

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041720\
 Data File : VX015745.D
 Acq On : 17 Apr 2020 17:54
 Operator : JC/SP
 Sample : L2293-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 01:17:17 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	991009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1549778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1481360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	826754	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	597111	42.72	ug/l	0.00
Spiked Amount			Recovery	=	85.44%	
35) Dibromofluoromethane	5.47	113	467344	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
50) Toluene-d8	8.70	98	1850587	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.12	95	778436	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	

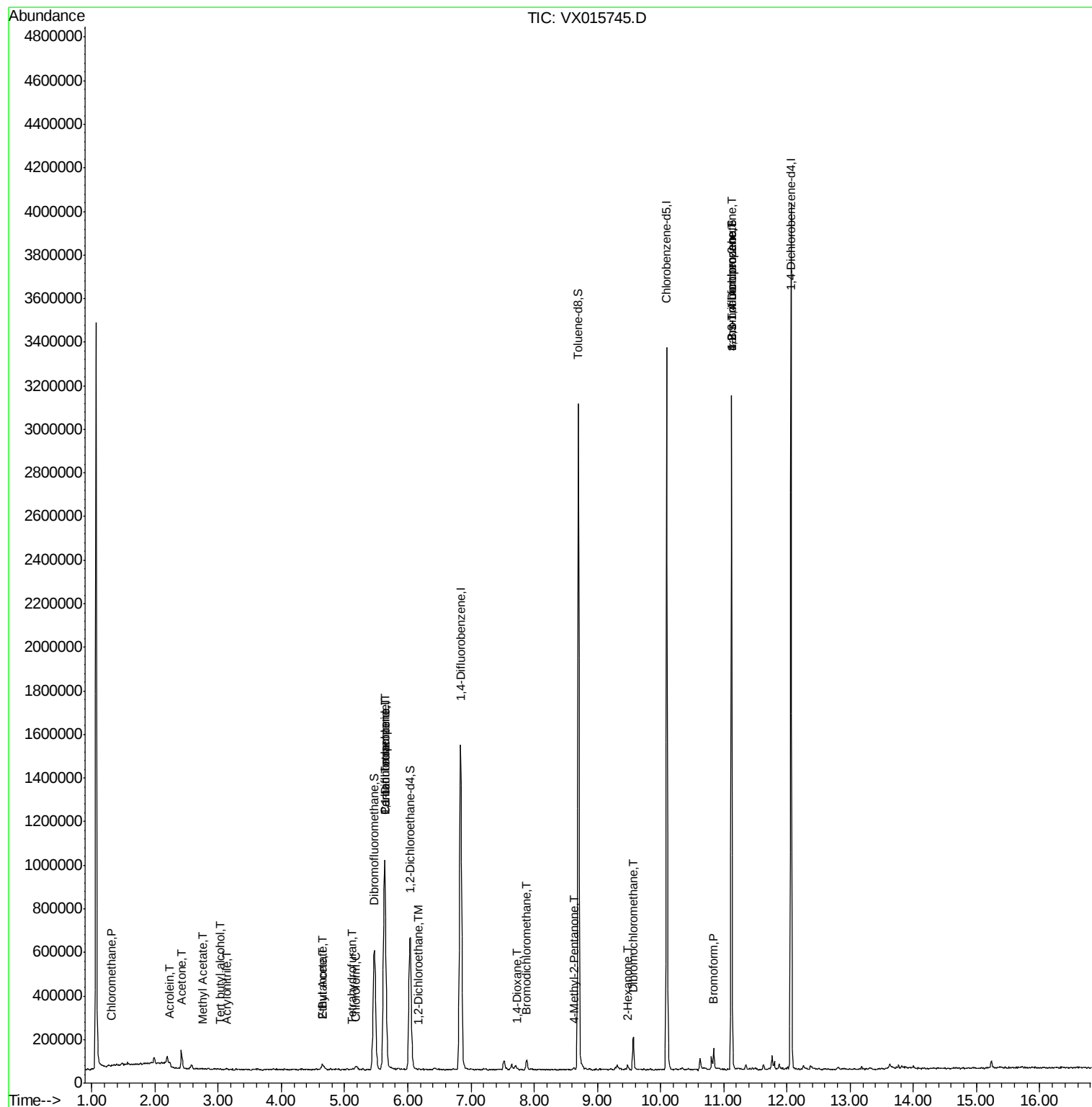
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3282	0.295	ug/l	94
5) Bromomethane	1.62	94	504	Below Cal	#	3
11) Tert butyl alcohol	3.03	59	938	0.280	ug/l #	73
13) Acrolein	2.24	56	765	0.401	ug/l #	14
15) Acrylonitrile	3.13	53	1375	0.216	ug/l #	34
16) Acetone	2.42	43	95312	15.872	ug/l	99
18) Methyl Acetate	2.75	43	4064	0.265	ug/l #	63
25) 2-Butanone	4.65	43	44249	4.582	ug/l #	84
29) Tetrahydrofuran	5.11	42	4176	0.673	ug/l #	65
30) Chloroform	5.19	83	20579	1.049	ug/l	100
36) 1,1-Dichloropropene	5.63	75	69908	4.896	ug/l #	52
37) Ethyl Acetate	4.65	43	44249	2.380	ug/l #	75
38) Carbon Tetrachloride	5.63	117	88411	5.716	ug/l #	15
42) 1,2-Dichloroethane	6.17	62	3376	0.201	ug/l #	76
47) Bromodichloromethane	7.89	83	32687	2.044	ug/l #	95
49) 1,4-Dioxane	7.73	88	485	1.658	ug/l #	20
51) 4-Methyl-2-Pentanone	8.62	43	4502	0.253	ug/l	92
59) 2-Hexanone	9.48	43	13982	1.041	ug/l	90
60) Dibromochloromethane	9.57	129	46453	3.659	ug/l	96
71) Bromoform	10.84	173	36208	3.370	ug/l #	98
76) 1,2,3-Trichloropropane	11.12	75	384508	22.616	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	384508	54.266	ug/l #	10

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

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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: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015745.D

Acq: 17 Apr 2020 17:54

Instrument :

MSVOA_X

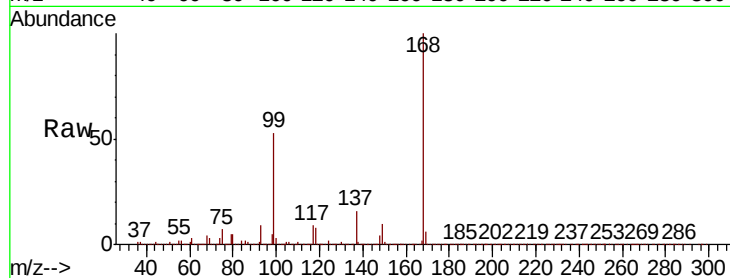
ClientSampleId :

Tot Ion:168 Resp: 991009

Ion Ratio Lower Upper

168 100

99 52.6 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

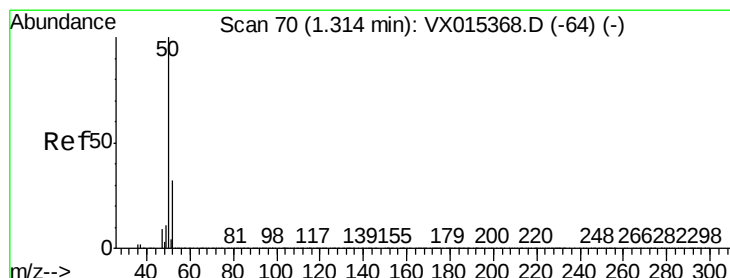
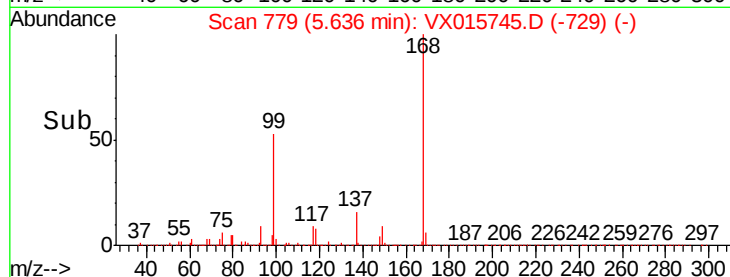
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.295 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015745.D

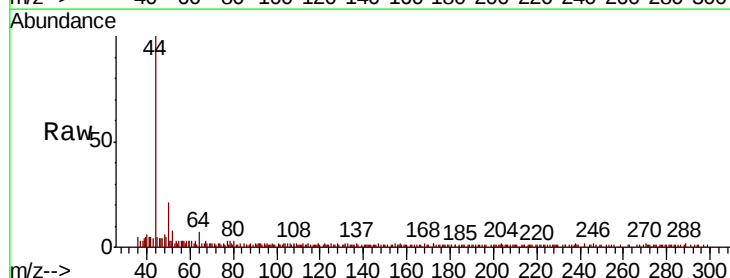
Acq: 17 Apr 2020 17:54

Tgt Ion: 50 Resp: 3282

Ion Ratio Lower Upper

50 100

52 28.2 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

3000

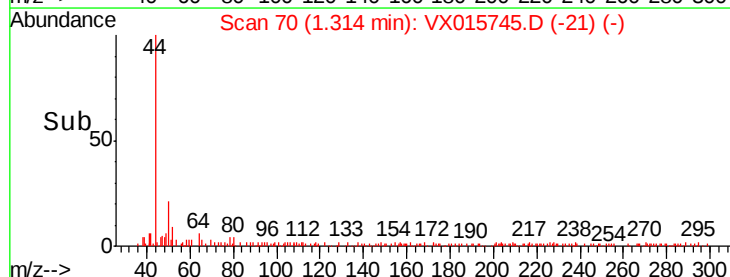
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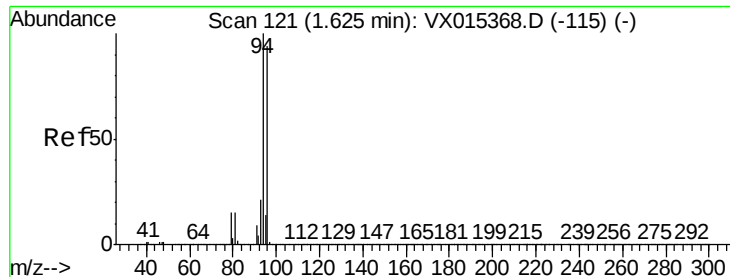
1000

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015745.D

Acq: 17 Apr 2020 17:54

Instrument :

