

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040920\
 Data File : VX015585.D
 Acq On : 09 Apr 2020 10:51
 Operator : JC/SP
 Sample : VX0409MBL01
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 09 15:23:39 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	1103131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1740605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1615826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	844086	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	703119	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
35) Dibromofluoromethane	5.47	113	541734	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	8.70	98	2054379	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.12	95	838687	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds

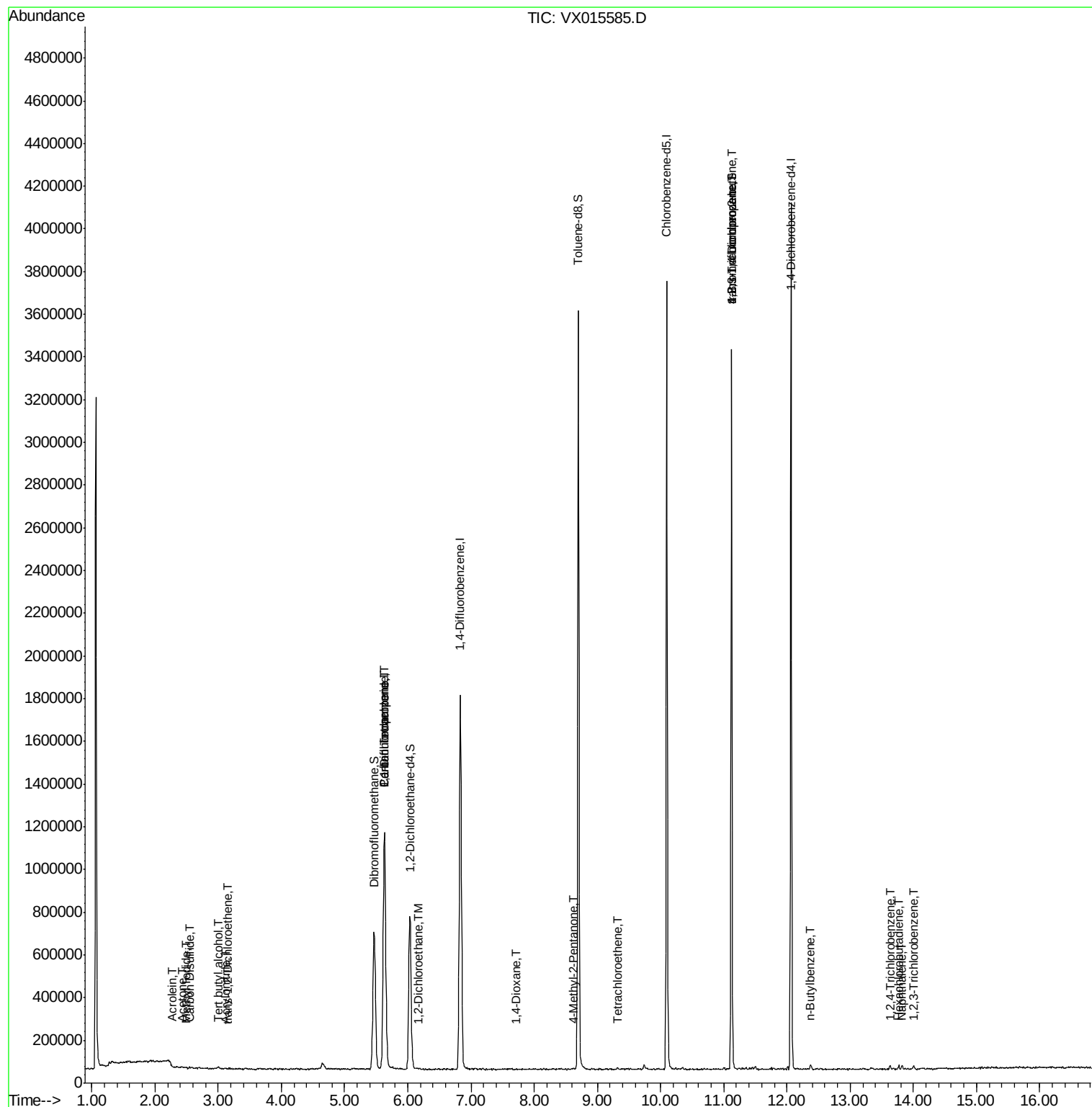
					Qvalue	
5) Bromomethane	1.64	94	1738	Below Cal		84
10) Methyl Iodide	2.50	142	3285	0.245 ug/l #		39
11) Tert butyl alcohol	3.00	59	7979	2.143 ug/l #		84
13) Acrolein	2.28	56	1157	0.545 ug/l #		74
15) Acrylonitrile	3.12	53	2271	0.320 ug/l #		66
16) Acetone	2.43	43	4014	0.601 ug/l #		75
17) Carbon Disulfide	2.55	76	7320	0.230 ug/l		99
21) trans-1,2-Dichloroethene	3.15	96	2508	0.217 ug/l #		66
36) 1,1-Dichloropropene	5.63	75	81991	5.112 ug/l #		53
38) Carbon Tetrachloride	5.63	117	104754	6.031 ug/l #		15
42) 1,2-Dichloroethane	6.16	62	3992	0.212 ug/l		89
49) 1,4-Dioxane	7.71	88	890	2.710 ug/l #		29
51) 4-Methyl-2-Pentanone	8.62	43	4819	0.241 ug/l #		70
64) Tetrachloroethene	9.32	164	2559	0.210 ug/l #		61
76) 1,2,3-Trichloropropane	11.12	75	438283	25.250 ug/l #		35
81) trans-1,4-Dichloro-2-buten	11.12	75	438283	60.586 ug/l #		10
89) n-Butylbenzene	12.37	91	8961	0.200 ug/l		98
93) 1,2,4-Trichlorobenzene	13.63	180	5520	0.270 ug/l #		90
94) Hexachlorobutadiene	13.77	225	3536	0.363 ug/l		83
95) Naphthalene	13.82	128	12967	0.208 ug/l #		93
96) 1,2,3-Trichlorobenzene	14.01	180	5492	0.279 ug/l		87

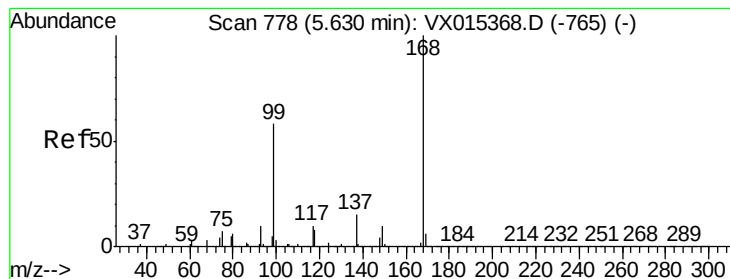
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040920\
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Acq On : 09 Apr 2020 10:51
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Misc : 5.00µL/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 09 15:23:39 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: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

Instrument :

MSVOA_X

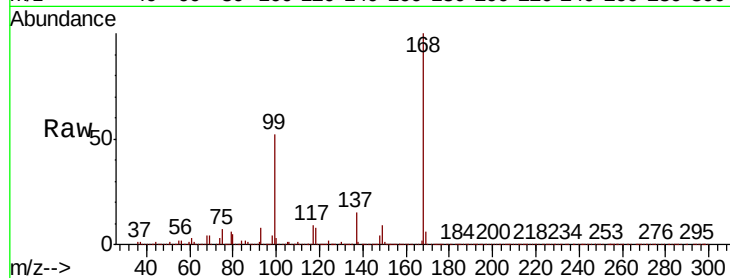
ClientSampled :

