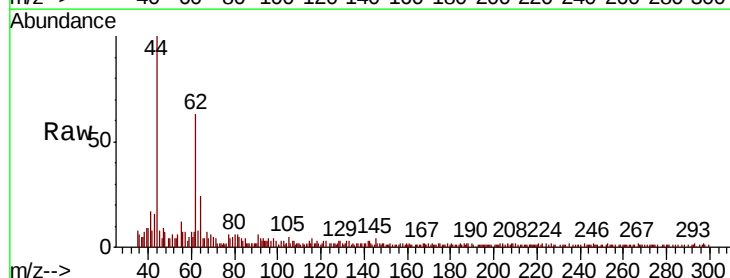
Acq: 30 Mar 2020 17:13

Tgt Ion: 62 Resp: 7824

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

10000

8000

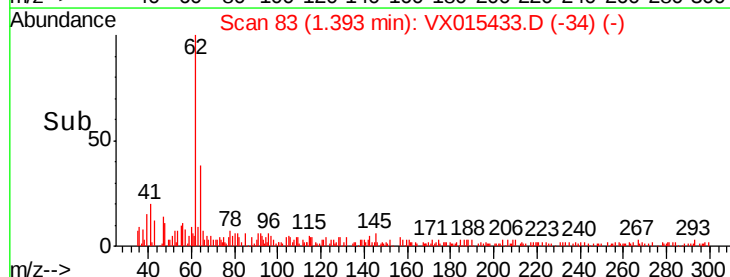
6000

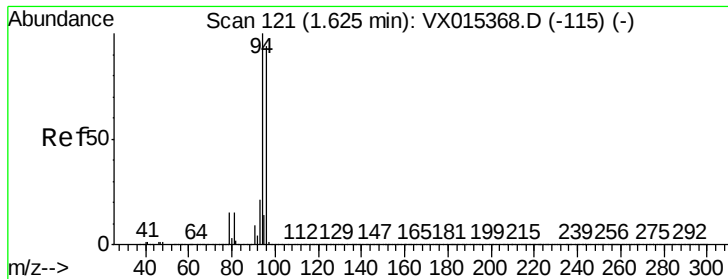
4000

2000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

Instrument :

MSVOA_X

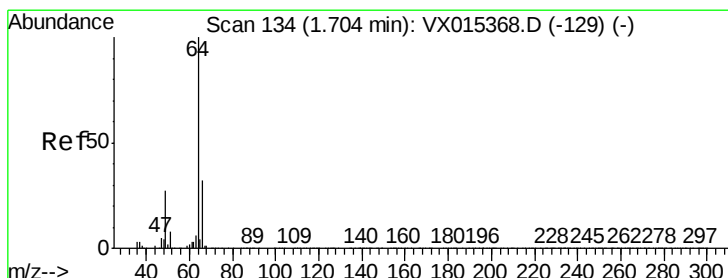
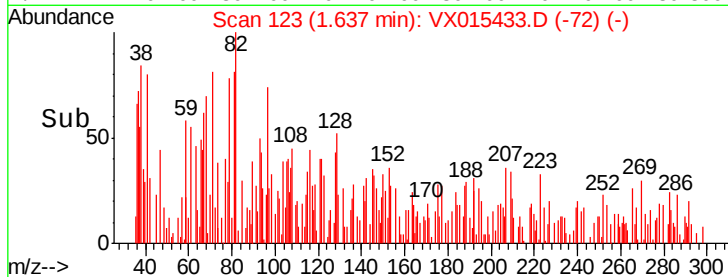
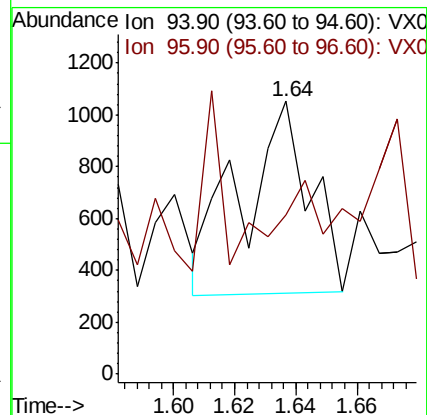
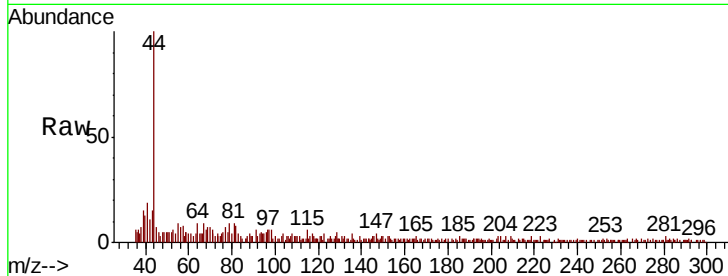
ClientSampleId :

Tot Ion: 94 Resp: 1152

Ion Ratio Lower Upper

94 100

96 29.4 74.8 112.2#



#6

Chloroethane

Concen: 0.994 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX015433.D

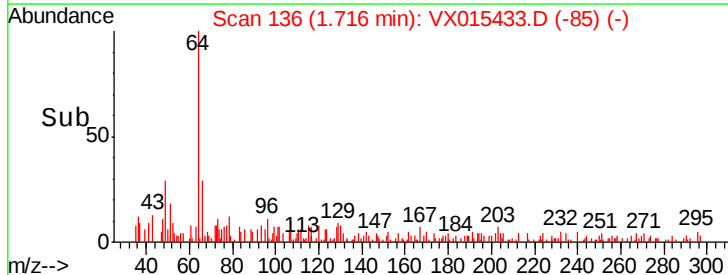
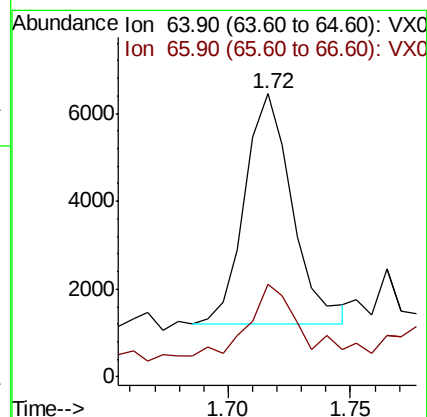
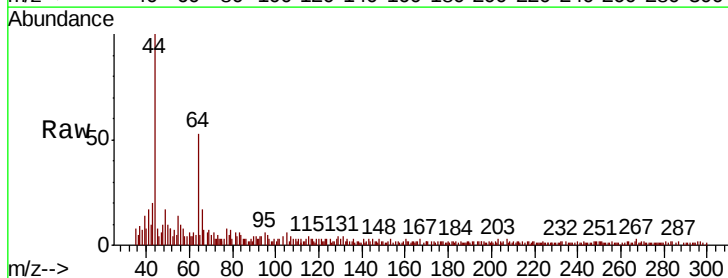
Acq: 30 Mar 2020 17:13