MSVOA_X

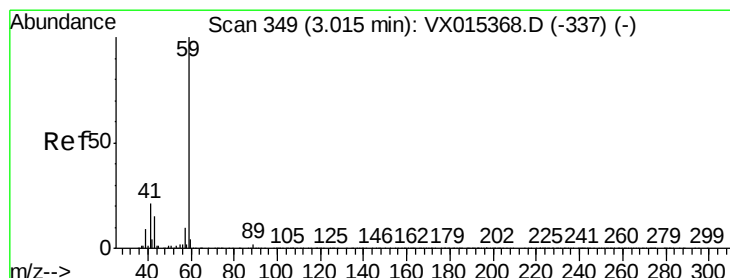
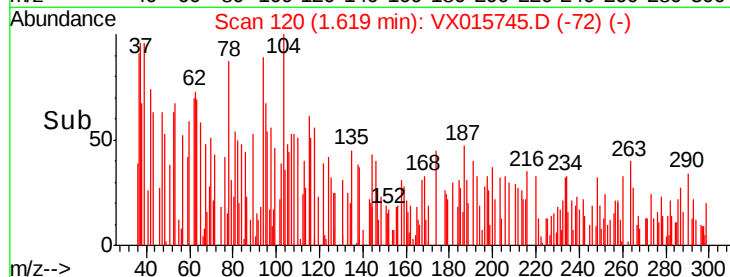
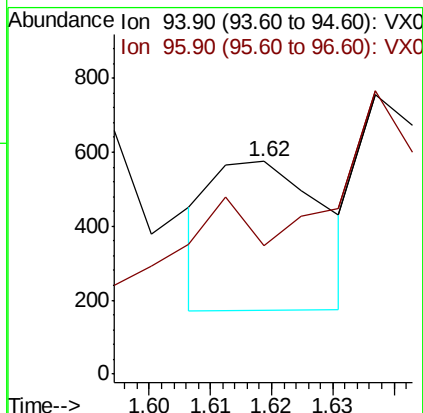
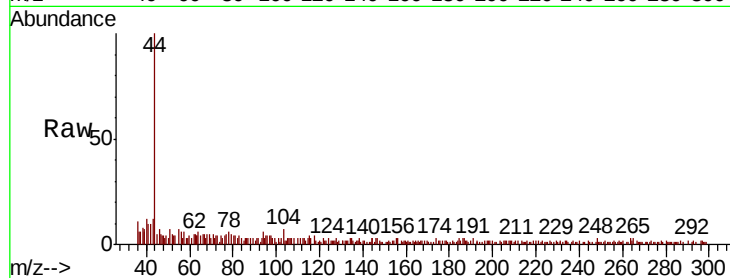
ClientSampled :

Tot Ion: 94 Resp: 504

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



#11

Tert butyl alcohol

Concen: 0.280 ug/l

RT: 3.03 min Scan# 351

Delta R.T. 0.01 min

Lab File: VX015745.D

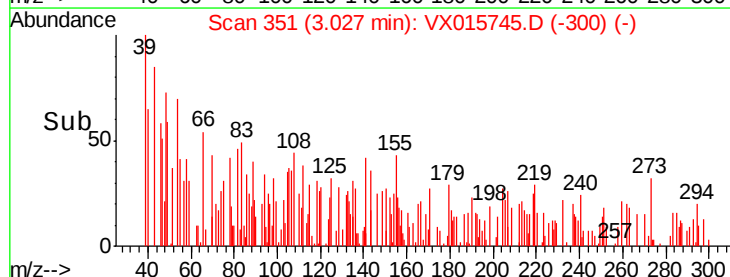
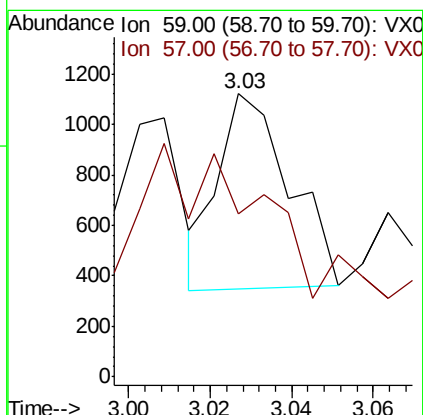
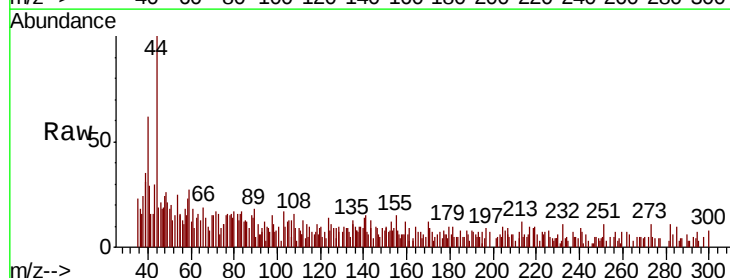
Acq: 17 Apr 2020 17:54

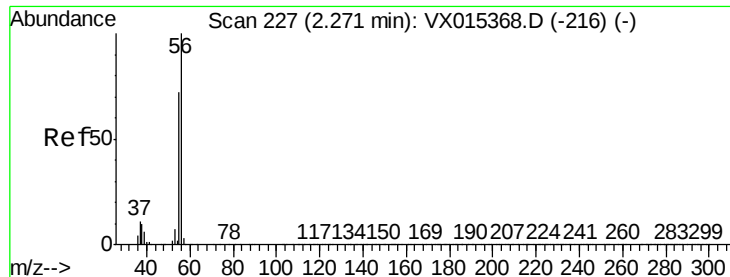
Tgt Ion: 59 Resp: 938

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

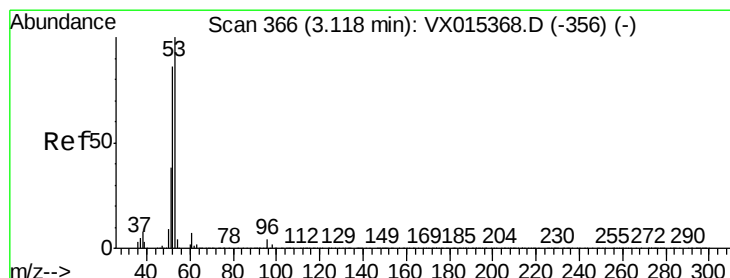
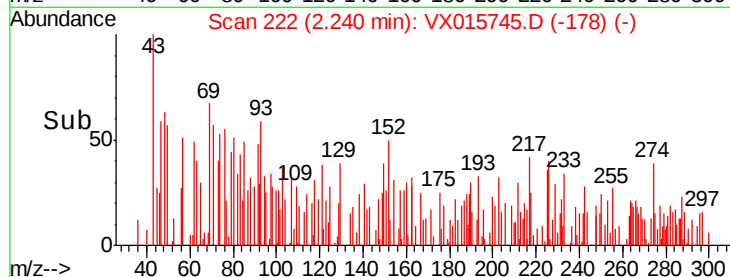
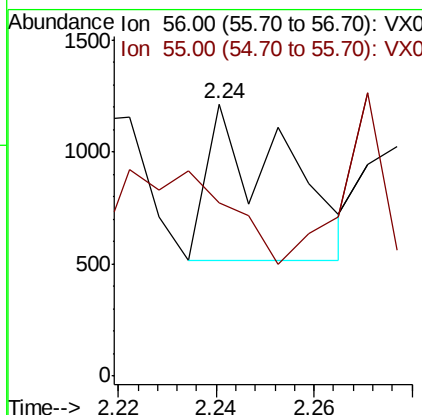
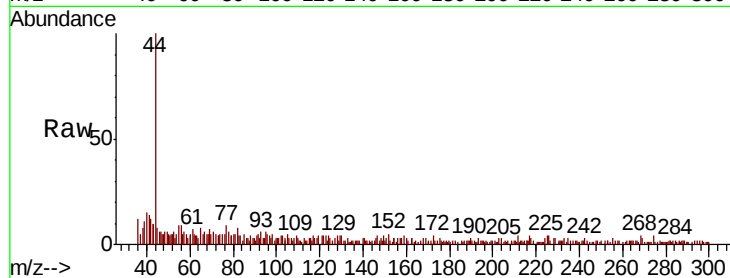




#13
Acrolein
Concen: 0.401 ug/l
RT: 2.24 min Scan# 222
Delta R.T. -0.03 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

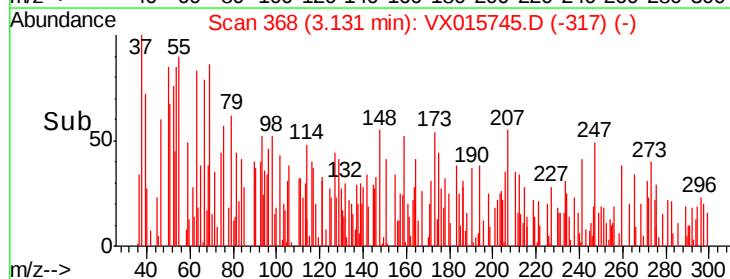
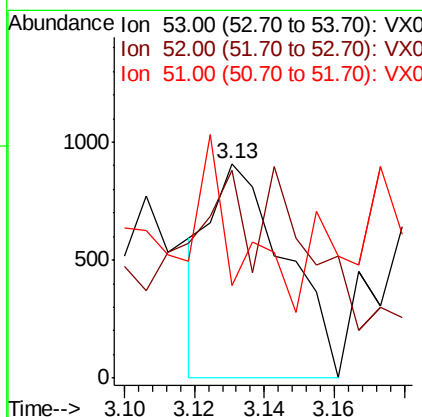
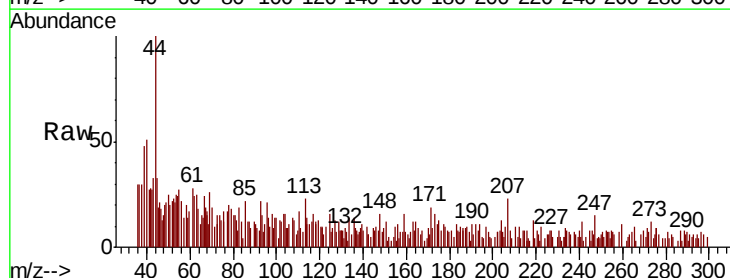
Instrument :
MSVOA_X
ClientSampled :

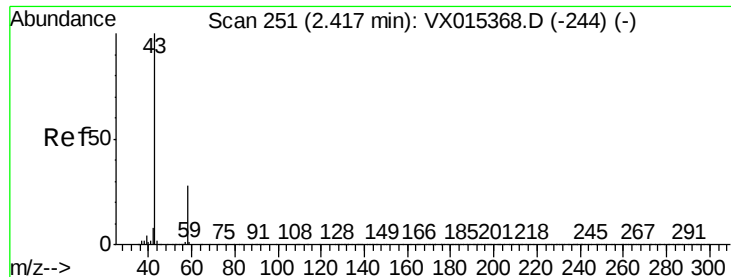
Tot Ion: 56 Resp: 765
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#15
Acrylonitrile
Concen: 0.216 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.01 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