Tot Ion:168 Resp: 1103131

Ion Ratio Lower Upper

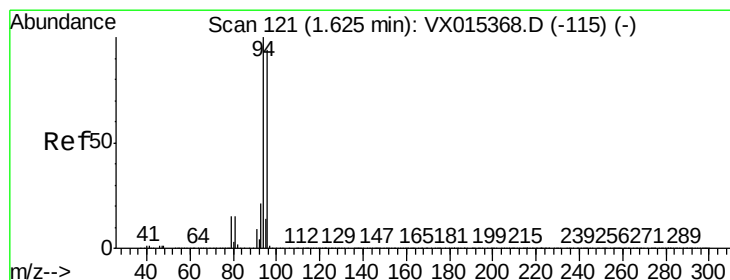
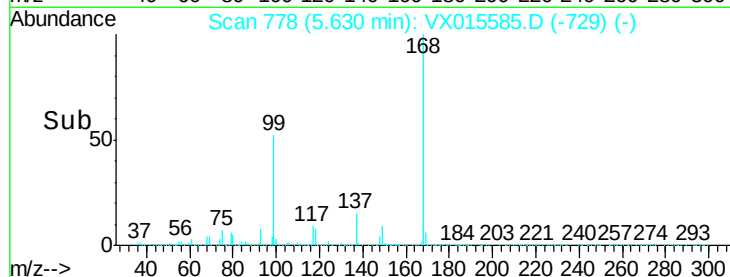
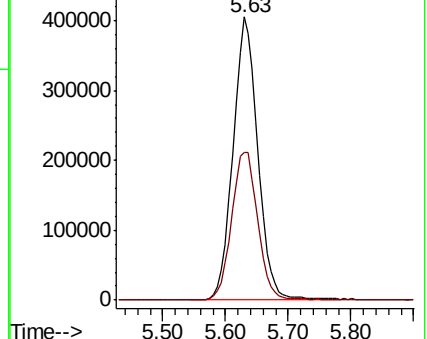
168 100

99 52.3 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: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015585.D

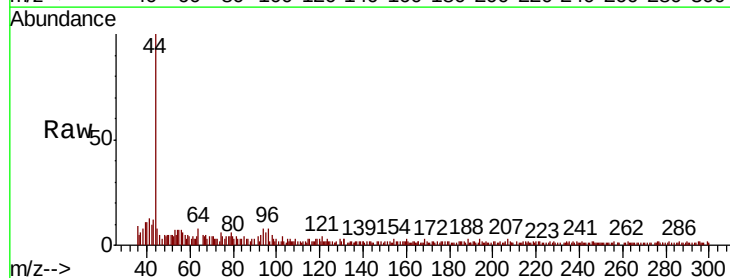
Acq: 09 Apr 2020 10:51

Tgt Ion: 94 Resp: 1738

Ion Ratio Lower Upper

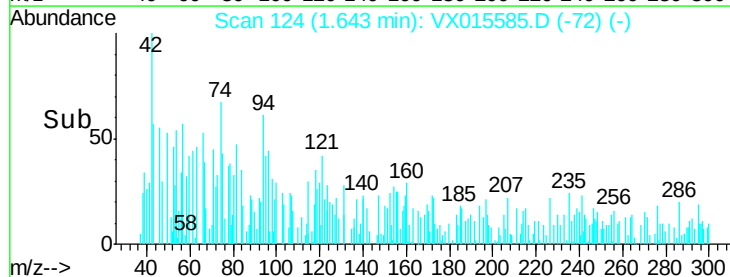
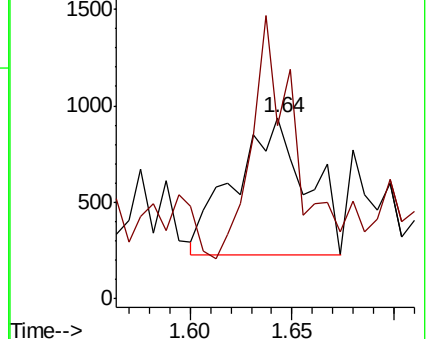
94 100

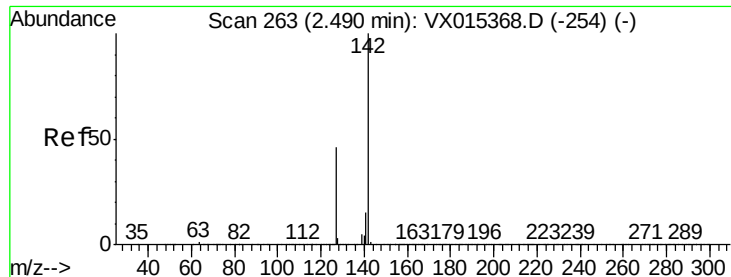
96 77.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

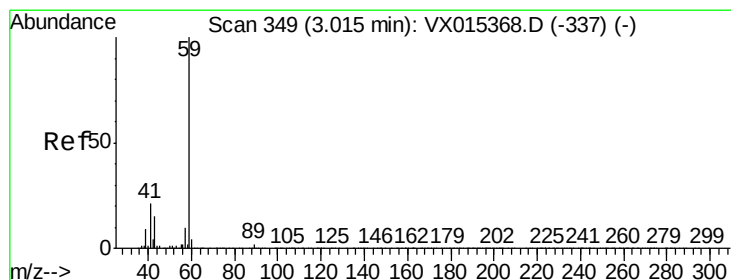
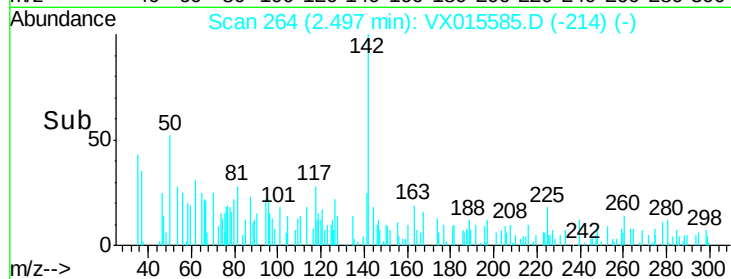
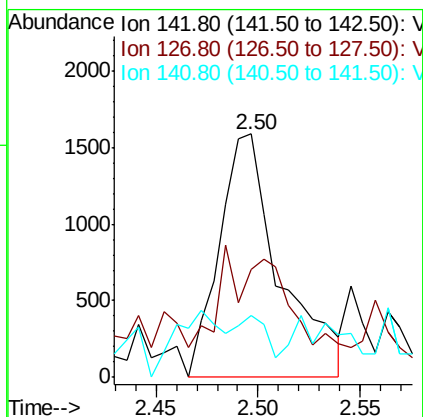
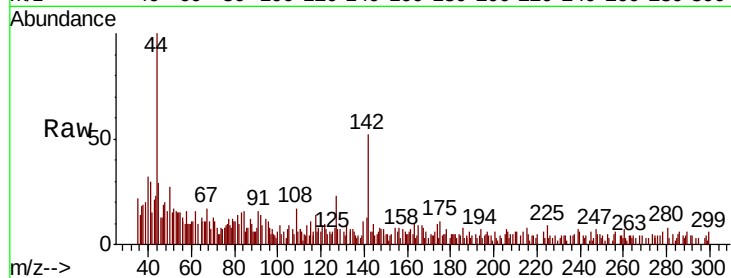




#10
Methyl Iodide
Concen: 0.245 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX015585.D
Acq: 09 Apr 2020 10:51

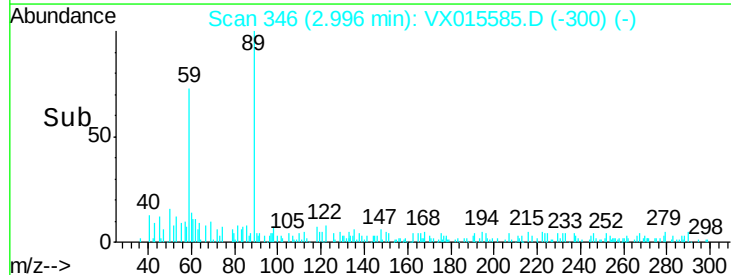
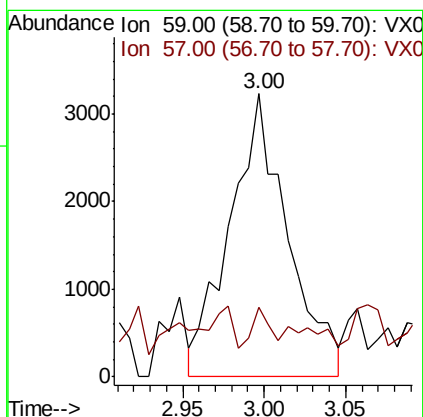
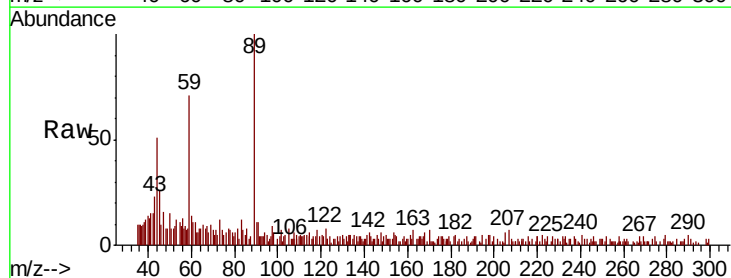
Instrument :
MSVOA_X
ClientSampled :