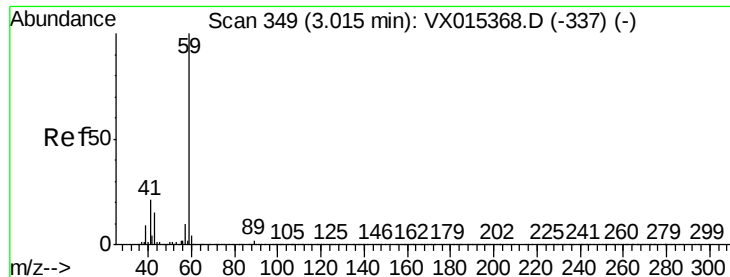
Tgt Ion: 64 Resp: 7145

Ion Ratio Lower Upper

64 100

66 31.0 25.4 38.2



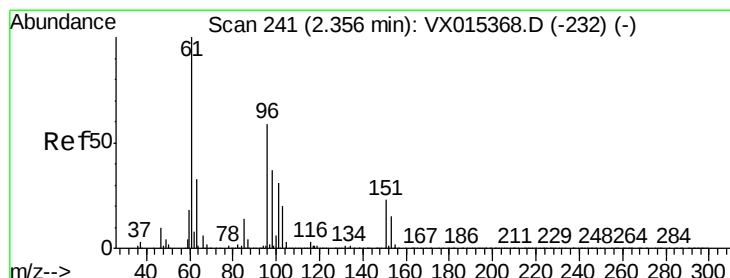
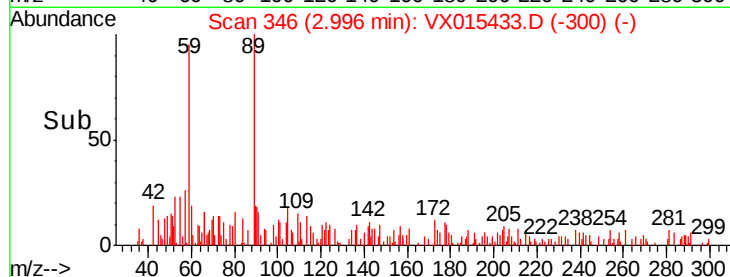
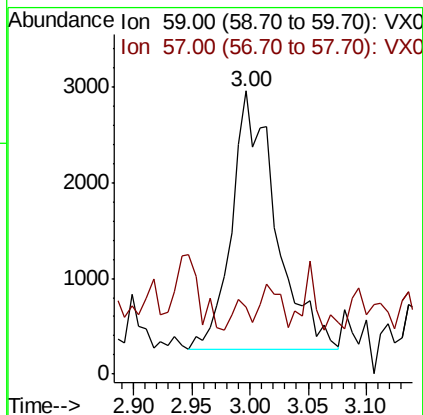
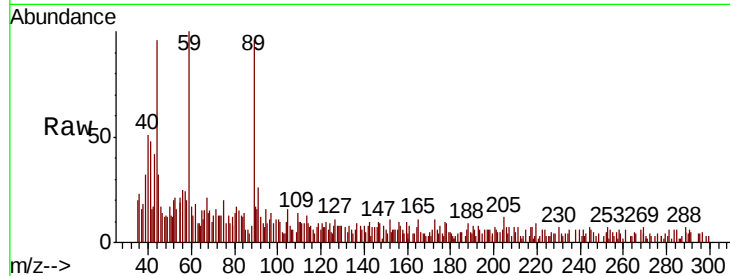


#11

Tert butyl alcohol
Concen: 1.875 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015433.D
Acq: 30 Mar 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :

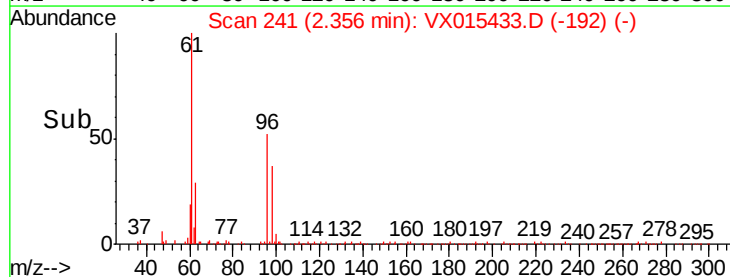
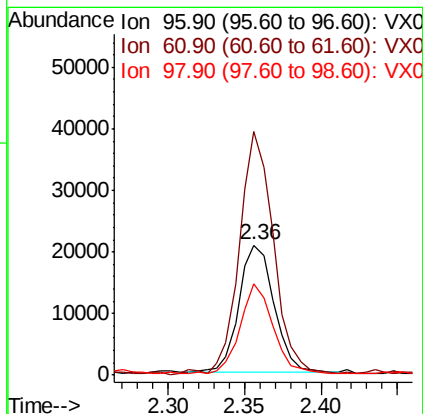
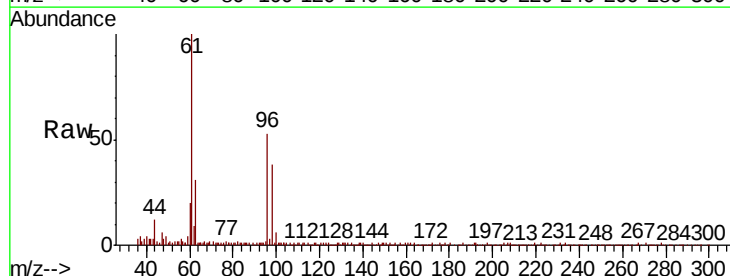
Tot Ion: 59 Resp: 7122
Ion Ratio Lower Upper
59 100
57 4.0 8.1 12.1#

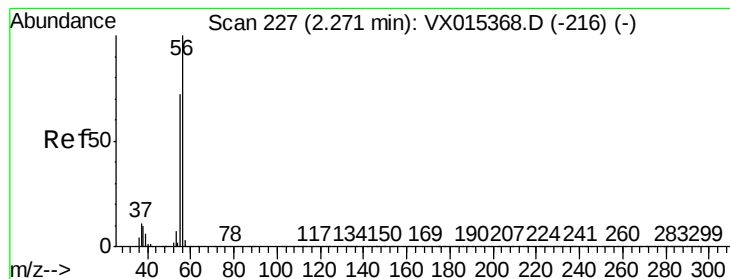


#12

1,1-Dichloroethene
Concen: 3.139 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX015433.D
Acq: 30 Mar 2020 17:13

Tgt Ion: 96 Resp: 33351
Ion Ratio Lower Upper
96 100
61 189.6 135.7 203.5
98 71.0 50.6 75.8





#13

Acrolein

Concen: 0.325 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

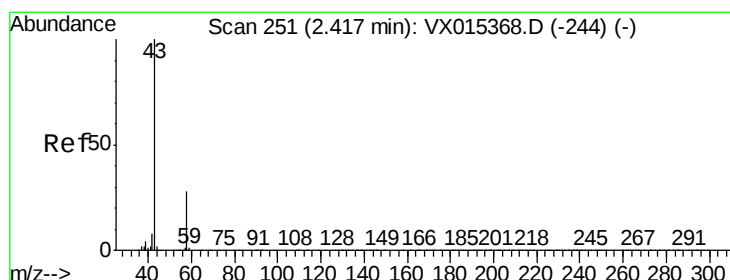
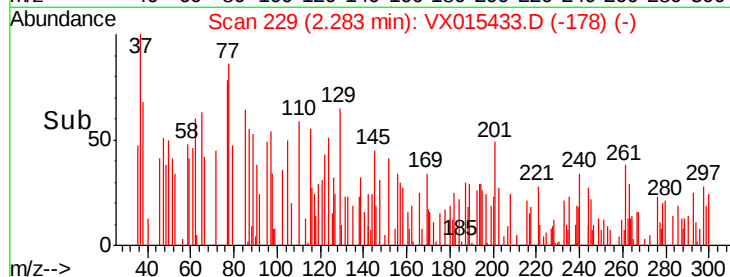
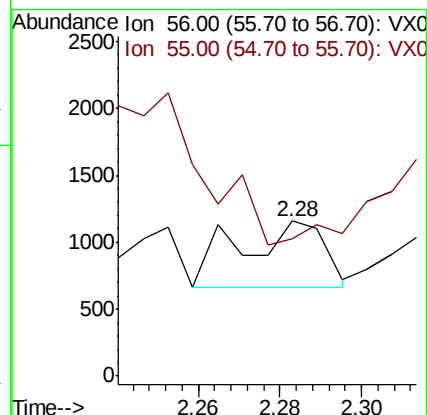
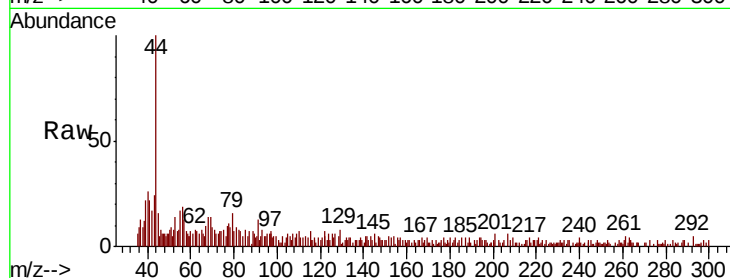
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 703

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 0.660 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015433.D