Tgt Ion: 53 Resp: 1375
Ion Ratio Lower Upper
53 100
52 33.3 66.8 100.2#
51 90.8 29.5 44.3#

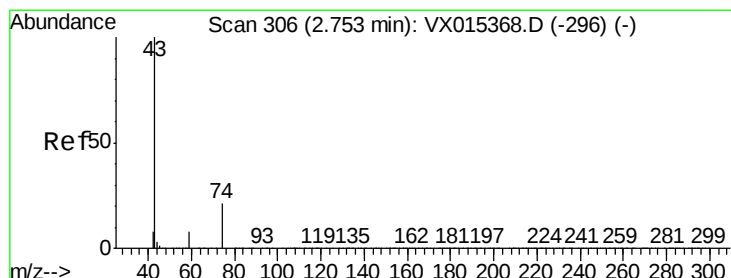
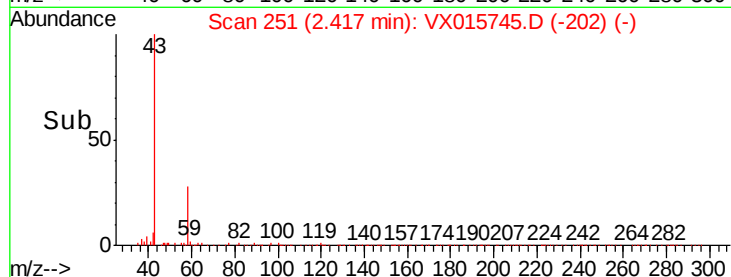
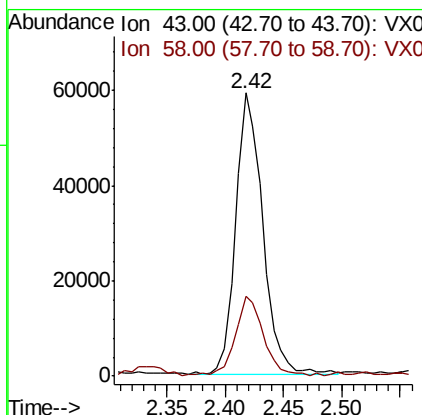
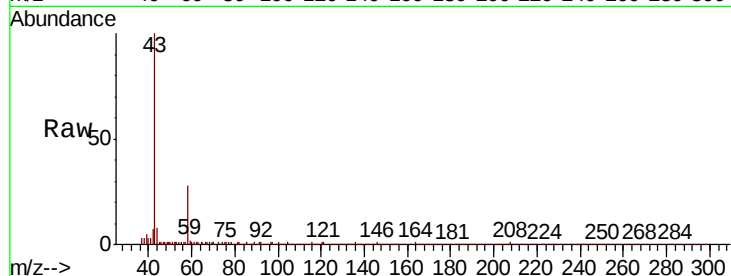




#16
Acetone
Concen: 15.872 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

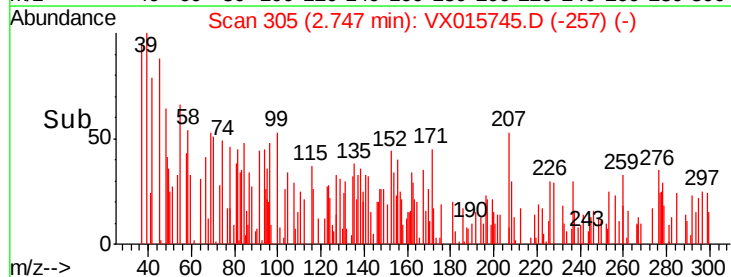
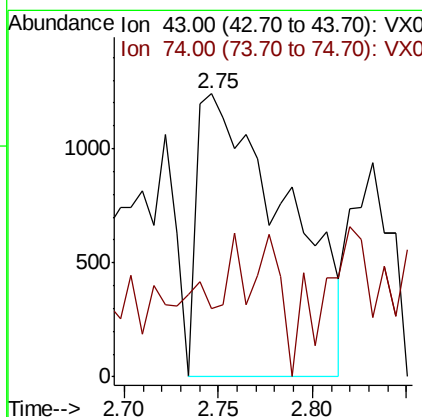
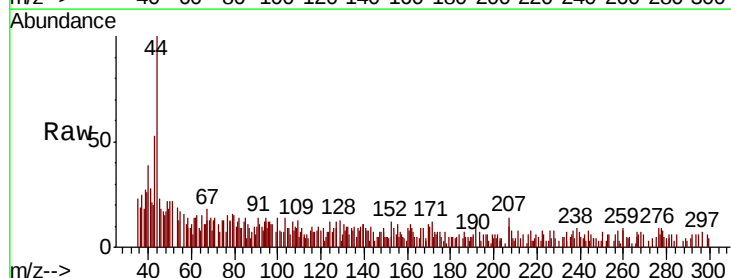
Instrument :
MSVOA_X
ClientSampleId :

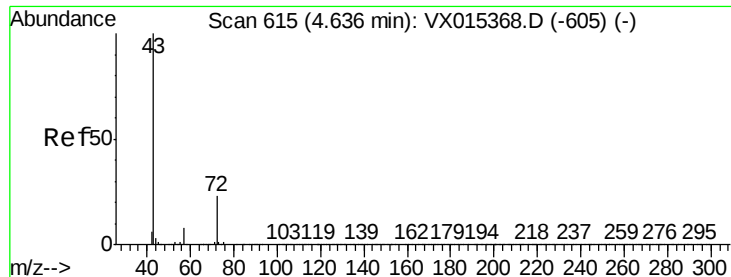
Tot Ion: 43 Resp: 95312
Ion Ratio Lower Upper
43 100
58 27.0 22.1 33.1



#18
Methyl Acetate
Concen: 0.265 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

Tgt Ion: 43 Resp: 4064
Ion Ratio Lower Upper
43 100
74 3.3 16.5 24.7#

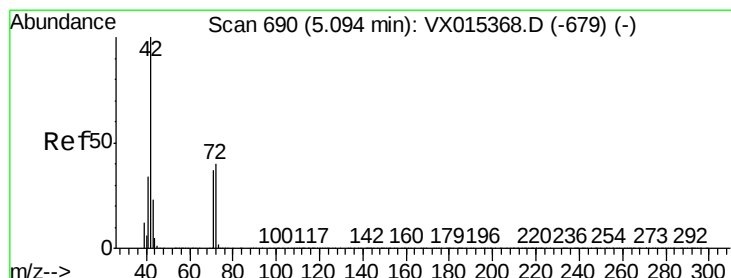
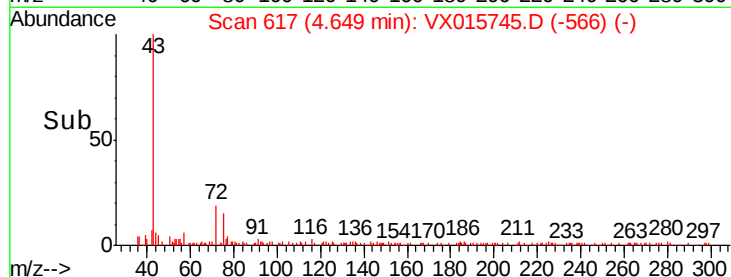
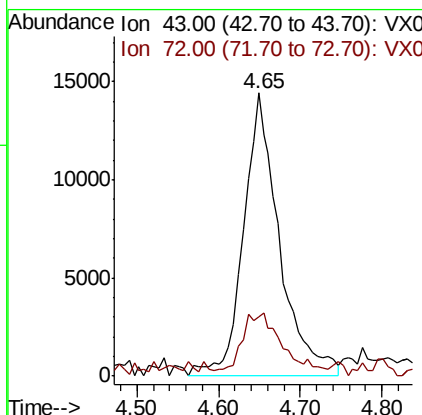
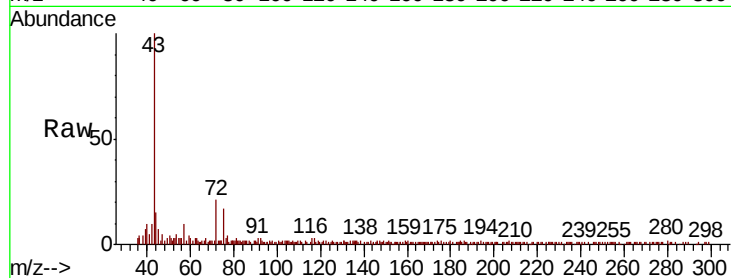




#25
2-Butanone
Concen: 4.582 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

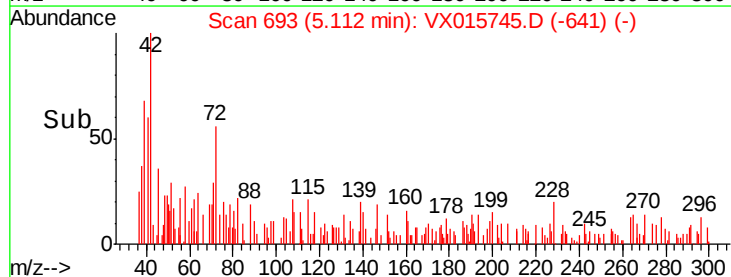
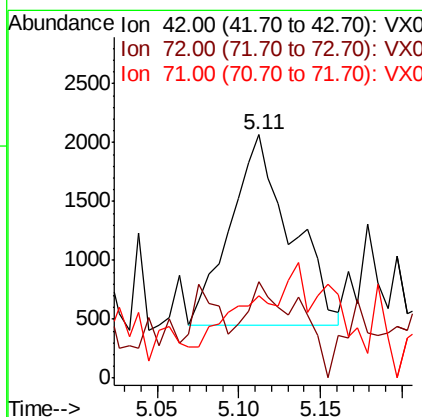
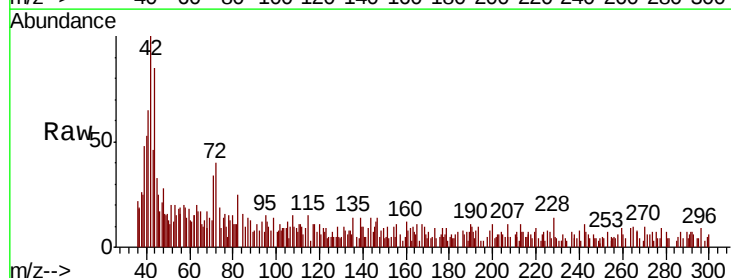
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MSVOA_X
ClientSampleId :

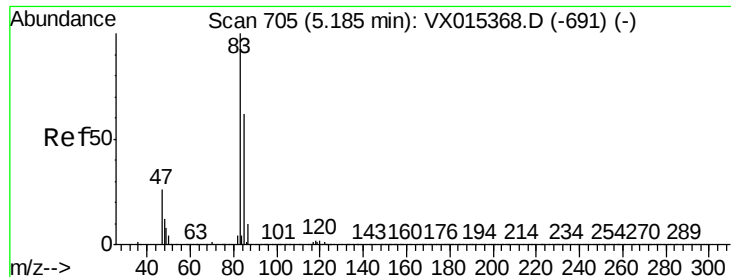
Tot Ion: 43 Resp: 44249
Ion Ratio Lower Upper
43 100
72 15.8 19.0 28.4#