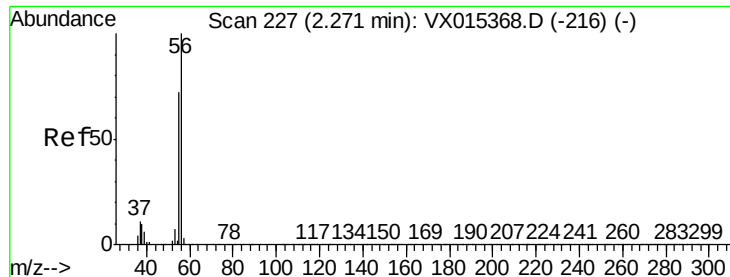
Tot Ion:142 Resp: 3285
Ion Ratio Lower Upper
142 100
127 0.0 35.9 53.9#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.143 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015585.D
Acq: 09 Apr 2020 10:51

Tgt Ion: 59 Resp: 7979
Ion Ratio Lower Upper
59 100
57 4.3 8.1 12.1#





#13

Acrolein

Concen: 0.545 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

Instrument :

MSVOA_X

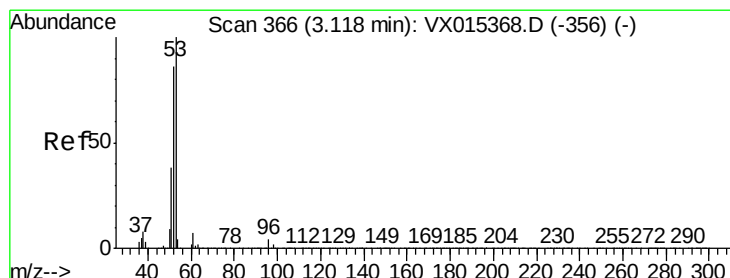
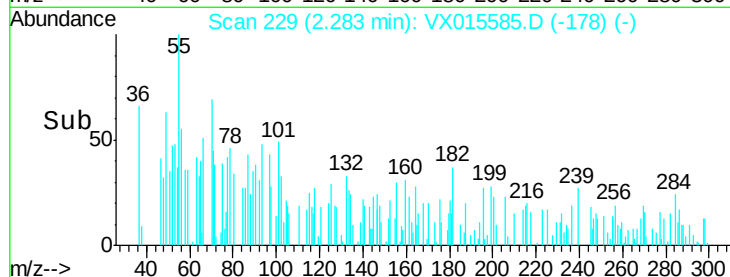
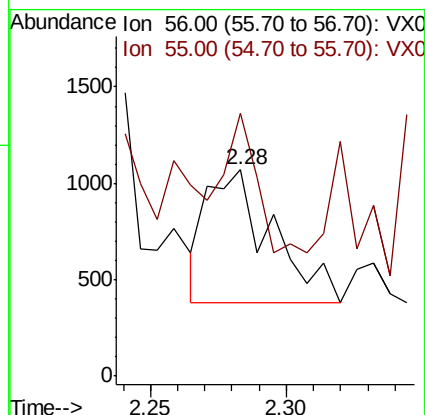
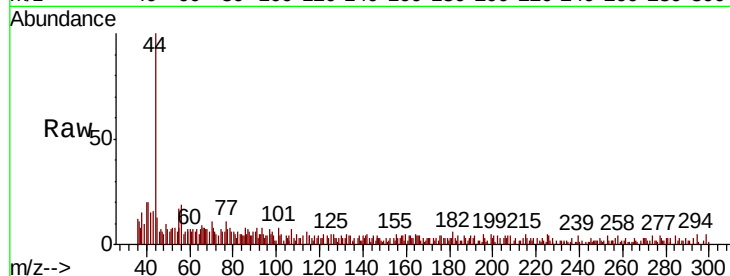
ClientSampled :

Tot Ion: 56 Resp: 1157

Ion Ratio Lower Upper

56 100

55 49.6 57.0 85.4#



#15

Acrylonitrile

Concen: 0.320 ug/l

RT: 3.12 min Scan# 367

Delta R.T. 0.01 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

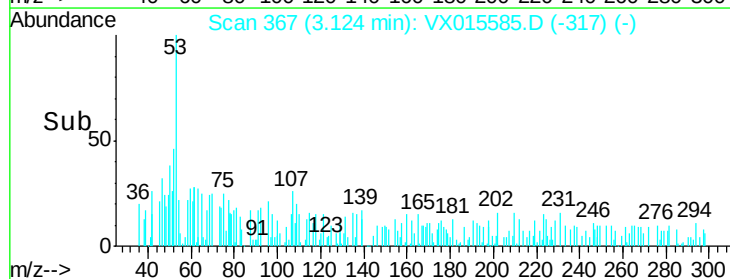
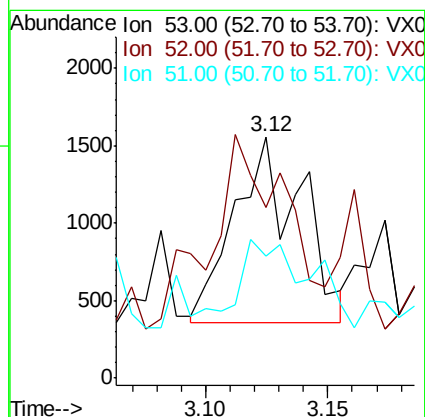
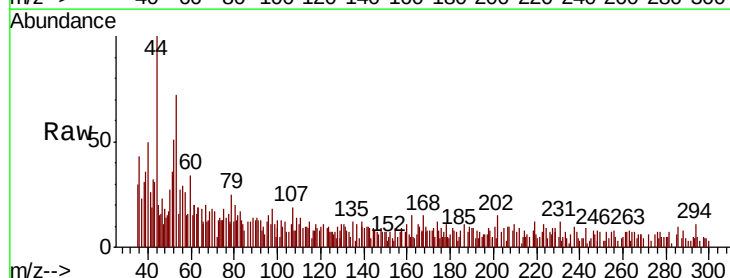
Tgt Ion: 53 Resp: 2271

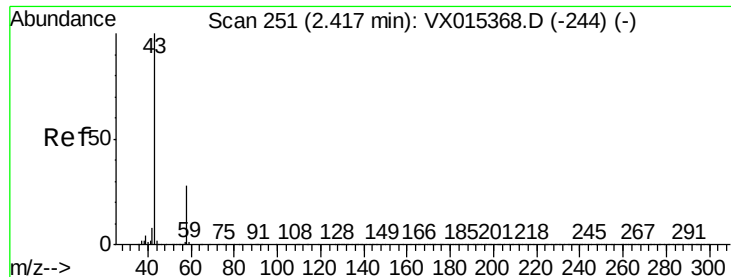
Ion Ratio Lower Upper

53 100

52 120.9 66.8 100.2#

51 47.3 29.5 44.3#

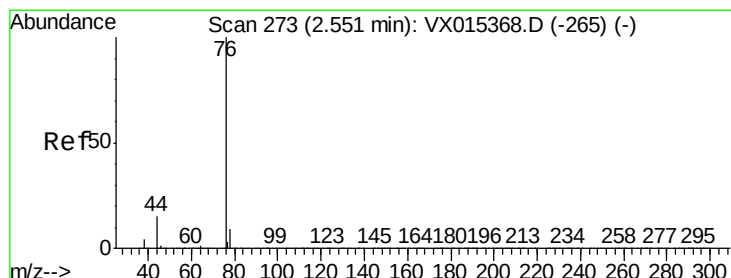
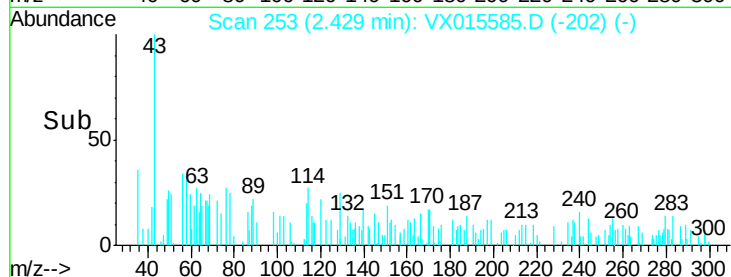
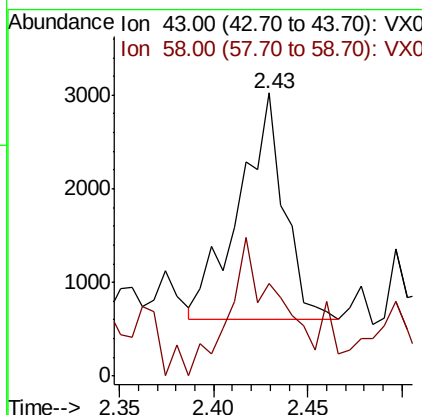
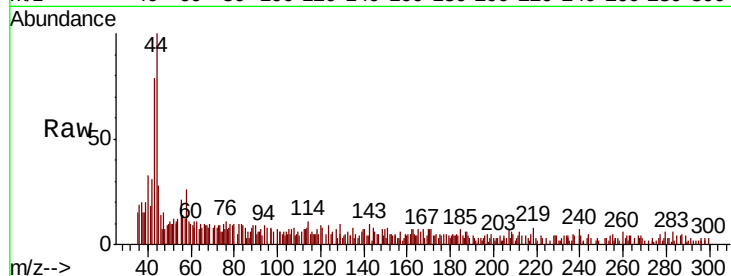