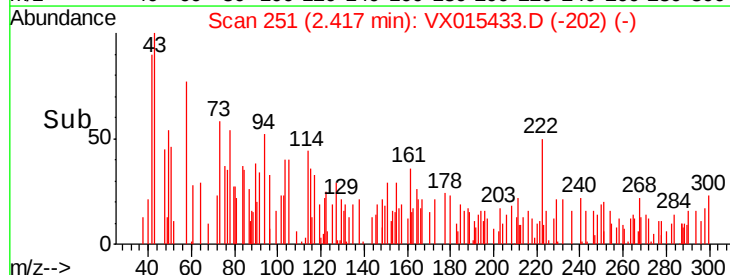
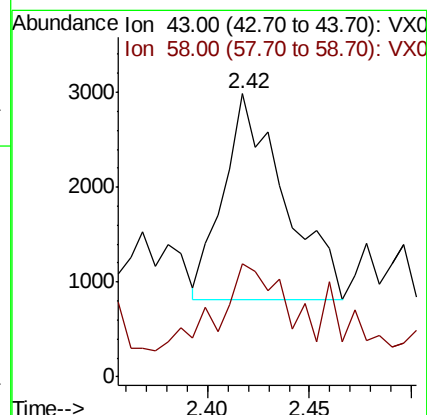
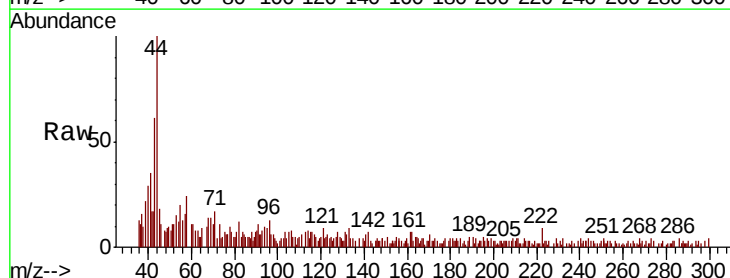
Acq: 30 Mar 2020 17:13

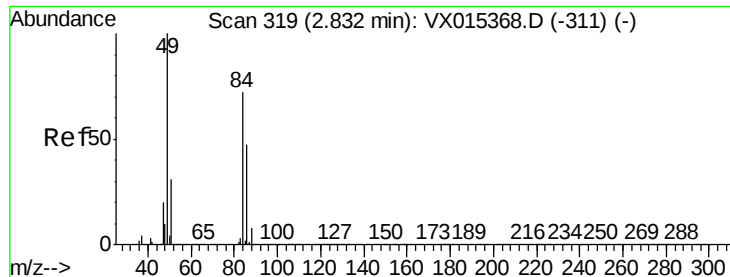
Tgt Ion: 43 Resp: 4501

Ion Ratio Lower Upper

43 100

58 37.9 22.1 33.1#

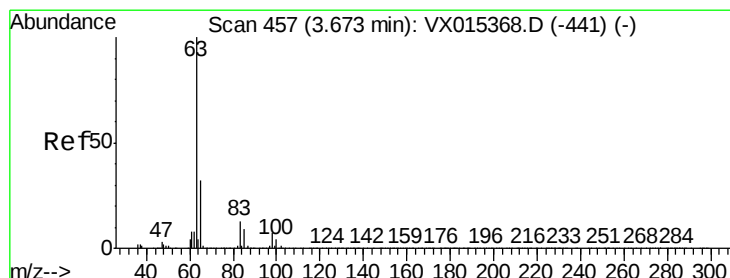
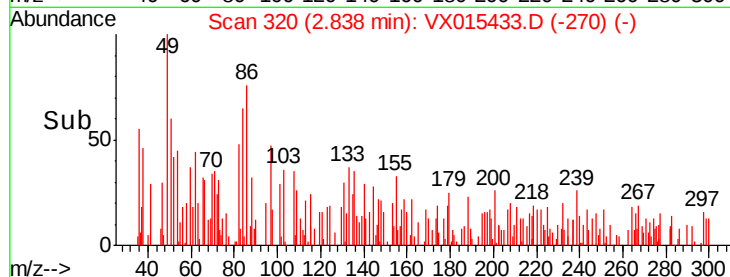
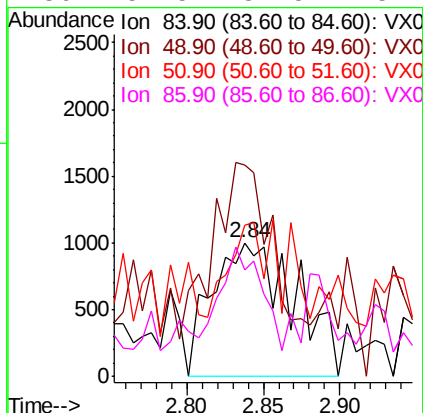
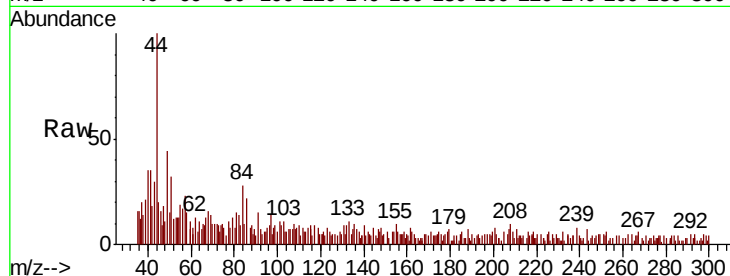




#20
Methvlene Chloride
Concen: 0.296 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015433.D
Acq: 30 Mar 2020 17:13

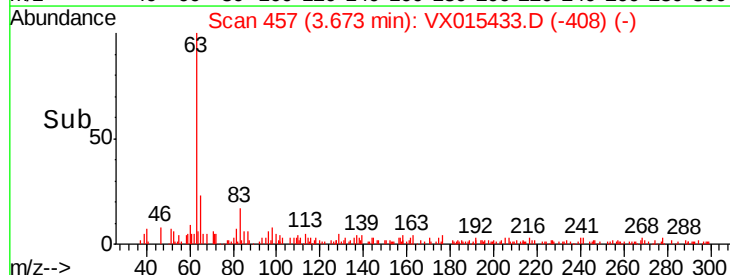
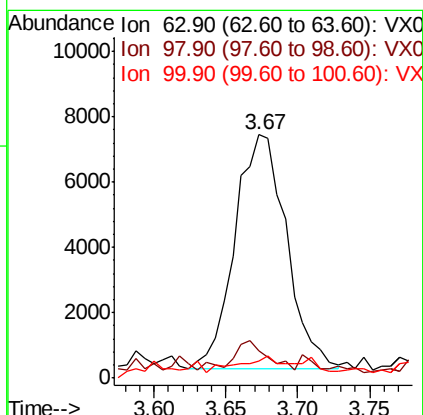
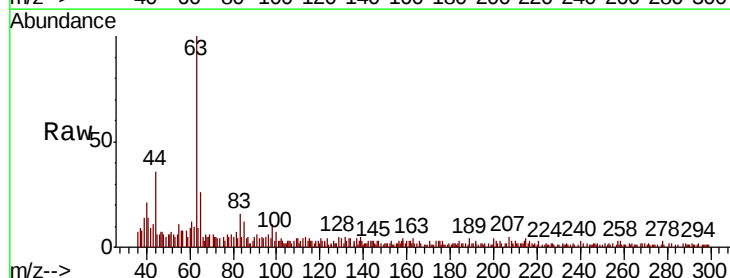
Instrument :
MSVOA_X
ClientSampled :

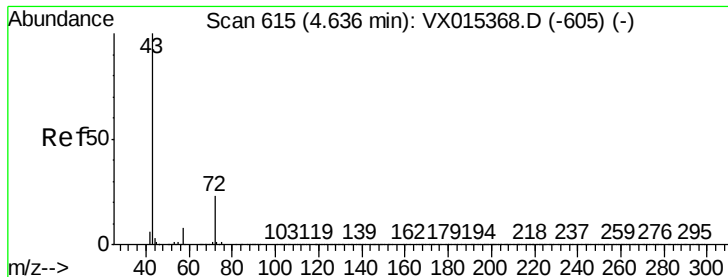
Tot Ion: 84 Resp: 3772
Ion Ratio Lower Upper
84 100
49 94.8 111.3 166.9#
51 38.2 34.0 51.0
86 52.5 52.5 78.7



#24
1,1-Dichloroethane
Concen: 0.767 ug/l
RT: 3.67 min Scan# 457
Delta R.T. -0.00 min
Lab File: VX015433.D
Acq: 30 Mar 2020 17:13

Tgt Ion: 63 Resp: 17753
Ion Ratio Lower Upper
63 100
98 7.0 3.3 9.8
100 4.3 2.1 6.5