#29
Tetrahydrofuran
Concen: 0.673 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.02 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

Tgt Ion: 42 Resp: 4176
Ion Ratio Lower Upper
42 100
72 45.9 31.7 47.5
71 0.0 29.6 44.4#

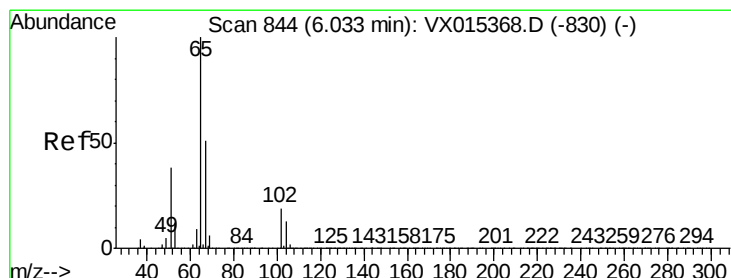
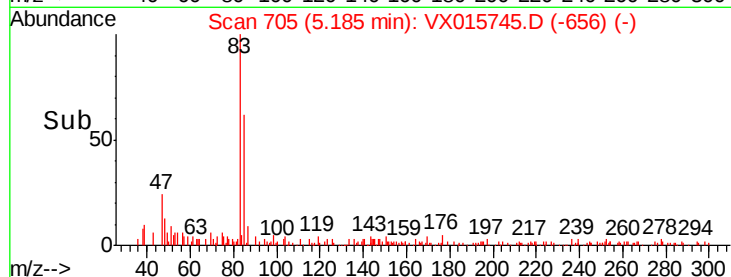
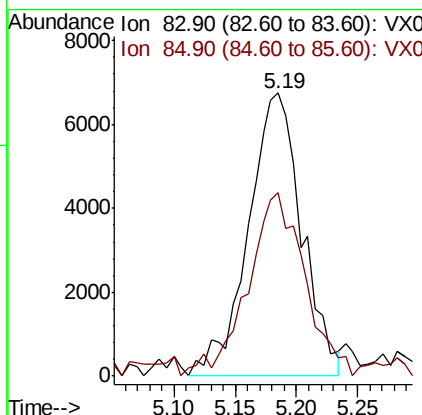
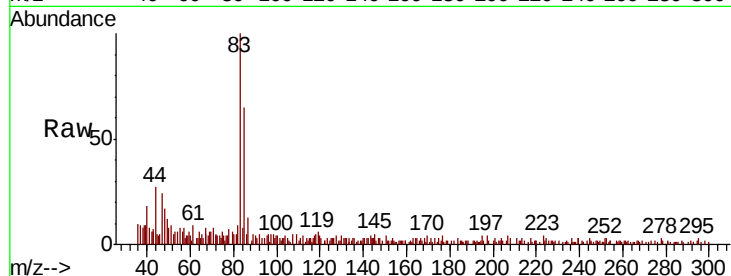




#30
Chloroform
Concen: 1.049 ug/l
RT: 5.19 min Scan# 705
Delta R.T. -0.00 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

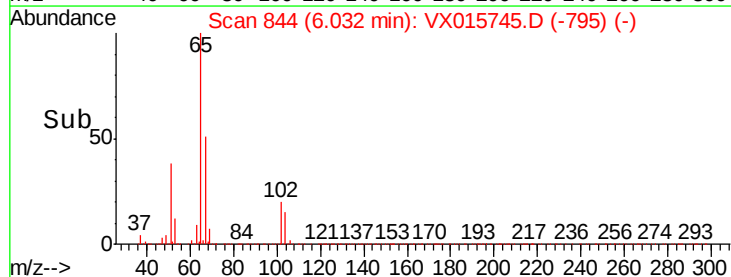
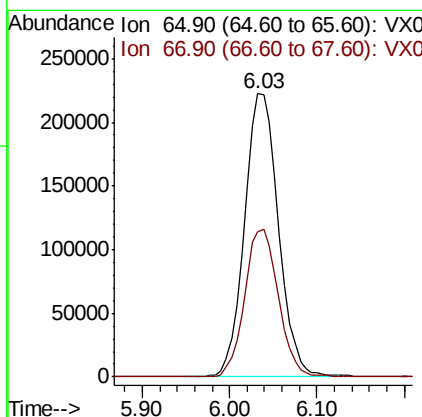
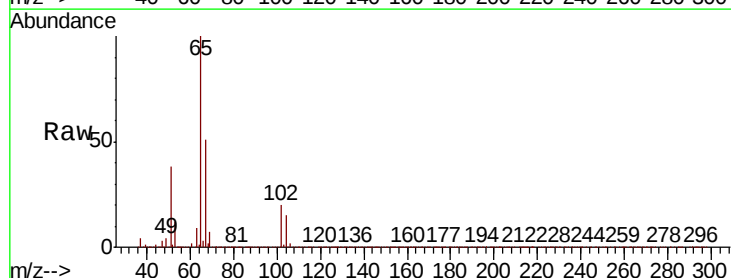
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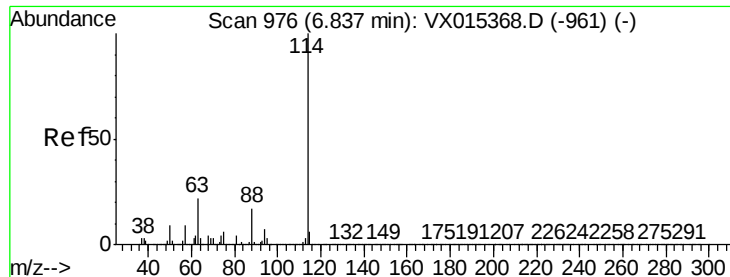
Tot Ion: 83 Resp: 20579
Ion Ratio Lower Upper
83 100
85 62.0 49.5 74.3



#33
1,2-Dichloroethane-d4
Concen: 42.721 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.00 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

Tgt Ion: 65 Resp: 597111
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.6

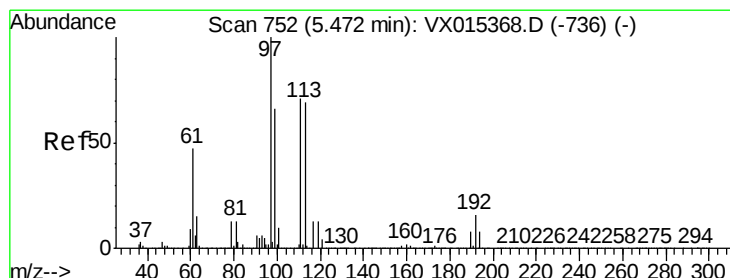
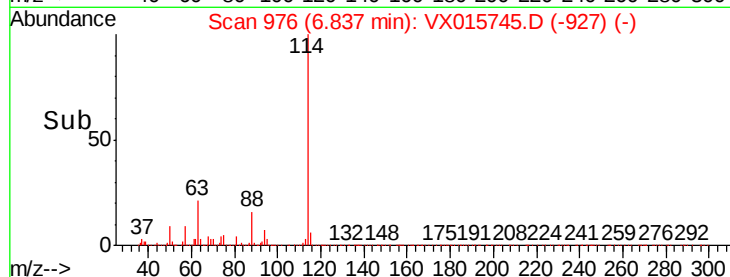
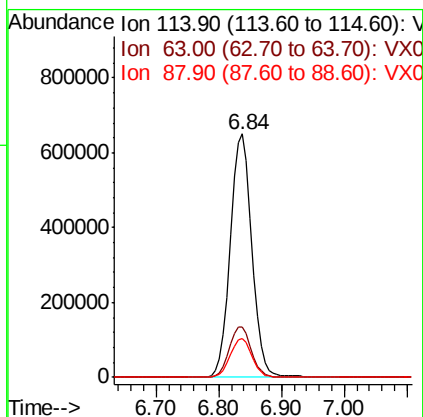
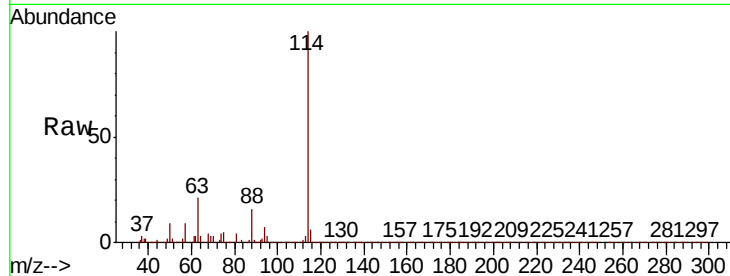




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015745.D
 Acq: 17 Apr 2020 17:54

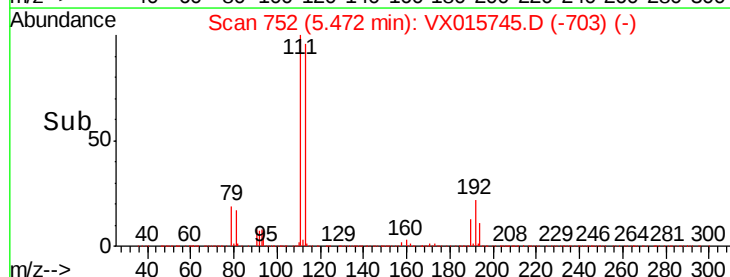
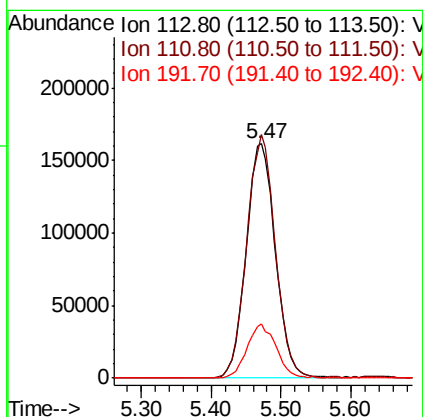
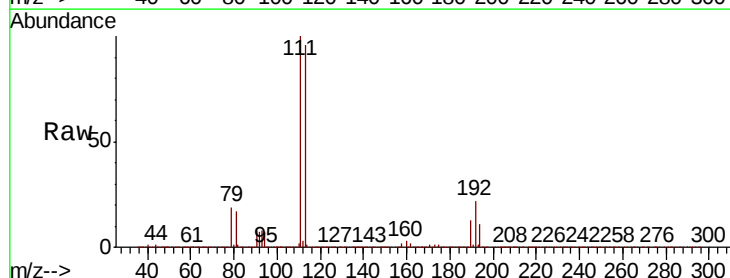
Instrument :
 MSVOA_X
 ClientSampleId :