#16
Acetone
Concen: 0.601 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.01 min
Lab File: VX015585.D
Acq: 09 Apr 2020 10:51

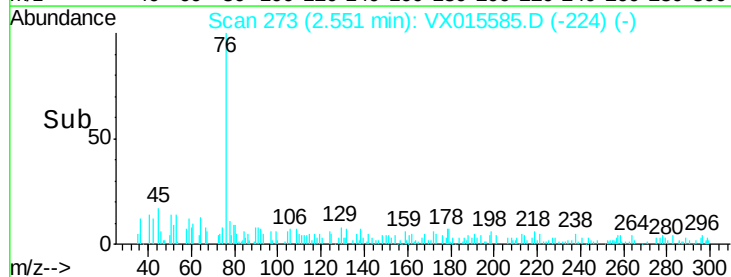
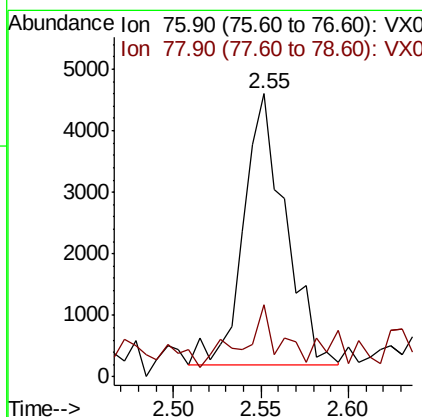
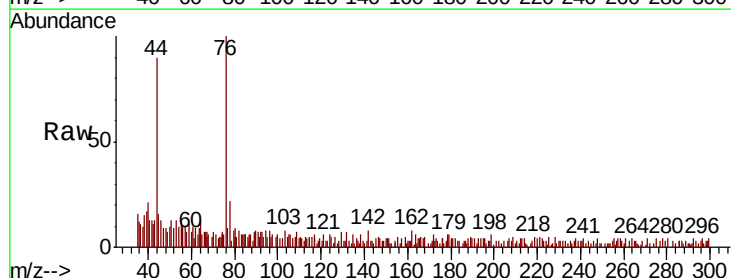
Instrument :
MSVOA_X
ClientSampleId :

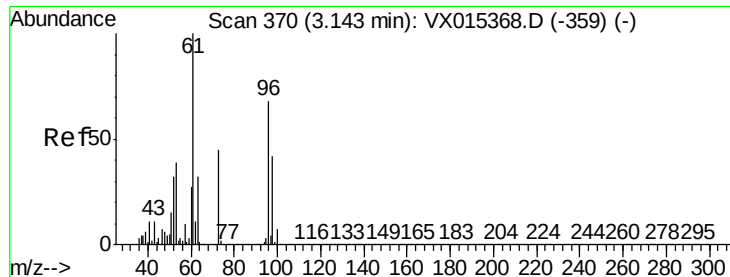
Tot Ion: 43 Resp: 4014
Ion Ratio Lower Upper
43 100
58 40.7 22.1 33.1#



#17
Carbon Disulfide
Concen: 0.230 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX015585.D
Acq: 09 Apr 2020 10:51

Tgt Ion: 76 Resp: 7320
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7





#21

trans-1,2-Dichloroethene

Concen: 0.217 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.01 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

Instrument :
MSVOA_X
ClientSampled :

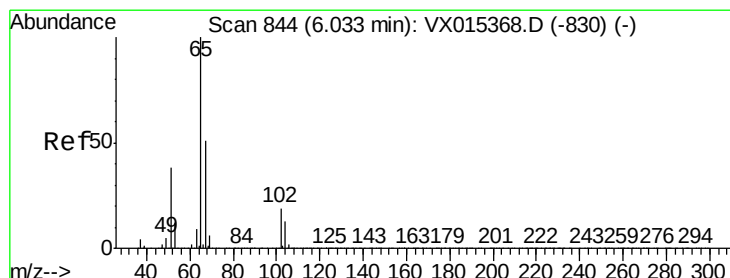
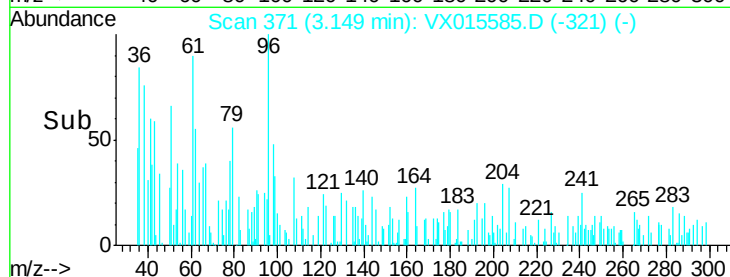
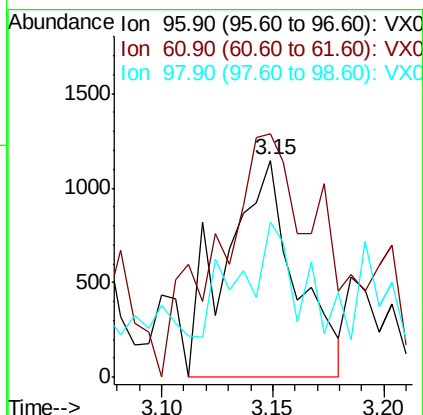
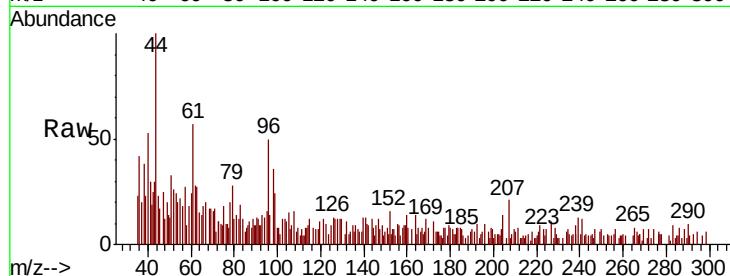
Tot Ion: 96 Resp: 2508

Ion Ratio Lower Upper

96 100

61 88.4 116.9 175.3#

98 64.2 48.6 73.0



#33

1,2-Dichloroethane-d4

Concen: 45.192 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015585.D

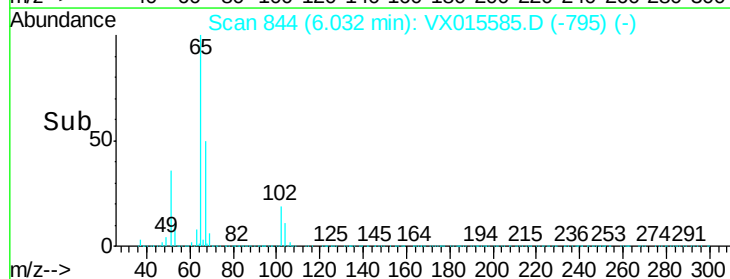
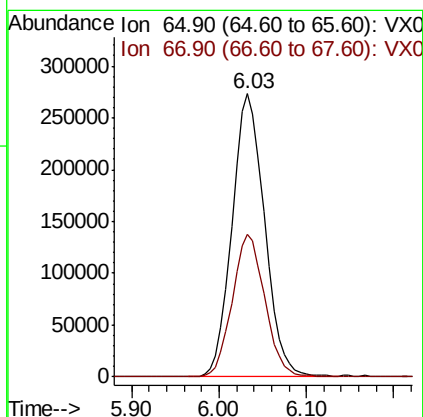
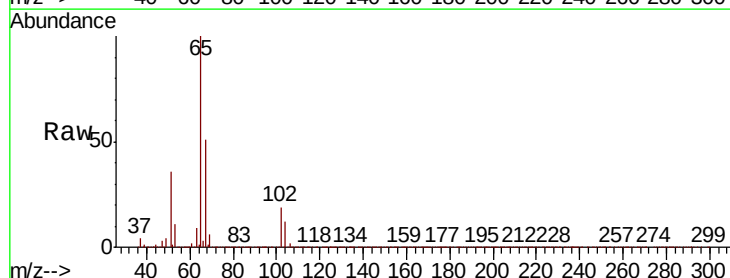
Acq: 09 Apr 2020 10:51