#25

2-Butanone

Concen: 0.216 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.03 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

Instrument :

MSVOA_X

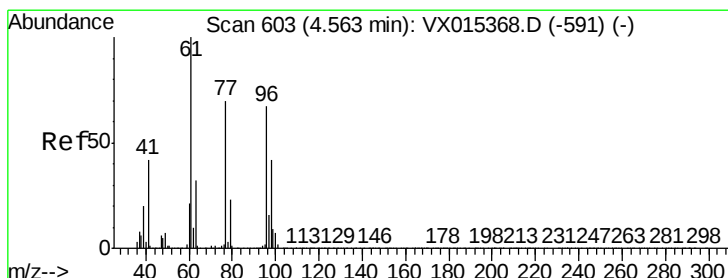
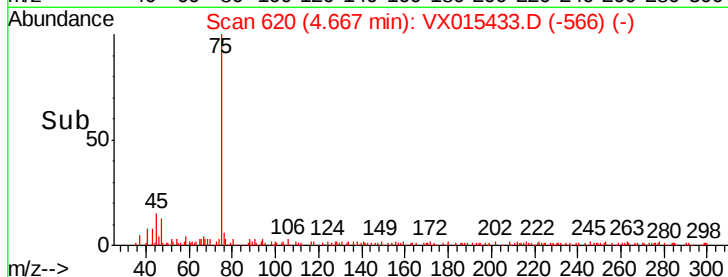
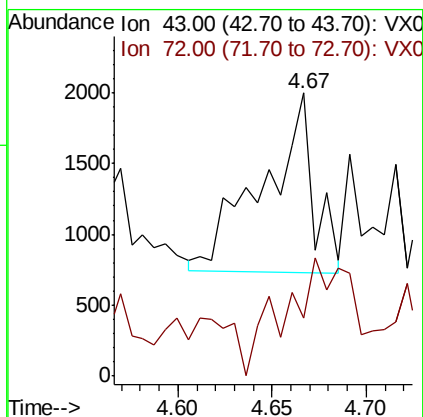
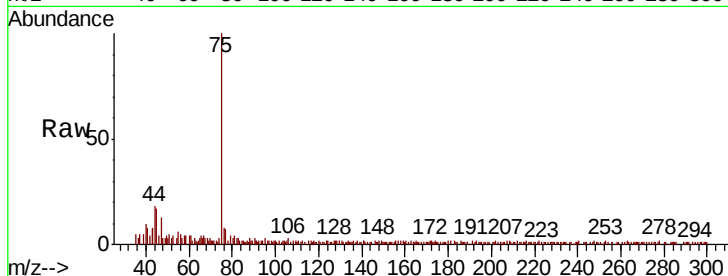
ClientSampleId :

Tot Ion: 43 Resp: 2368

Ion Ratio Lower Upper

43 100

72 13.2 19.0 28.4#



#27

cis-1,2-Dichloroethene

Concen: 0.607 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

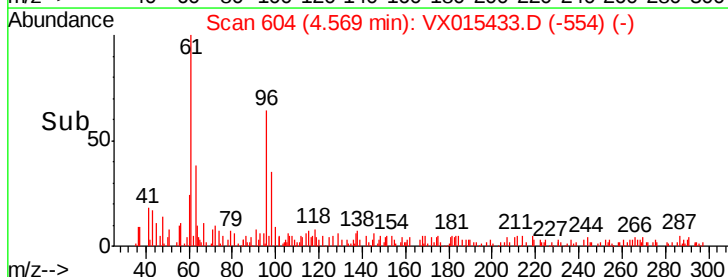
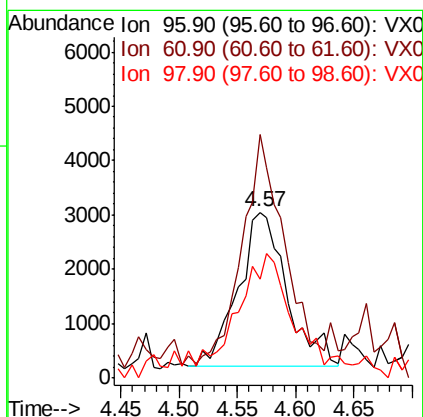
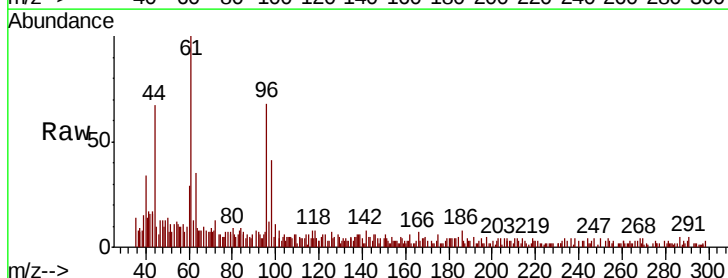
Tgt Ion: 96 Resp: 8274

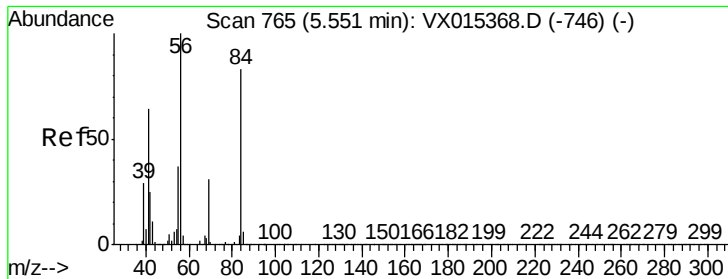
Ion Ratio Lower Upper

96 100

61 133.4 0.0 308.4

98 76.2 0.0 129.2

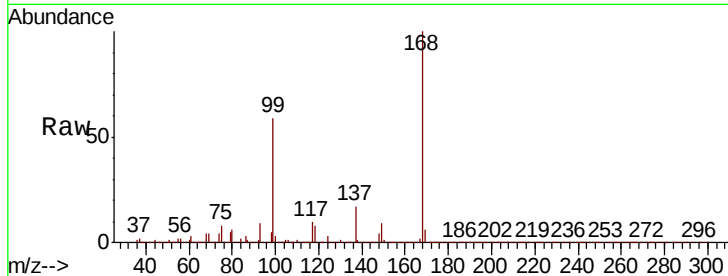




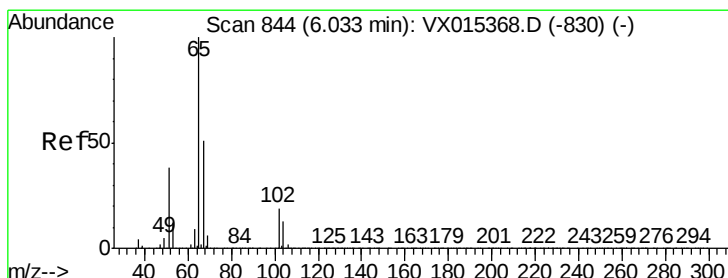
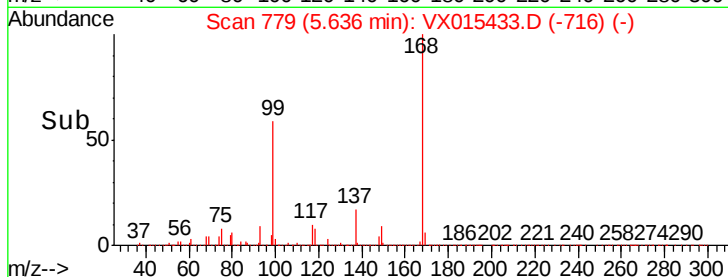
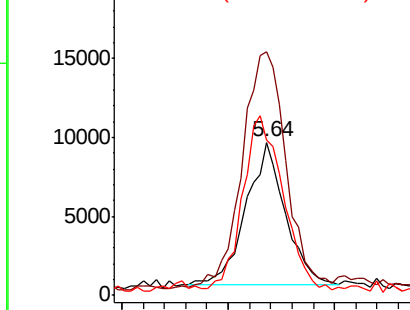
#31
Cvclohexane
Concen: 1.172 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015433.D
Acq: 30 Mar 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 23544
Ion Ratio Lower Upper
56 100
69 164.6 24.6 36.8#
84 104.0 66.1 99.1#