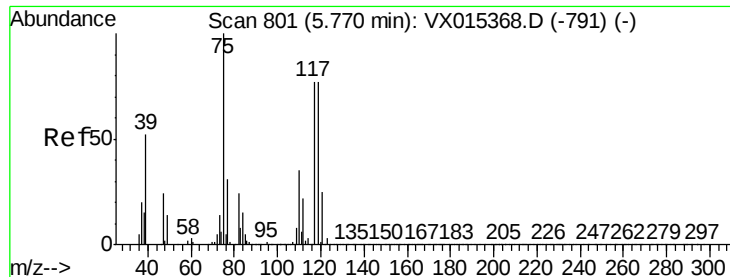
Tot Ion:114 Resp: 1549778
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 44.2
 88 15.8 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 47.175 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015745.D
 Acq: 17 Apr 2020 17:54

Tgt Ion:113 Resp: 467344
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.5 122.3
 192 22.6 17.8 26.6





#36

1,1-Dichloropropene

Concen: 4.896 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015745.D

Acq: 17 Apr 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

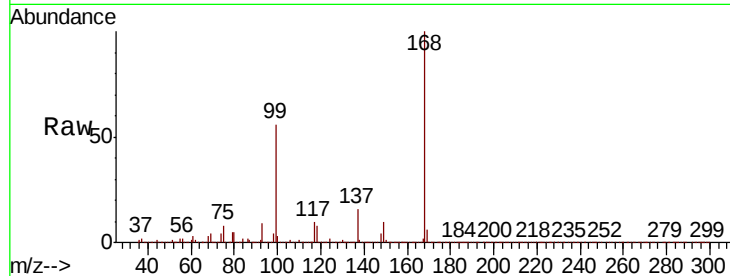
Tot Ion: 75 Resp: 69908

Ion Ratio Lower Upper

75 100

110 10.7 17.1 51.3#

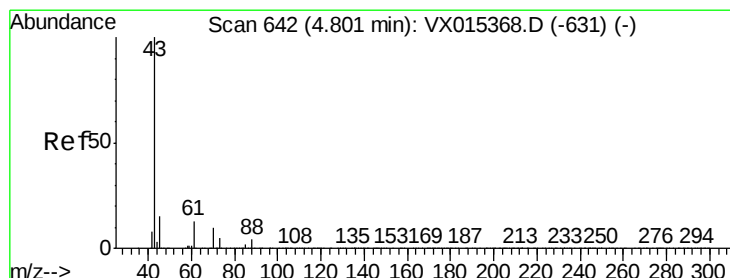
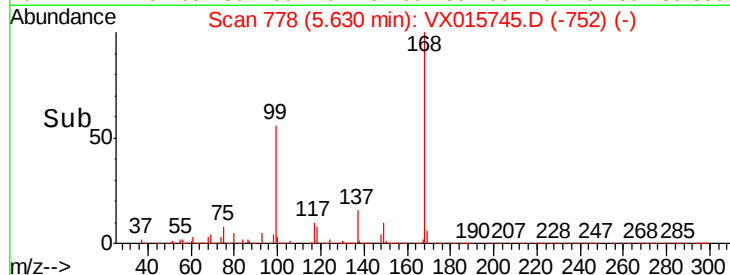
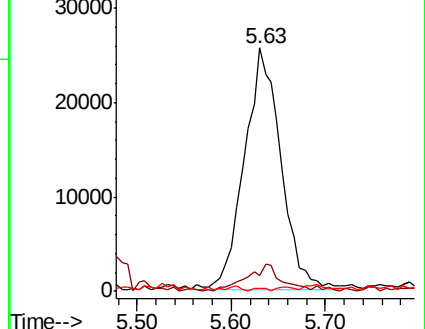
77 0.5 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 2.380 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.15 min

Lab File: VX015745.D

Acq: 17 Apr 2020 17:54

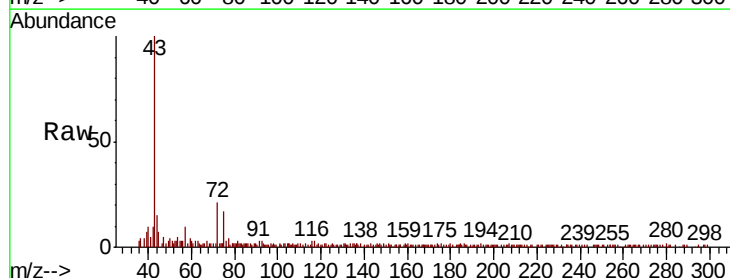
Tgt Ion: 43 Resp: 44249

Ion Ratio Lower Upper

43 100

61 2.9 9.9 14.9#

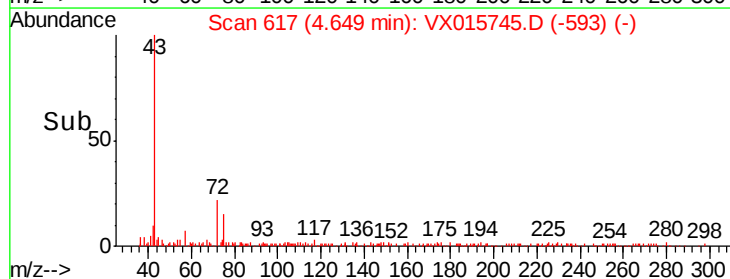
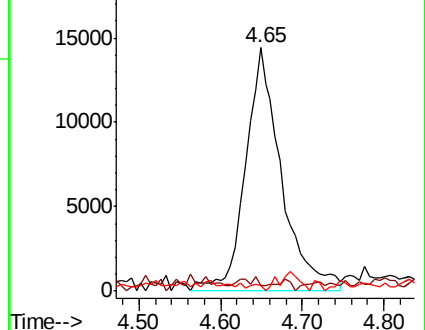
70 0.9 8.1 12.1#

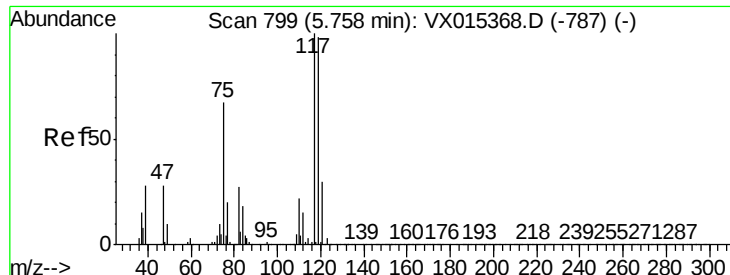


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.716 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015745.D

Acq: 17 Apr 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

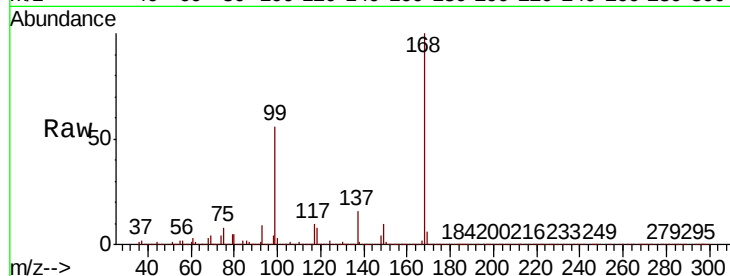
Tot Ion:117 Resp: 88411

Ion Ratio Lower Upper

117 100

119 4.1 78.0 117.0#

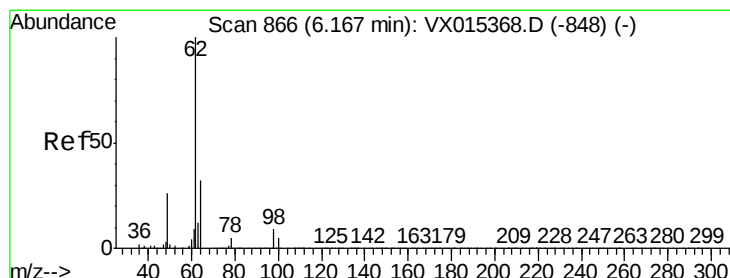
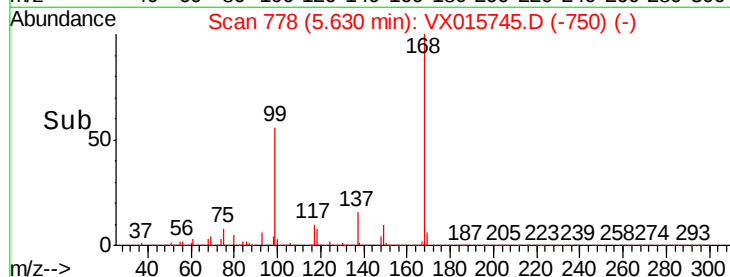
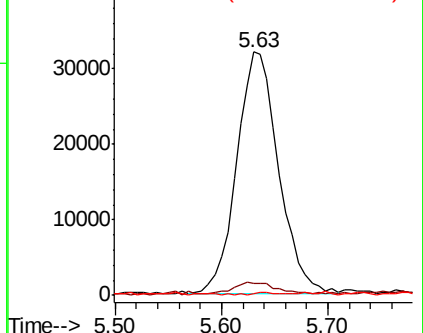
121 0.6 23.8 35.8#



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



#42

1,2-Dichloroethane

Concen: 0.201 ug/l

RT: 6.17 min Scan# 866

Delta R.T. -0.00 min

Lab File: VX015745.D

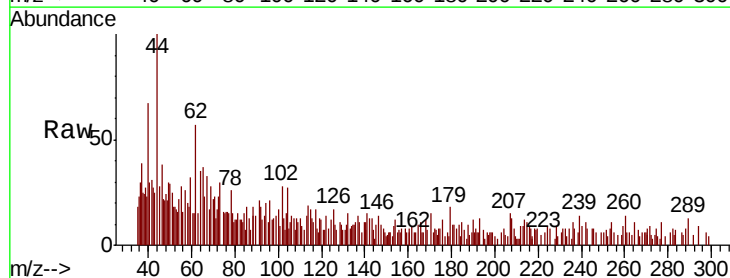
Acq: 17 Apr 2020 17:54

Tgt Ion: 62 Resp: 3376

Ion Ratio Lower Upper

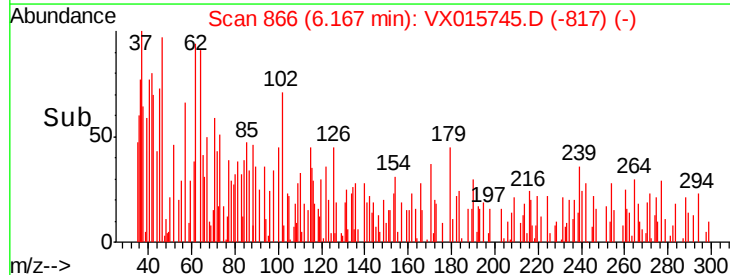
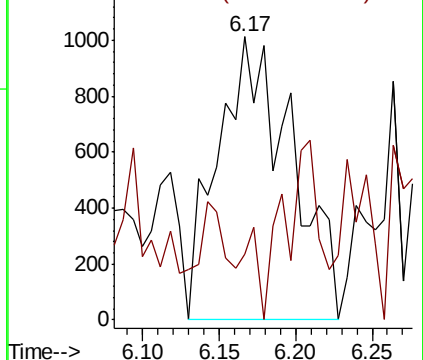
62 100