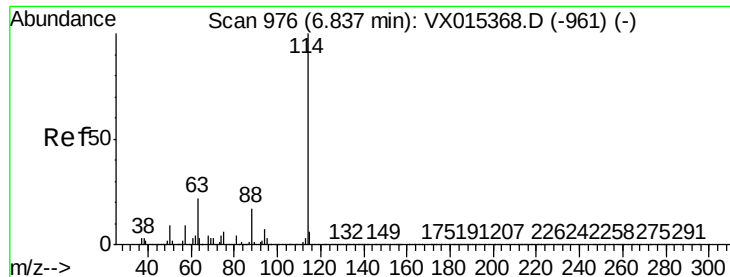
Tgt Ion: 65 Resp: 703119

Ion Ratio Lower Upper

65 100

67 50.5 0.0 102.6

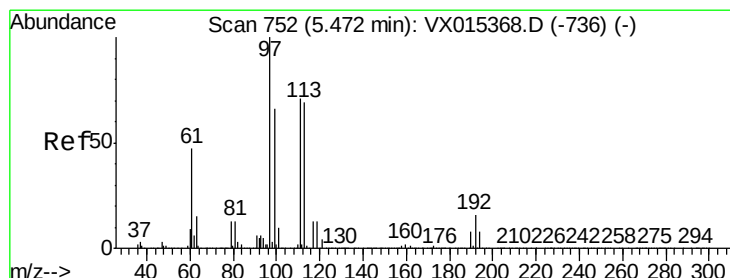
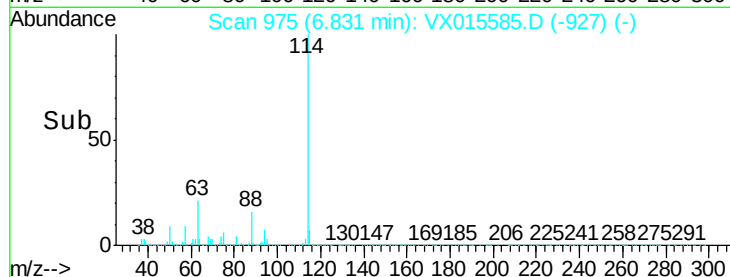
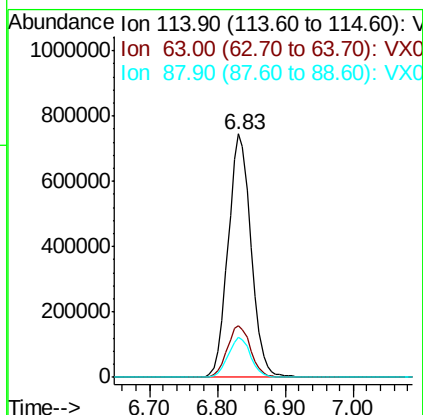
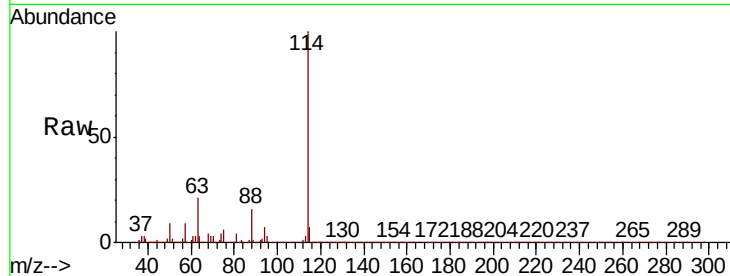




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015585.D
 Acq: 09 Apr 2020 10:51

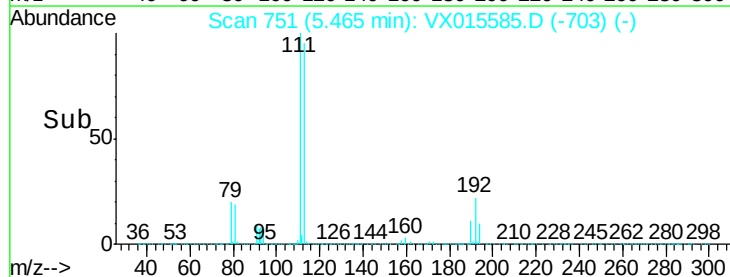
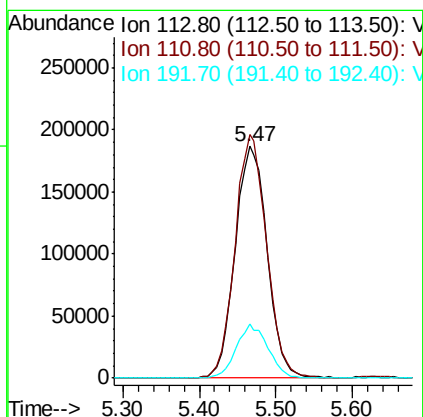
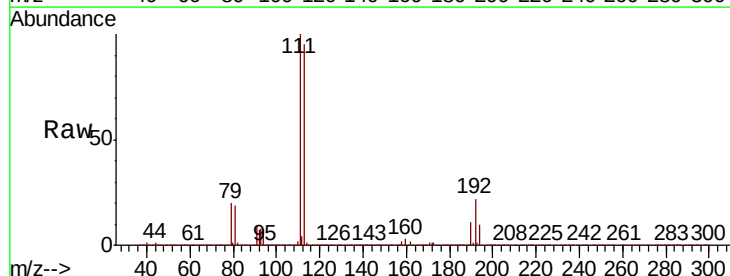
Instrument :
 MSVOA_X
 ClientSampleId :

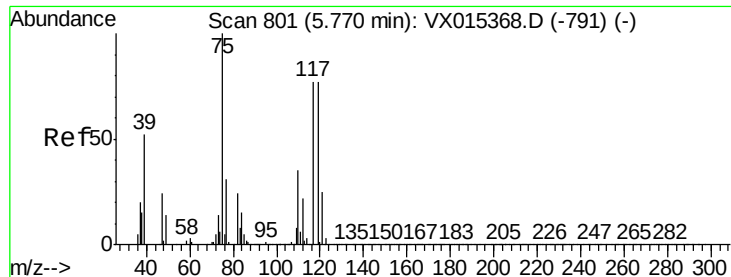
Tot Ion:114 Resp: 1740605
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 44.2
 88 16.3 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 48.689 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015585.D
 Acq: 09 Apr 2020 10:51

Tgt Ion:113 Resp: 541734
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.5 122.3
 192 23.1 17.8 26.6