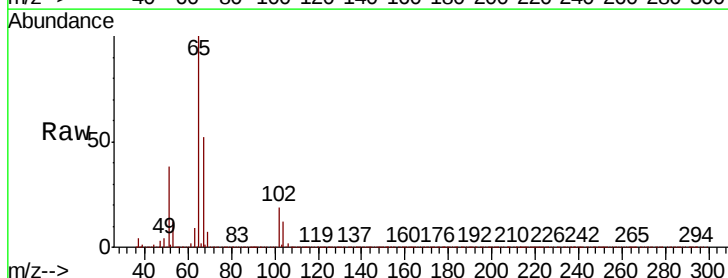


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

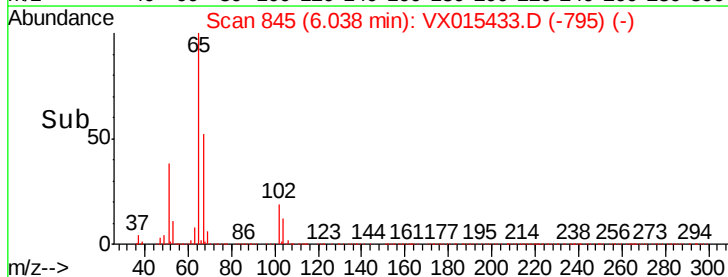
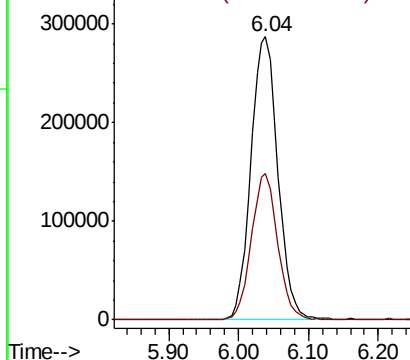


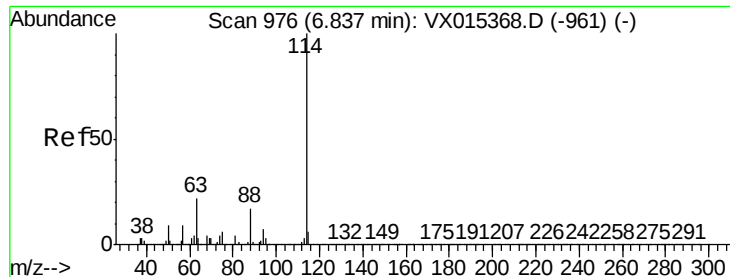
#33
1,2-Dichloroethane-d4
Concen: 48.240 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015433.D
Acq: 30 Mar 2020 17:13

Tgt Ion: 65 Resp: 765633
Ion Ratio Lower Upper
65 100
67 50.1 0.0 102.6



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: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

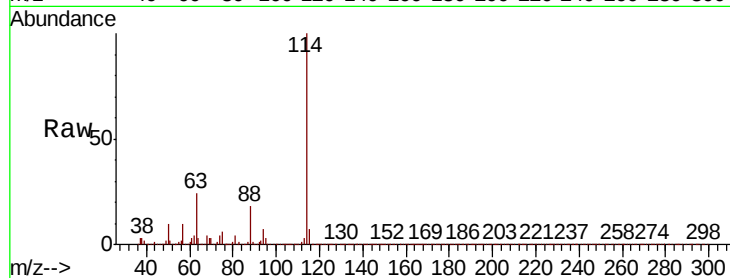
Tot Ion:114 Resp: 1833396

Ion Ratio Lower Upper

114 100

63 23.7 0.0 44.2

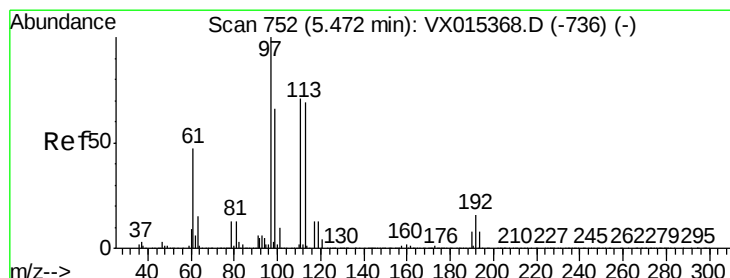
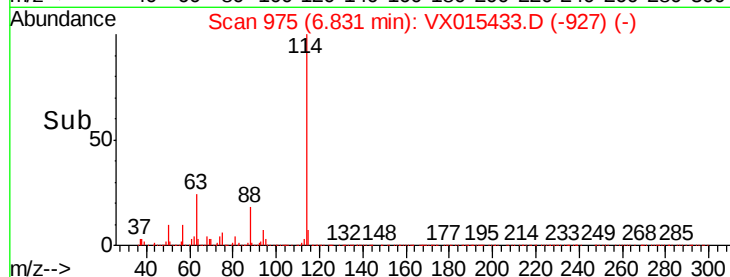
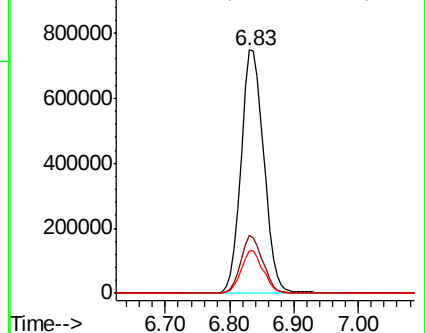
88 17.6 0.0 33.8



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: 49.727 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

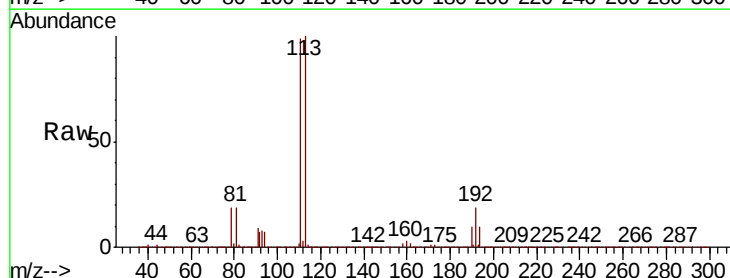
Tgt Ion:113 Resp: 582784

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

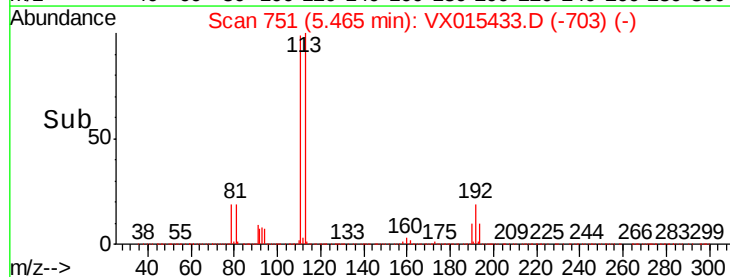
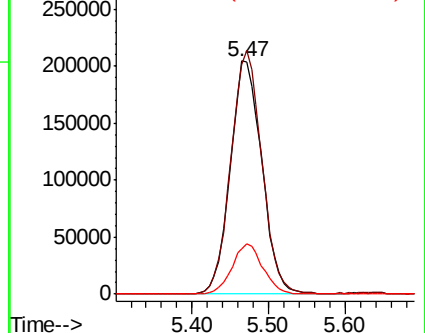
192 21.1 17.8 26.6

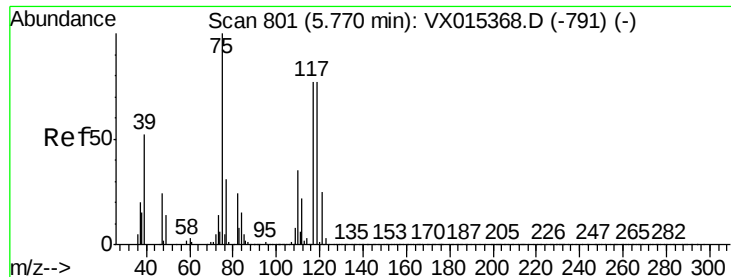


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.267 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