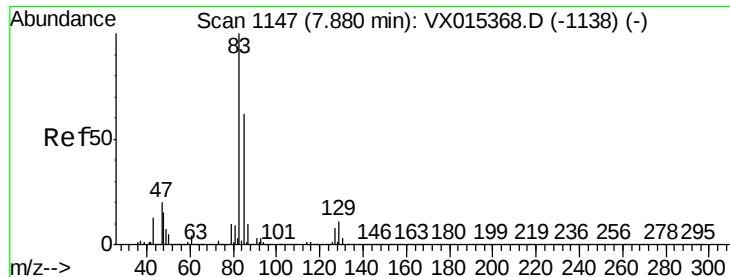
98 0.0 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#47

Bromodichloromethane

Concen: 2.044 ug/l

RT: 7.89 min Scan# 1148

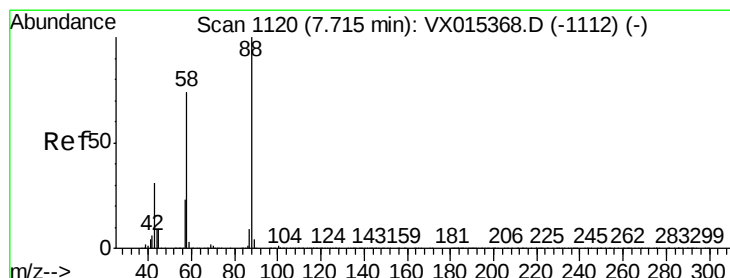
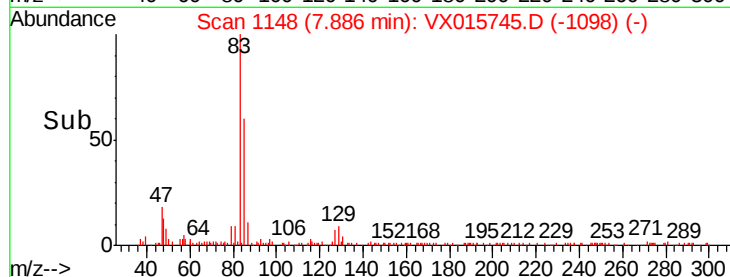
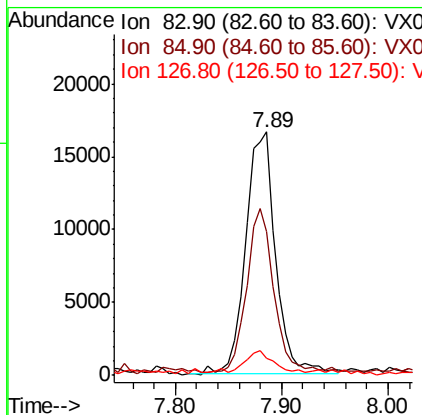
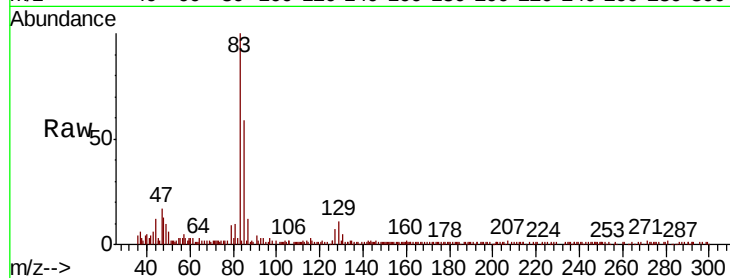
Delta R.T. 0.01 min

Lab File: VX015745.D

Acq: 17 Apr 2020 17:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	83	Resp:	32687
Ion	Ratio	Lower	Upper
83	100		
85	58.1	49.7	74.5
127	6.2	6.7	10.1#



#49

1,4-Dioxane

Concen: 1.658 ug/l

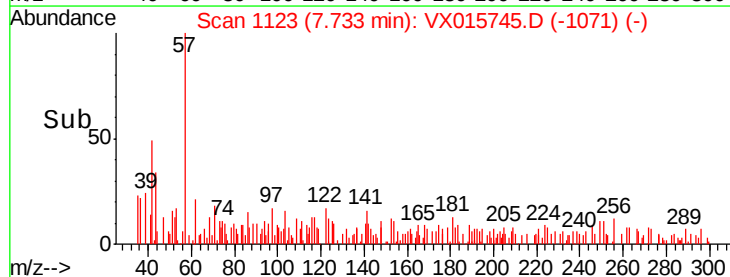
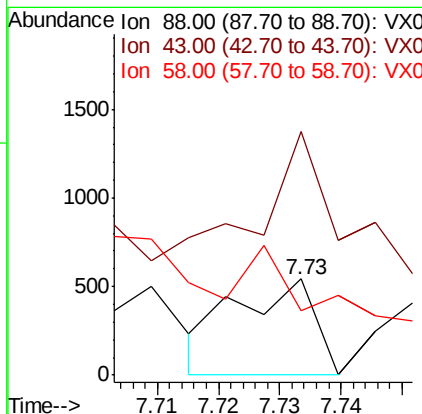
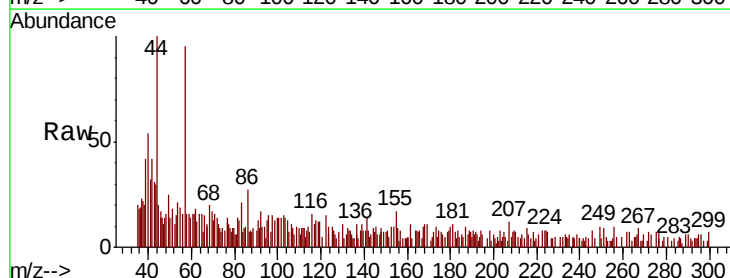
RT: 7.73 min Scan# 1123

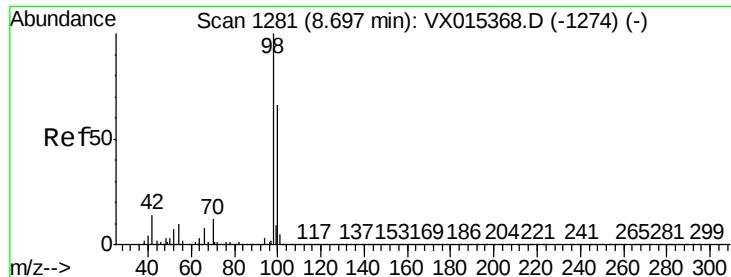
Delta R.T. 0.02 min

Lab File: VX015745.D

Acq: 17 Apr 2020 17:54

Tgt Ion:	88	Resp:	485
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	0.0	60.6	90.8#

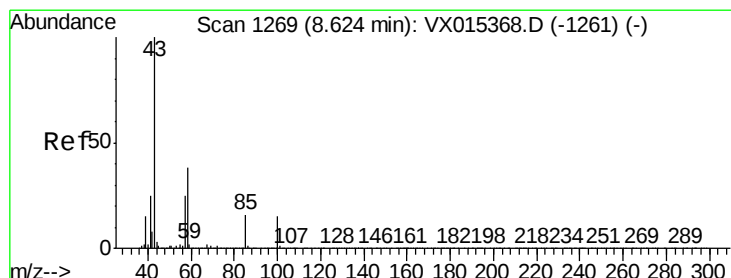
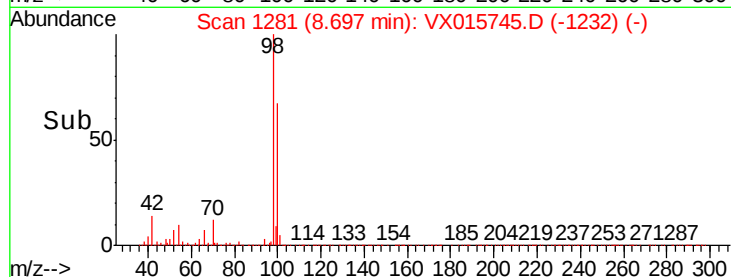
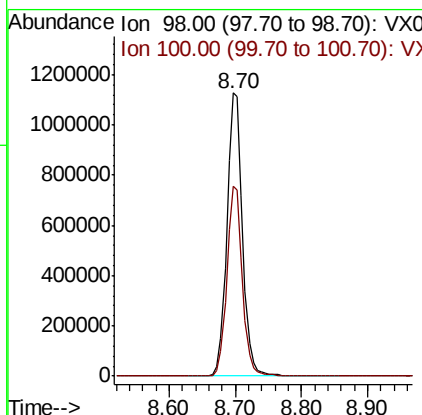
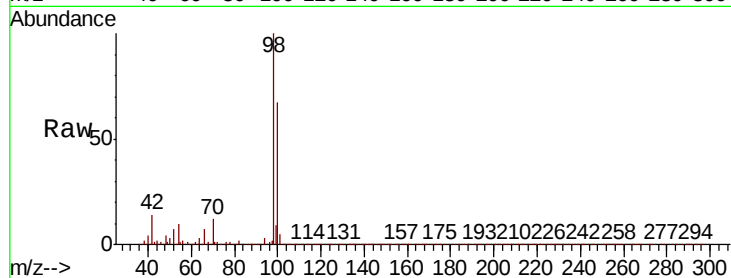




#50
Toluene-d8
Concen: 50.738 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

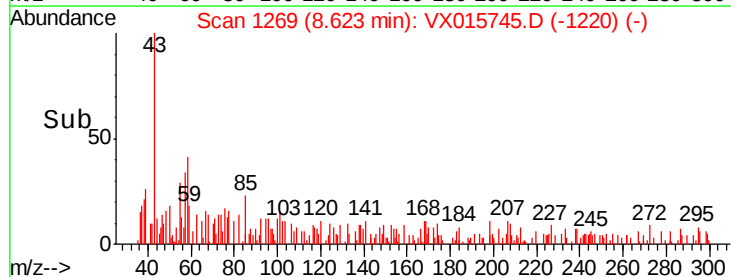
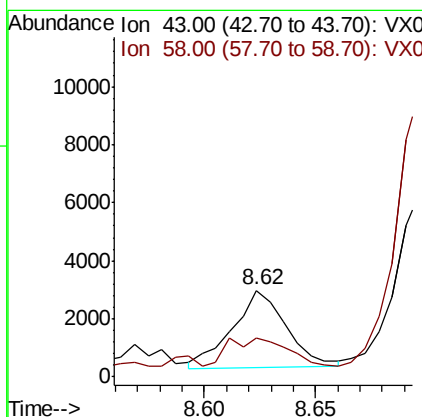
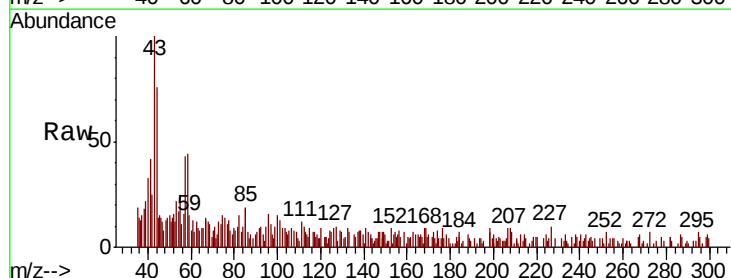
Instrument :
MSVOA_X
ClientSampleId :