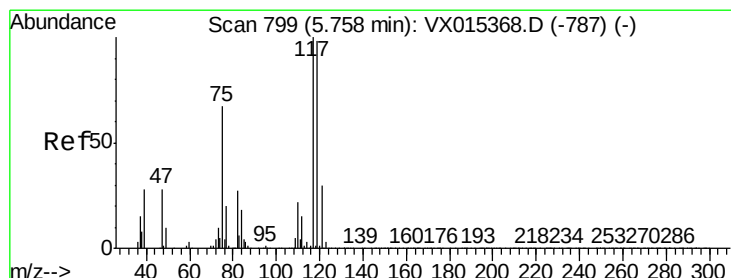
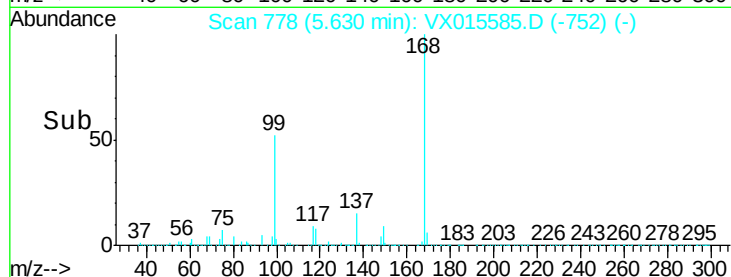
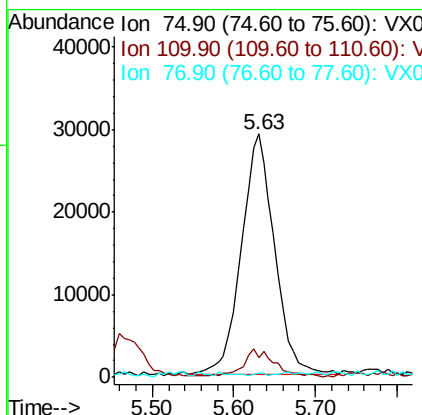
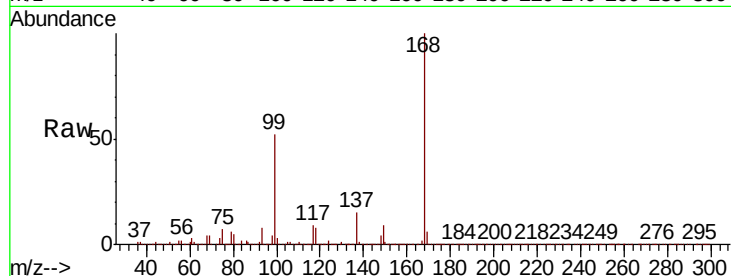




#36
 1,1-Dichloropropene
 Concen: 5.112 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015585.D
 Acq: 09 Apr 2020 10:51

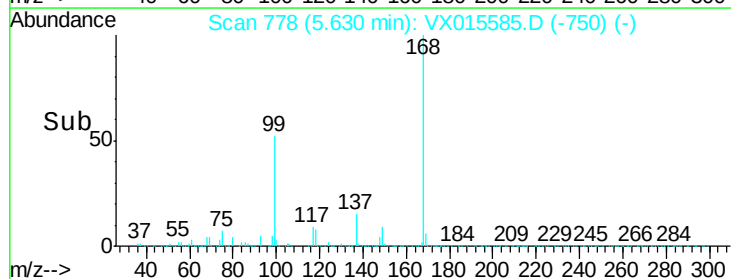
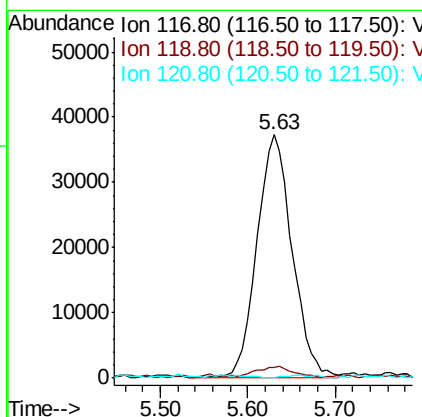
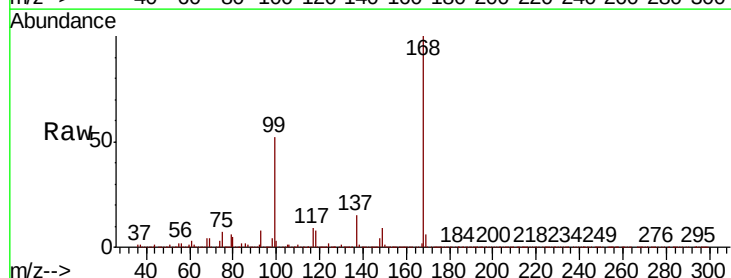
Instrument :
 MSVOA_X
 ClientSampleId :

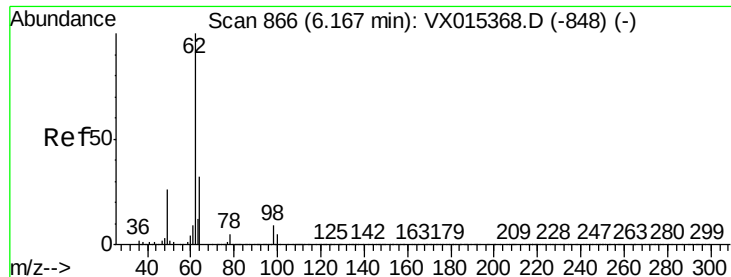
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.7	17.1	51.3#
77	0.6	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.031 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015585.D
 Acq: 09 Apr 2020 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	78.0	117.0#
121	0.3	23.8	35.8#





#42

1,2-Dichloroethane

Concen: 0.212 ug/l

RT: 6.16 min Scan# 865

Delta R.T. -0.01 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

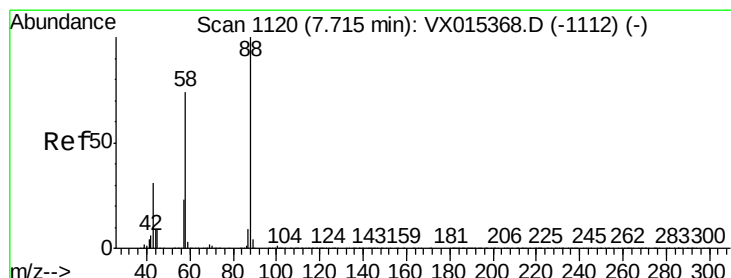
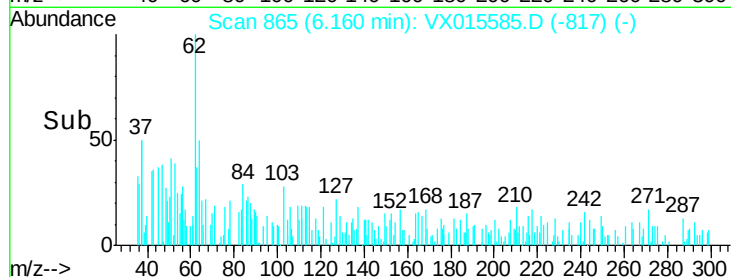
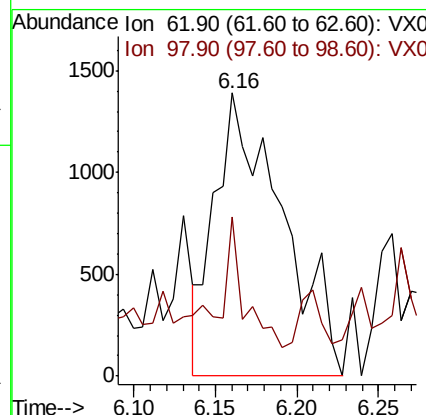
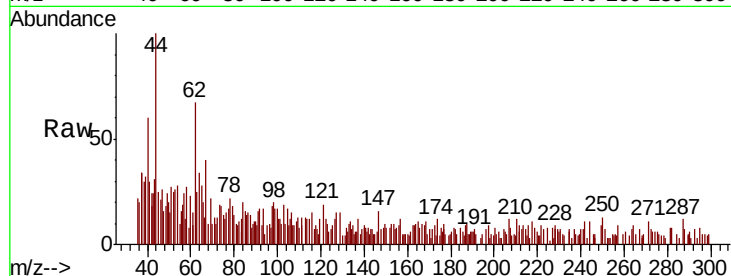
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 62 Resp: 3992