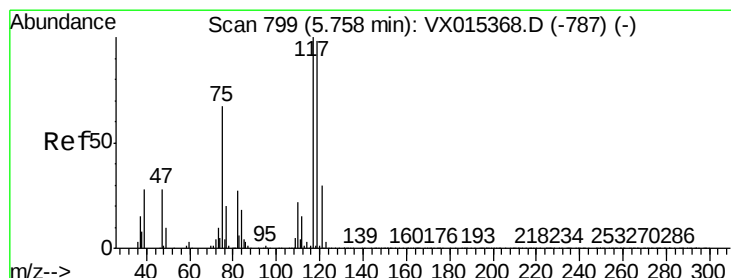
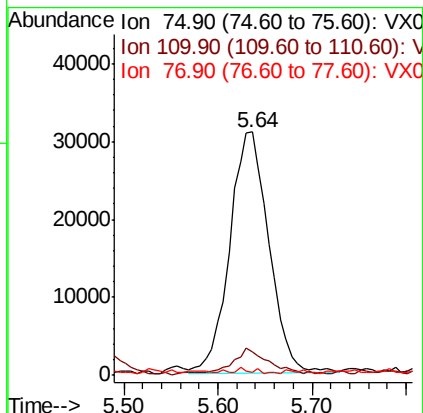
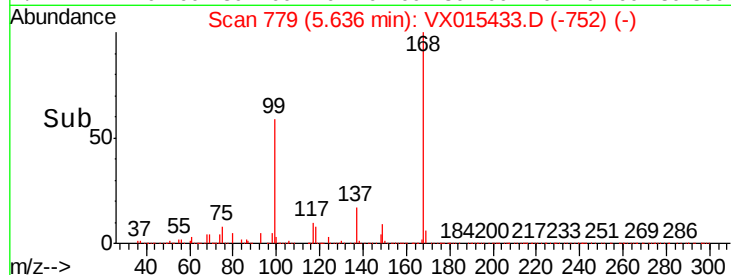
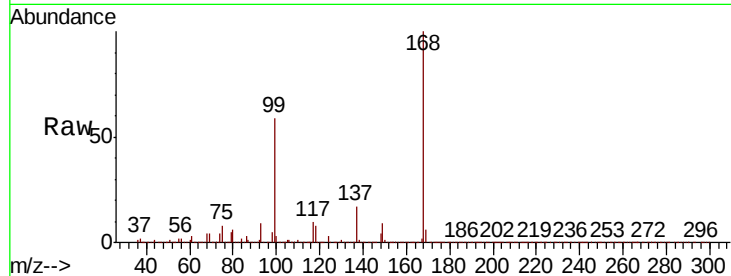
Tot Ion: 75 Resp: 88977

Ion Ratio Lower Upper

75 100

110 11.3 17.1 51.3#

77 0.7 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.045 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

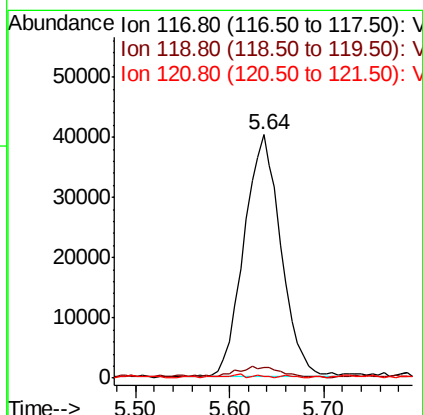
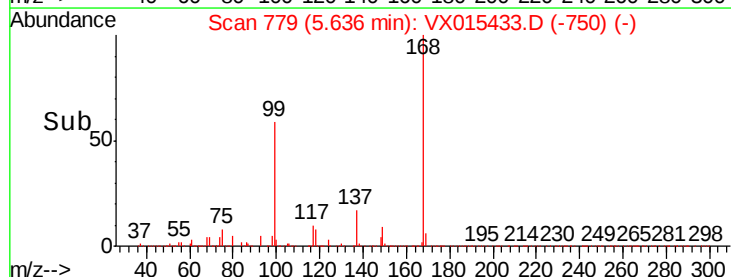
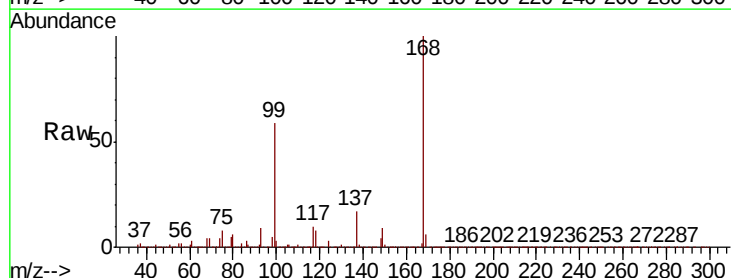
Tgt Ion: 117 Resp: 110604

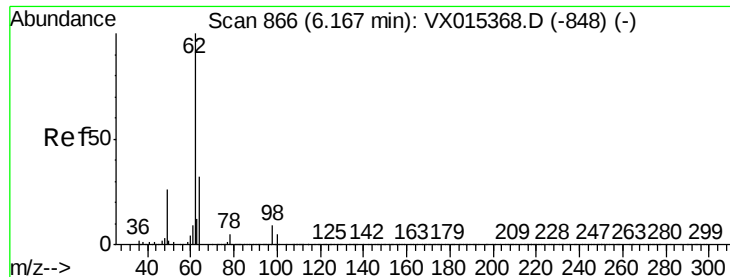
Ion Ratio Lower Upper

117 100

119 3.8 78.0 117.0#

121 0.4 23.8 35.8#





#42

1,2-Dichloroethane

Concen: 0.391 ug/l

RT: 6.16 min Scan# 865

Delta R.T. -0.01 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

Instrument :

MSVOA_X

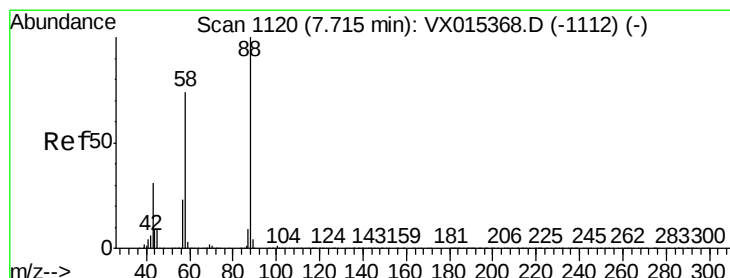
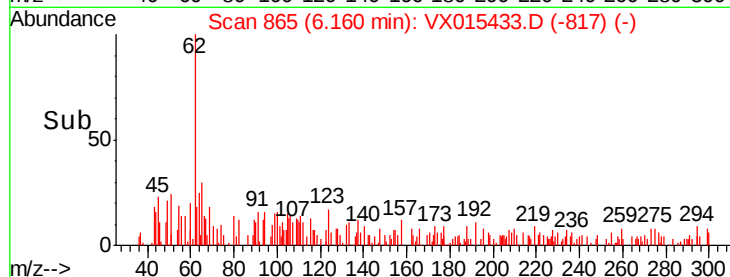
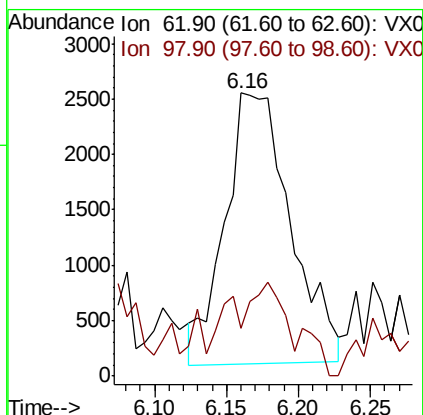
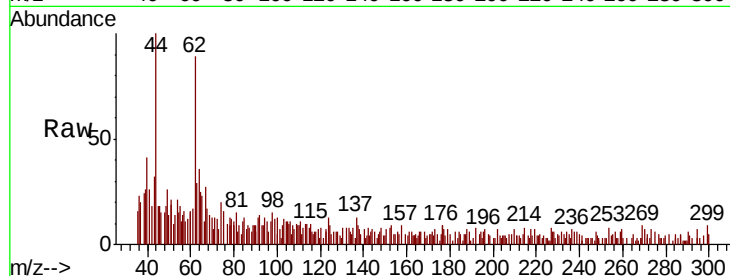
ClientSampled :