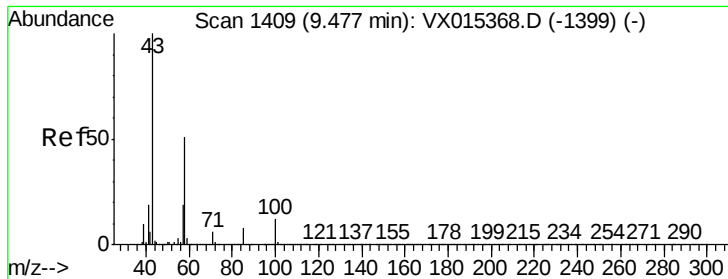
Tot Ion: 98 Resp: 1850587
Ion Ratio Lower Upper
98 100
100 66.8 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.253 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

Tgt Ion: 43 Resp: 4502
Ion Ratio Lower Upper
43 100
58 42.1 29.7 44.5

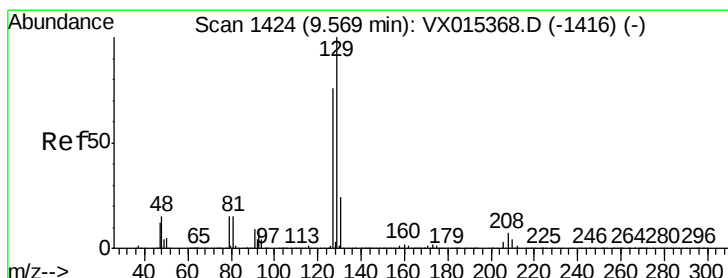
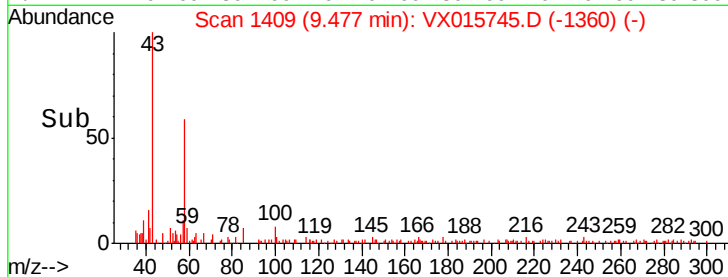
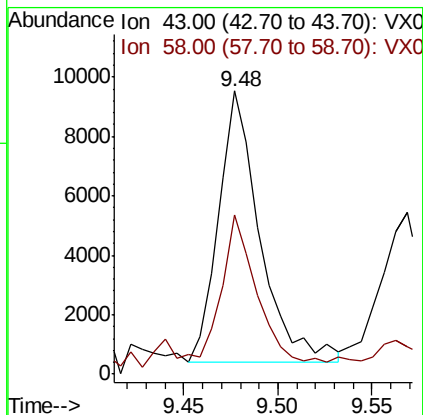
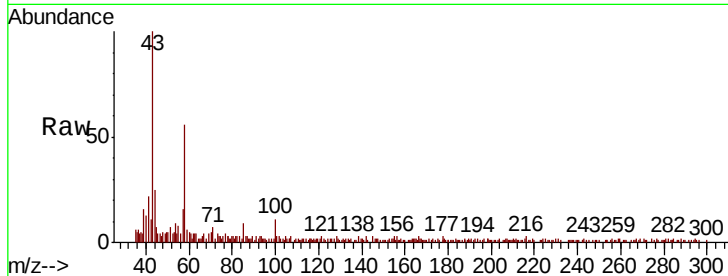




#59
2-Hexanone
Concen: 1.041 ug/l
RT: 9.48 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

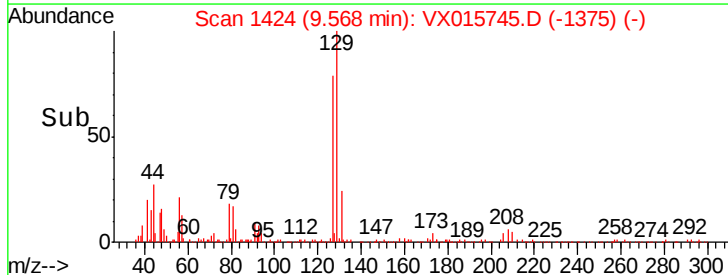
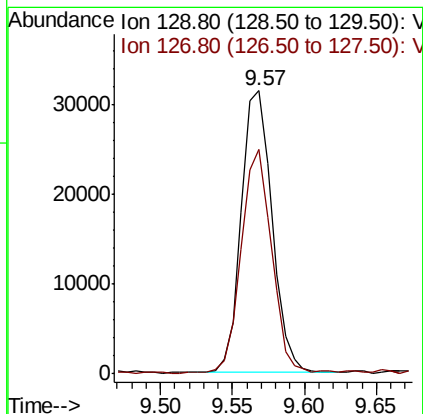
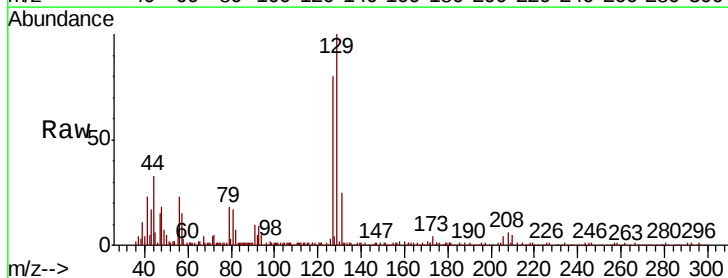
Instrument :
MSVOA_X
ClientSampleId :

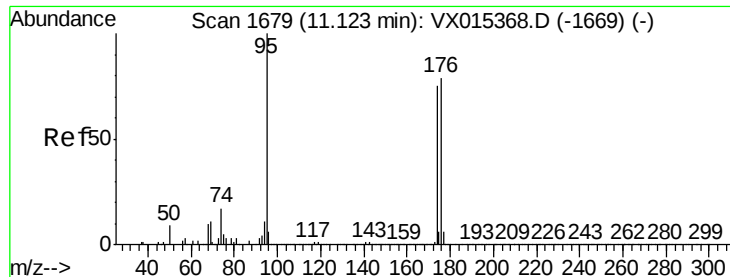
Tot Ion: 43 Resp: 13982
Ion Ratio Lower Upper
43 100
58 43.9 25.6 76.6



#60
Dibromochloromethane
Concen: 3.659 ug/l
RT: 9.57 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

Tgt Ion:129 Resp: 46453
Ion Ratio Lower Upper
129 100
127 80.0 38.2 114.6





#62

4-Bromofluorobenzene

Concen: 52.516 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015745.D

Acq: 17 Apr 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

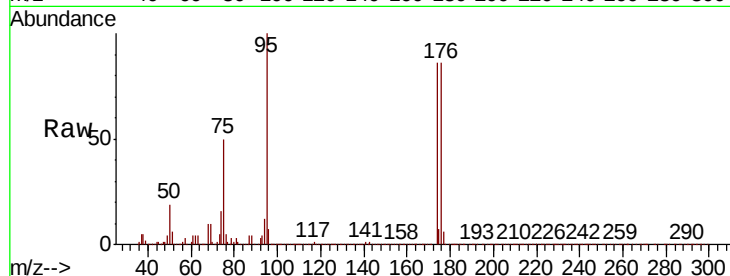
Tot Ion: 95 Resp: 778436

Ion Ratio Lower Upper

95 100

174 86.4 0.0 158.6

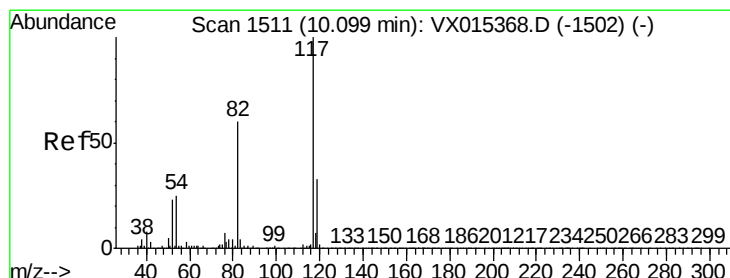
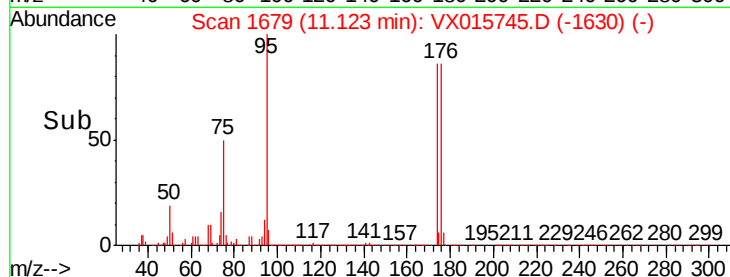
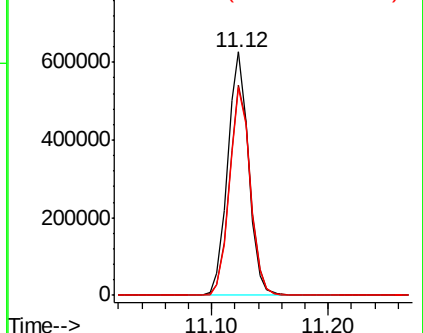
176 84.6 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015745.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015745.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015745.D (-1669) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015745.D