Ion Ratio Lower Upper

62 100

98 12.8 0.0 17.6



#49

1,4-Dioxane

Concen: 2.710 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

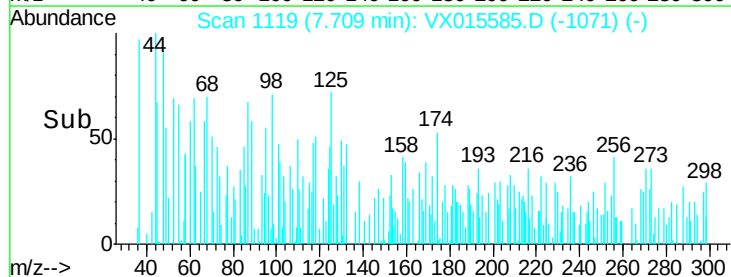
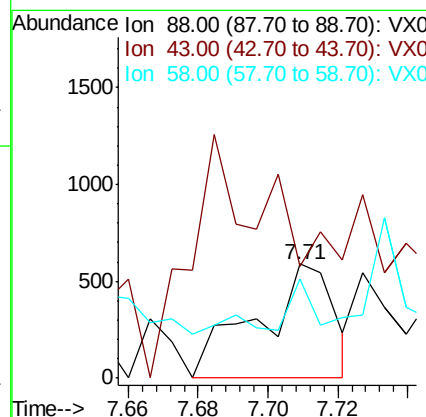
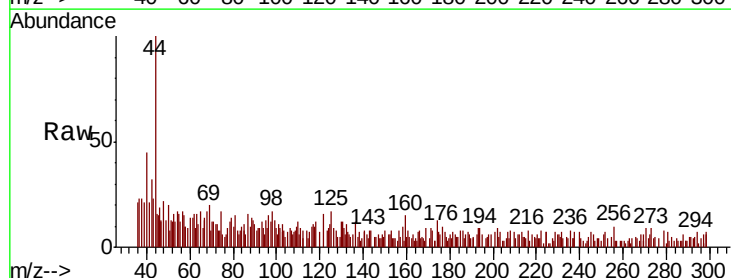
Tgt Ion: 88 Resp: 890

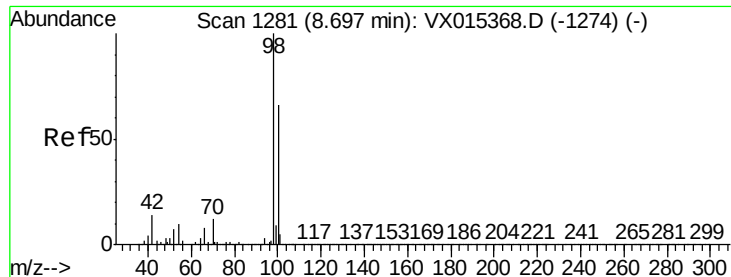
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 11.7 60.6 90.8#

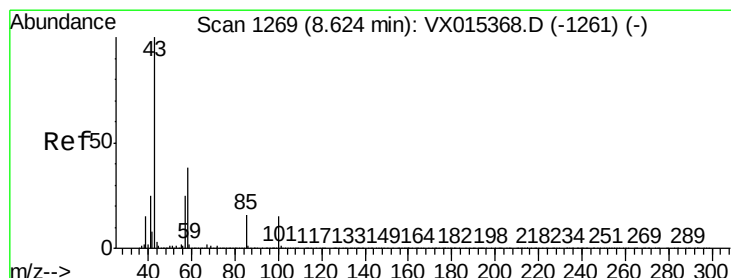
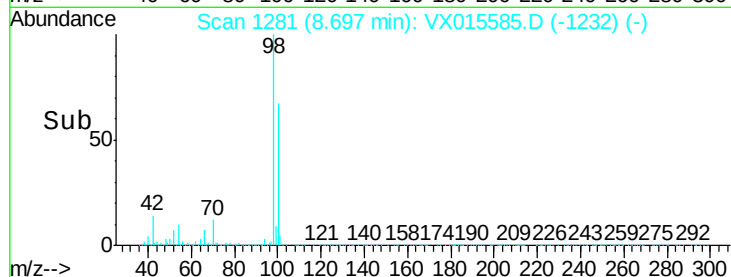
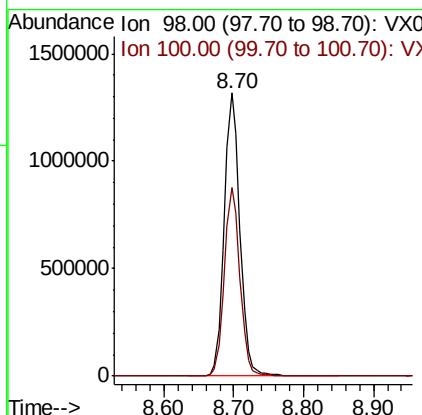
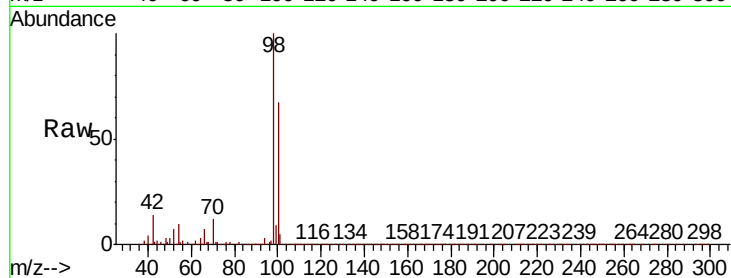




#50
Toluene-d8
Concen: 50.150 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015585.D
Acq: 09 Apr 2020 10:51

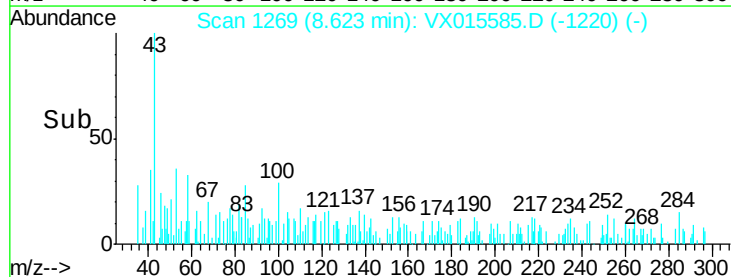
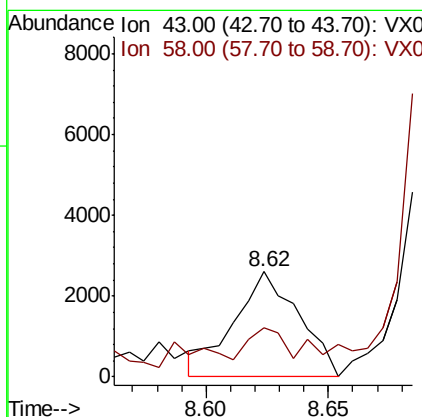
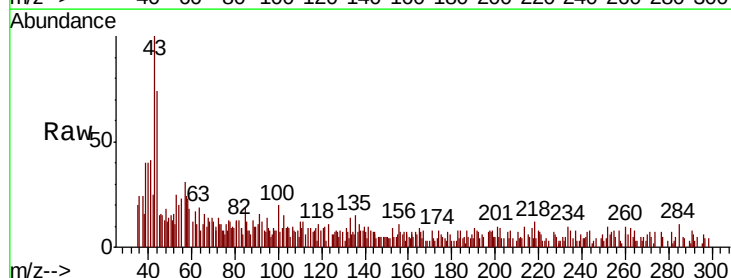
Instrument :
MSVOA_X
ClientSampleId :

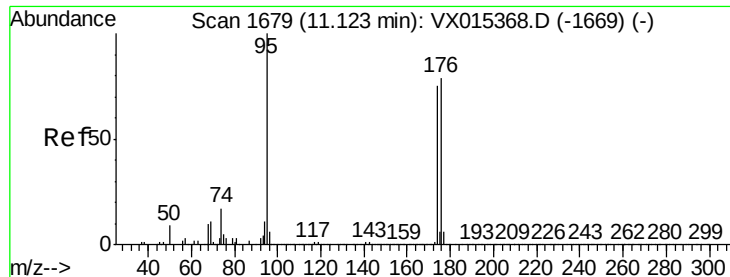
Tot Ion: 98 Resp: 2054379
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.241 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VX015585.D
Acq: 09 Apr 2020 10:51