Tot Ion: 62 Resp: 7762

Ion Ratio Lower Upper

62 100

98 6.5 0.0 17.6



#49

1,4-Dioxane

Concen: 105.821 ug/l

RT: 7.71 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

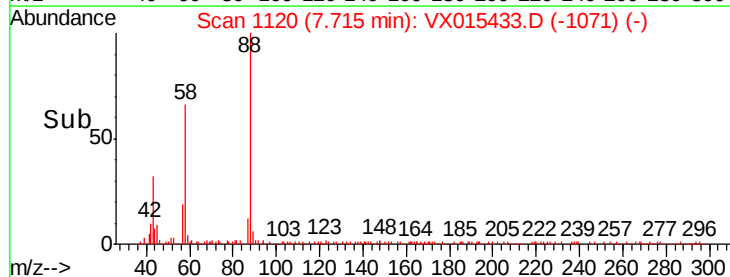
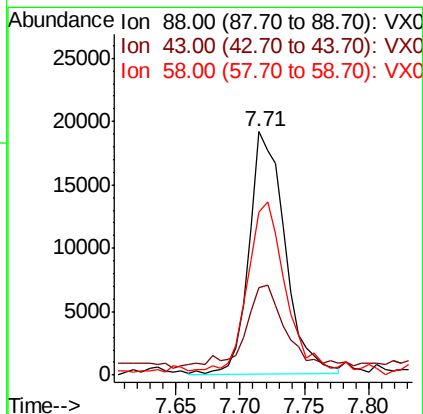
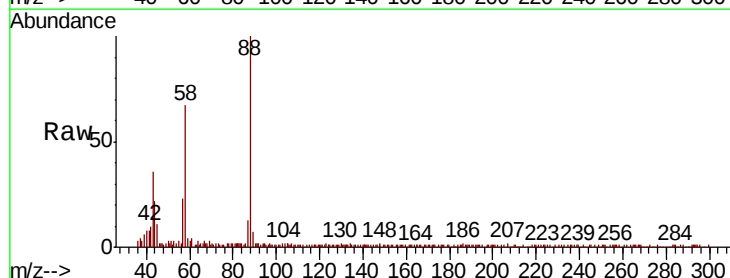
Tgt Ion: 88 Resp: 36612

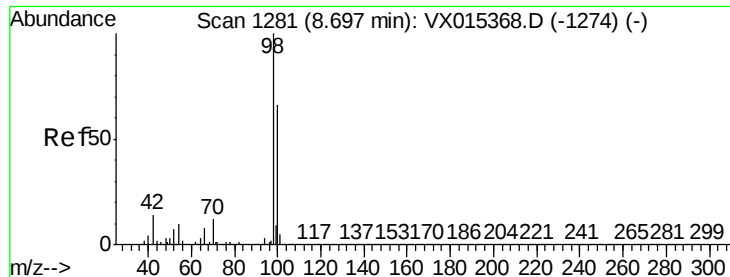
Ion Ratio Lower Upper

88 100

43 38.8 30.1 45.1

58 71.4 60.6 90.8





#50

Toluene-d8

Concen: 51.919 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

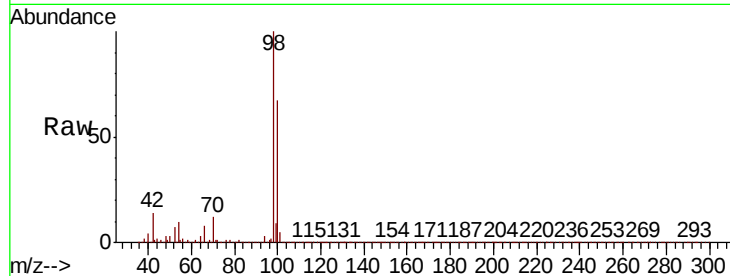
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 2240229

Ion Ratio Lower Upper

98 100

100 66.6 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

1500000

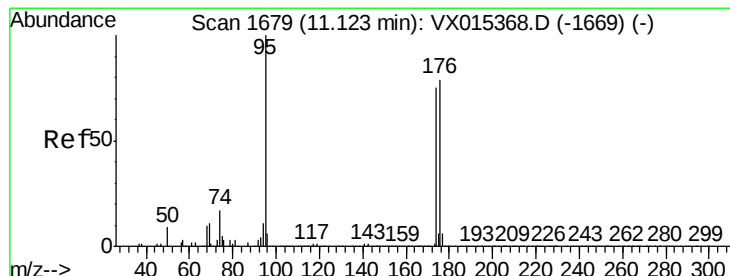
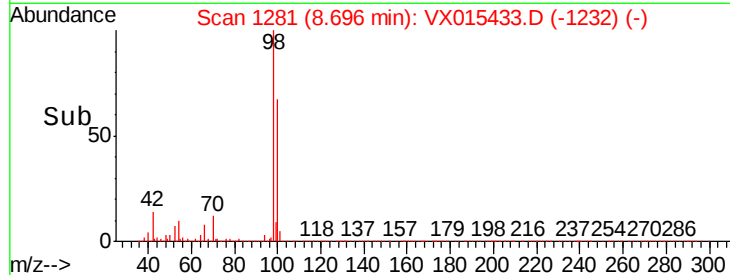
1000000

500000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 55.035 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