Acq: 17 Apr 2020 17:54

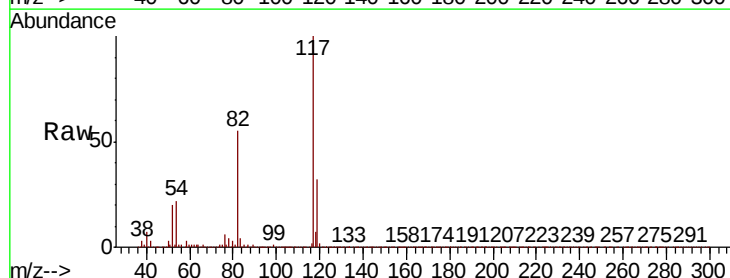
Tgt Ion: 117 Resp: 1481360

Ion Ratio Lower Upper

117 100

82 55.0 47.8 71.8

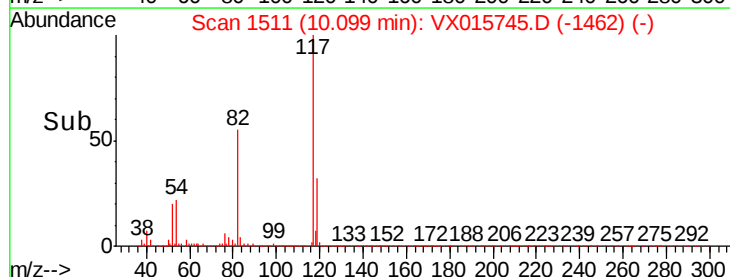
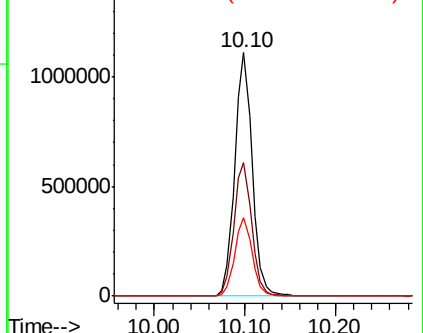
119 32.0 26.8 40.2

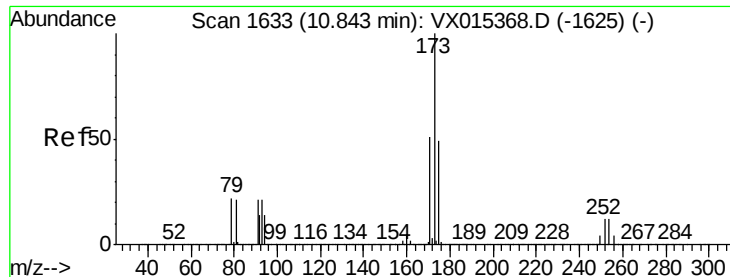


Abundance Ion 116.90 (116.60 to 117.60): VX015745.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015745.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015745.D (-1462) (-)

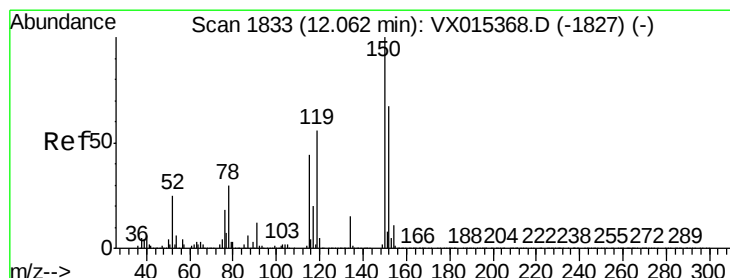
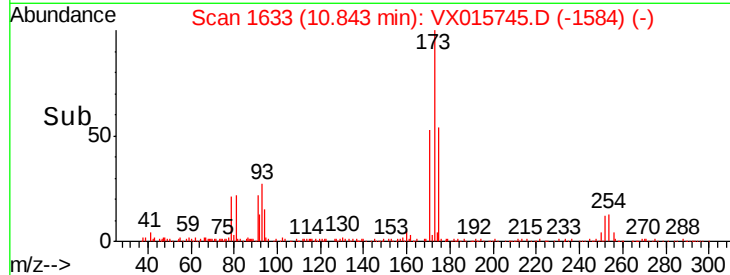
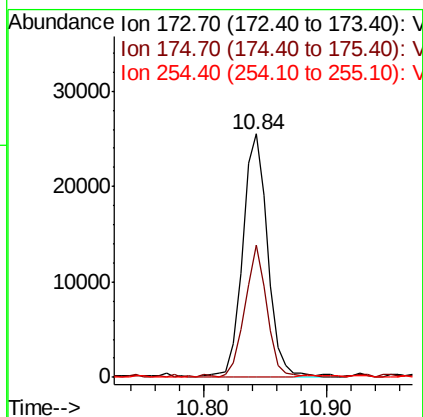
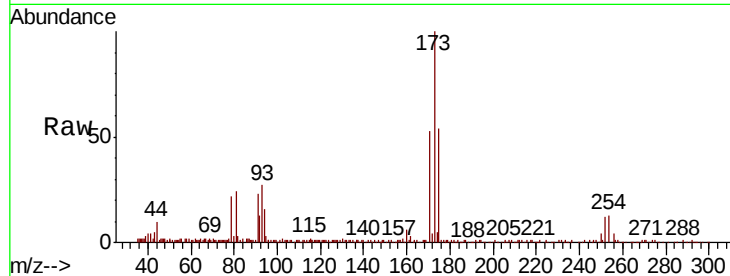




#71
Bromoform
Concen: 3.370 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

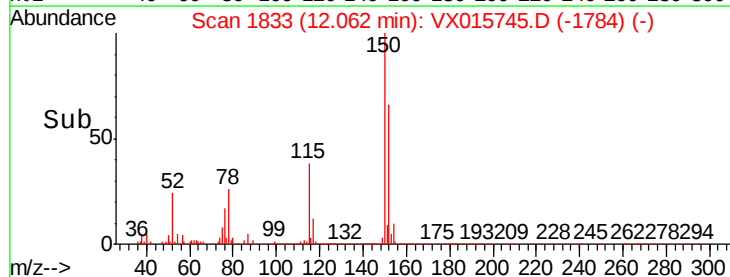
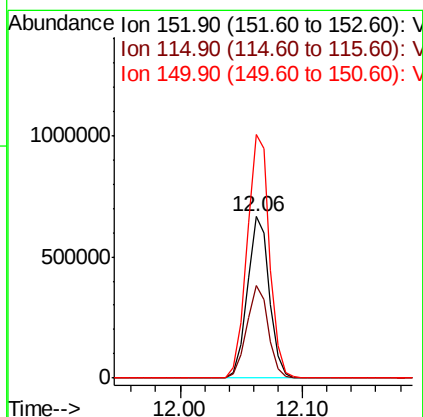
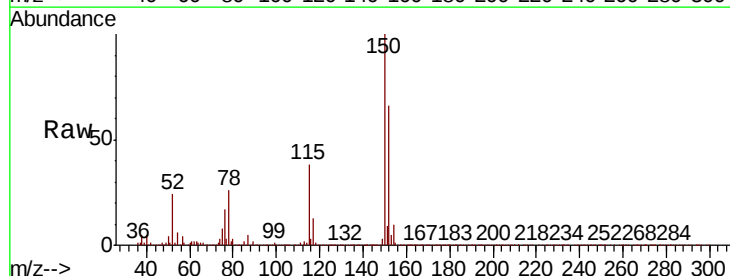
Instrument :
MSVOA_X
ClientSampleId :

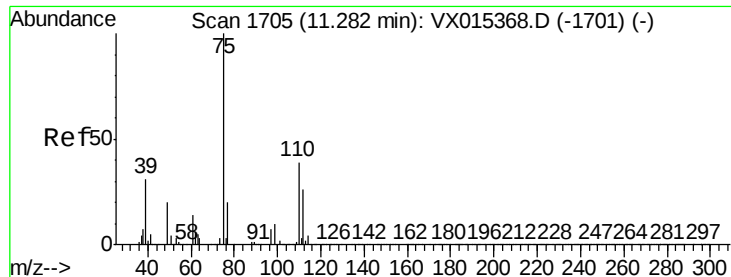
Tot Ion:173 Resp: 36208
Ion Ratio Lower Upper
173 100
175 49.0 23.9 71.7
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015745.D
Acq: 17 Apr 2020 17:54

Tgt Ion:152 Resp: 826754
Ion Ratio Lower Upper
152 100
115 56.6 39.0 116.9
150 153.7 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 22.616 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015745.D

Acq: 17 Apr 2020 17:54

Instrument :

MSVOA_X

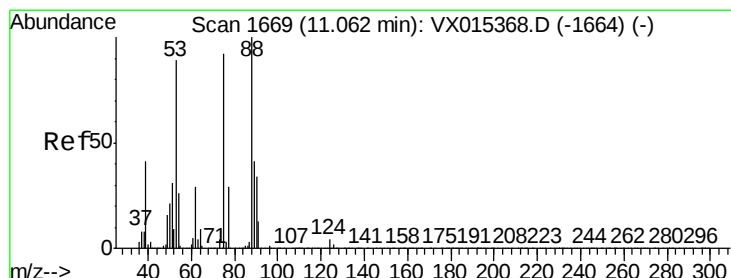
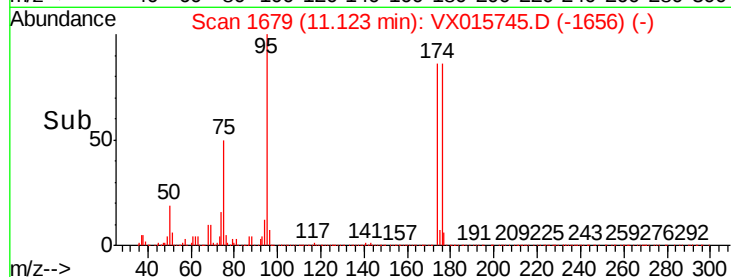
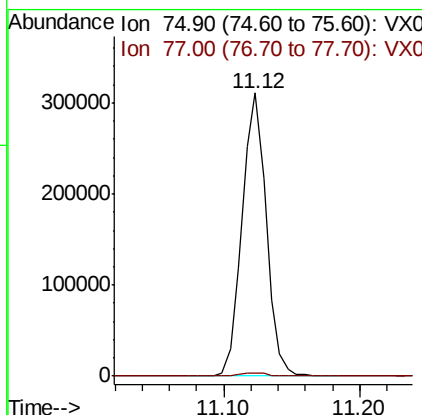
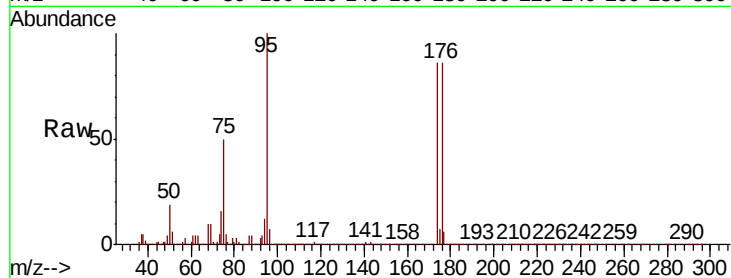
ClientSampleId :

Tot Ion: 75 Resp: 384508

Ion Ratio Lower Upper

75 100

77 1.5 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.266 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015745.D

Acq: 17 Apr 2020 17:54

Tgt Ion: 75 Resp: 384508

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#