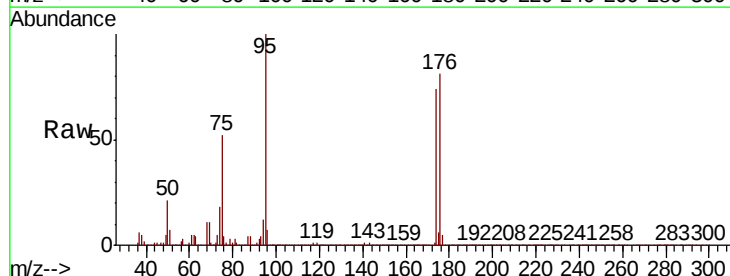
Tgt Ion: 95 Resp: 965077

Ion Ratio Lower Upper

95 100

174 74.5 0.0 158.6

176 77.1 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

1000000

800000

600000

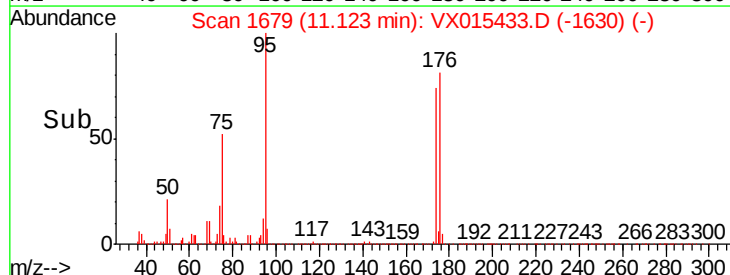
400000

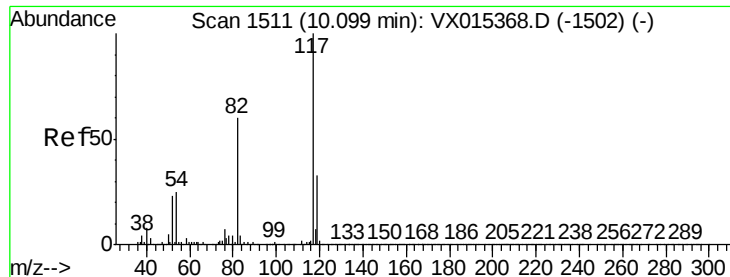
200000

0

11.00 11.10 11.20

Time-->

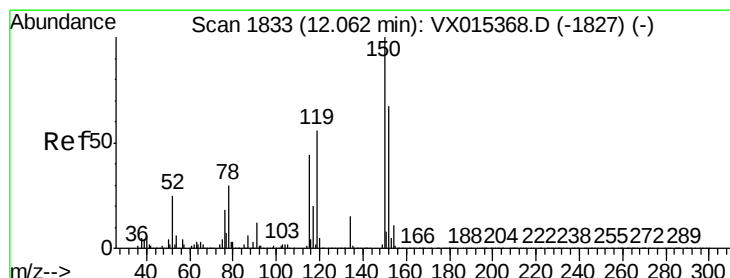
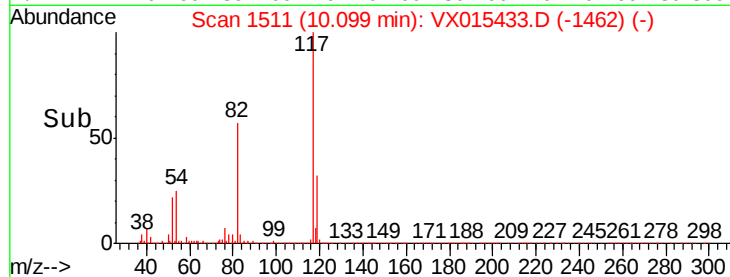
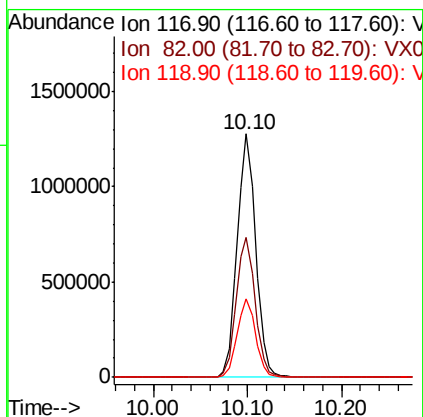
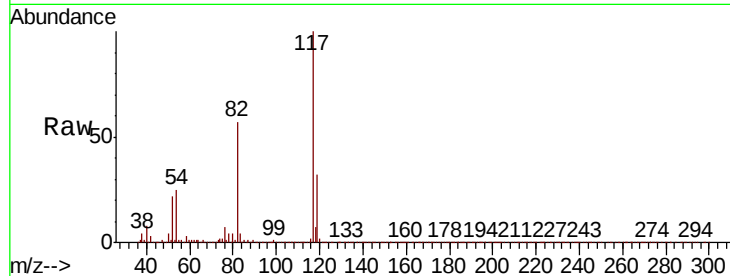




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015433.D
Acq: 30 Mar 2020 17:13

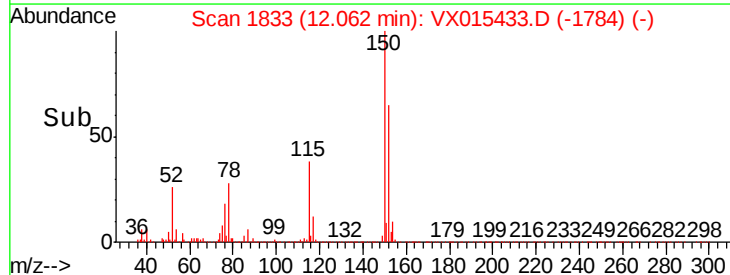
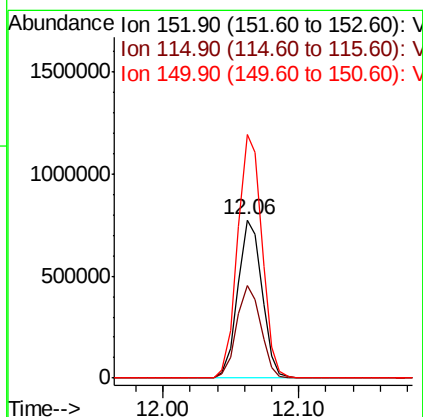
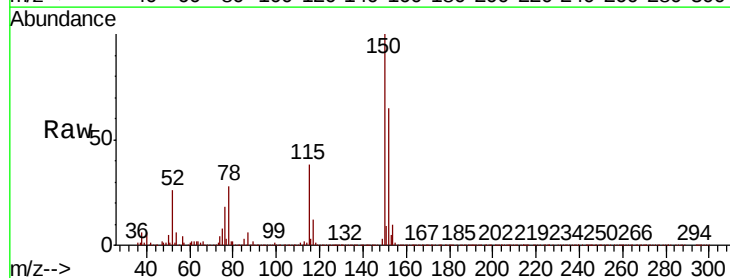
Instrument :
MSVOA_X
ClientSampleId :

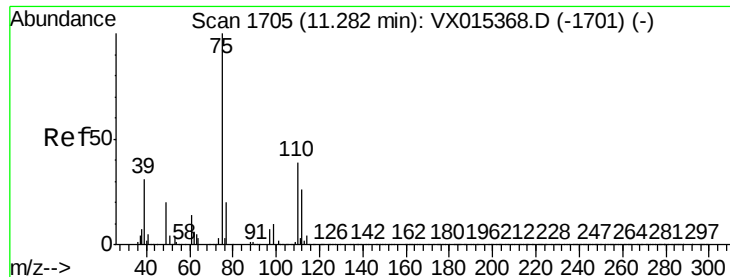
Tot Ion:117 Resp: 1756031
Ion Ratio Lower Upper
117 100
82 57.4 47.8 71.8
119 32.4 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015433.D
Acq: 30 Mar 2020 17:13

Tgt Ion:152 Resp: 960194
Ion Ratio Lower Upper
152 100
115 58.4 39.0 116.9
150 155.2 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 24.984 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

Instrument :

MSVOA_X

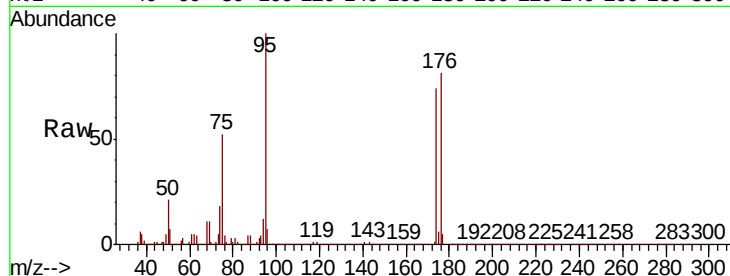
ClientSampleId :

Tot Ion: 75 Resp: 493334

Ion Ratio Lower Upper

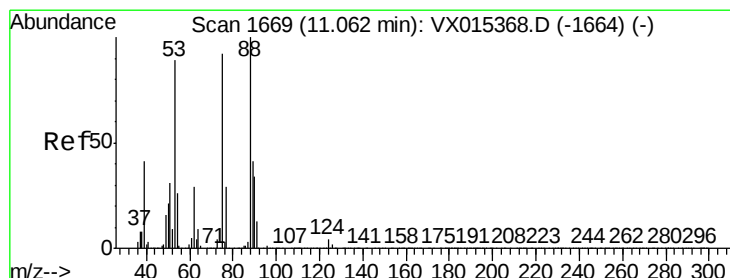
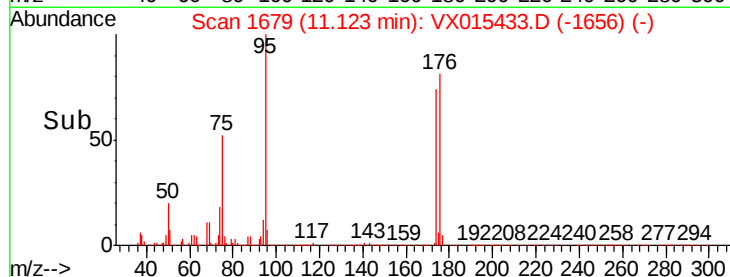
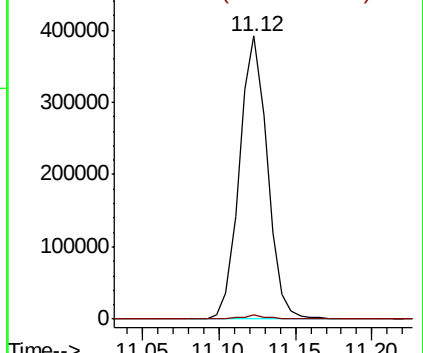
75 100

77 1.4 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: 59.949 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015433.D

Acq: 30 Mar 2020 17:13

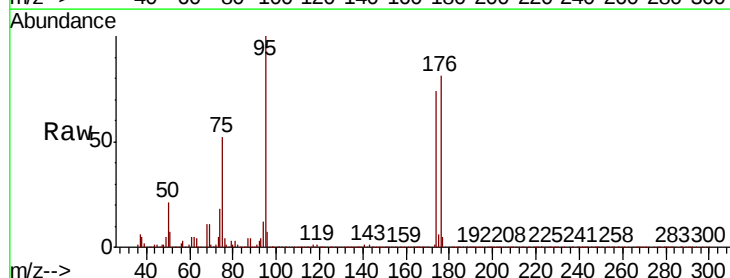
Tgt Ion: 75 Resp: 493334

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 1.1 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