Tgt Ion: 43 Resp: 4819
Ion Ratio Lower Upper
43 100
58 19.4 29.7 44.5#

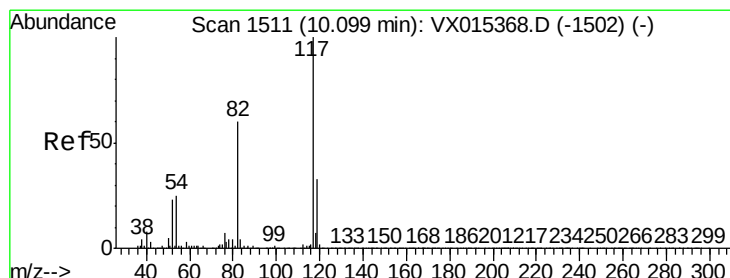
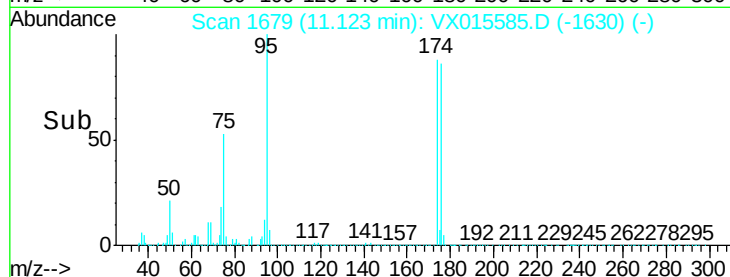
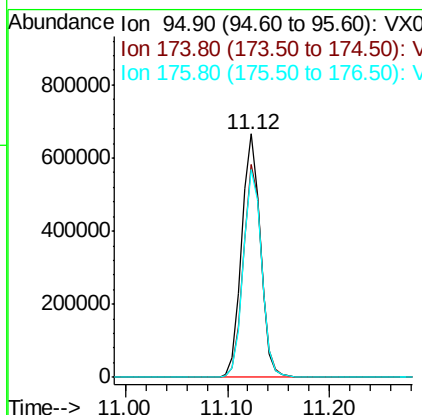
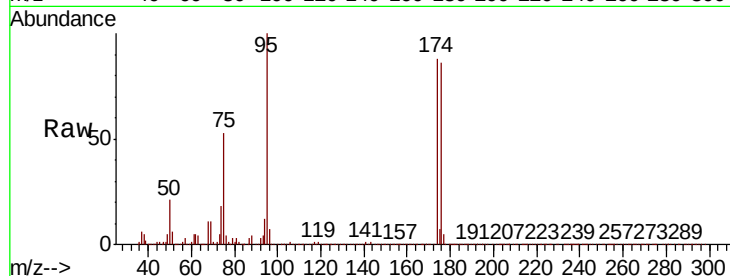




#62
4-Bromofluorobenzene
Concen: 50.377 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015585.D
Acq: 09 Apr 2020 10:51

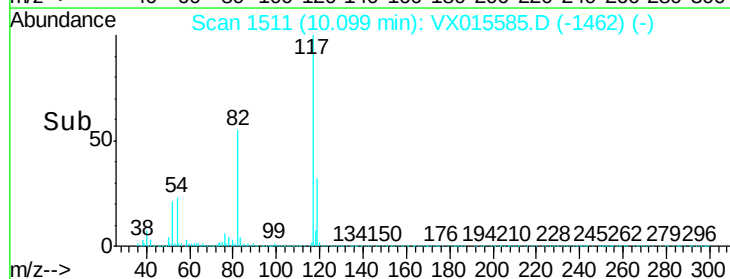
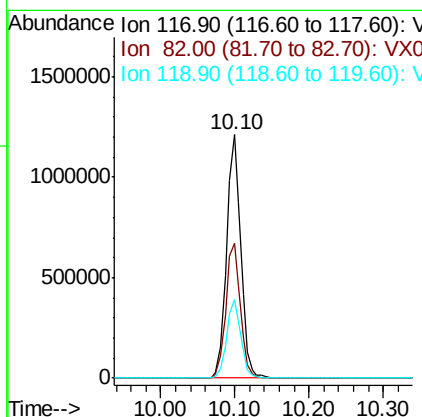
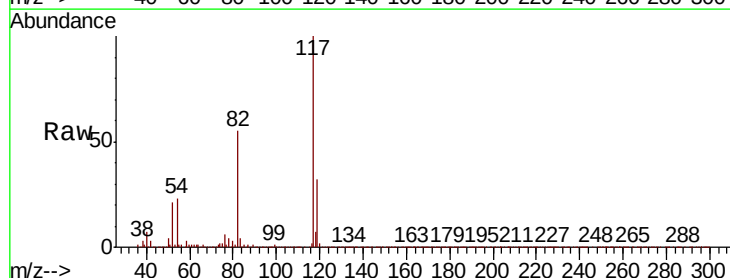
Instrument :
MSVOA_X
ClientSampled :

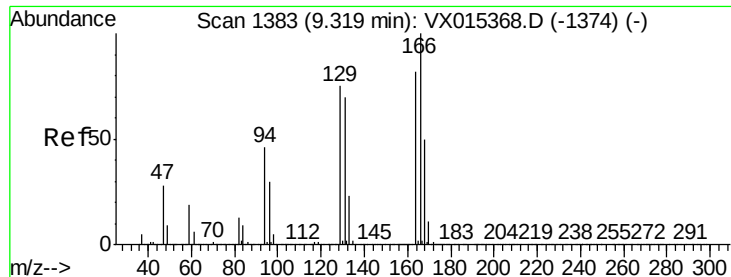
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	158.6
176	83.9	0.0	159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015585.D
Acq: 09 Apr 2020 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.8	71.8
119	32.0	26.8	40.2





#64

Tetrachloroethene

Concen: 0.210 ug/l

RT: 9.32 min Scan# 1384

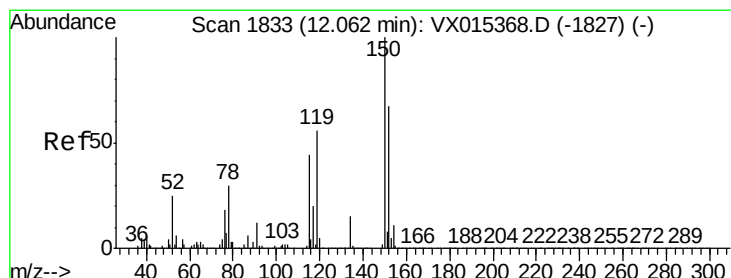
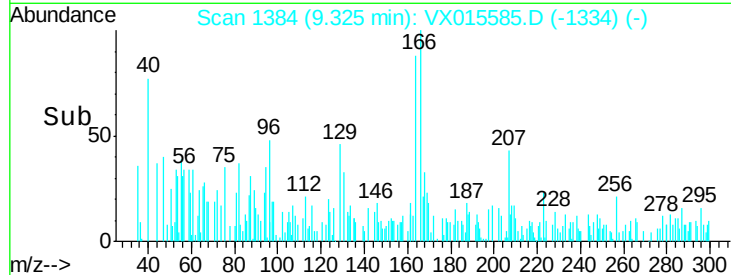
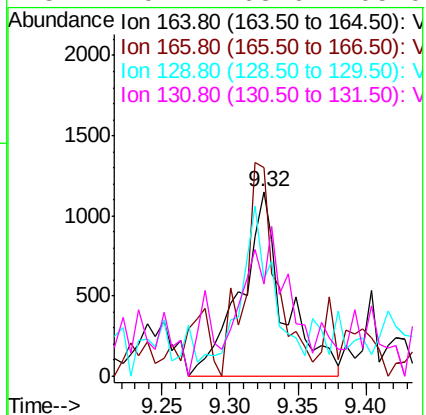
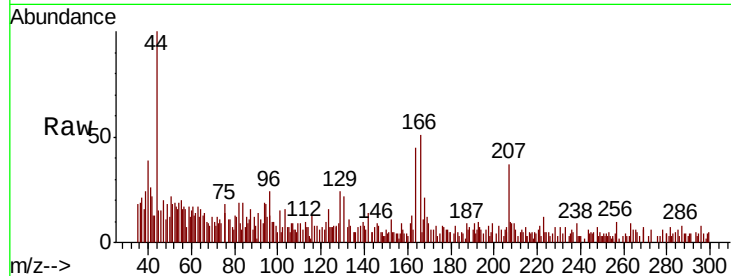
Delta R.T. 0.01 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	164	Resp:	2559
Ion	Ratio	Lower	Upper
164	100		
166	104.2	97.8	146.6
129	25.0	73.0	109.4#
131	49.7	68.6	103.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

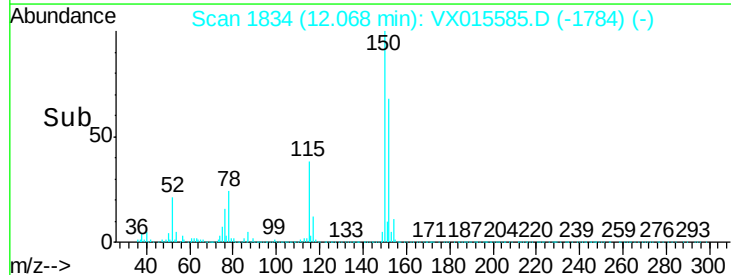
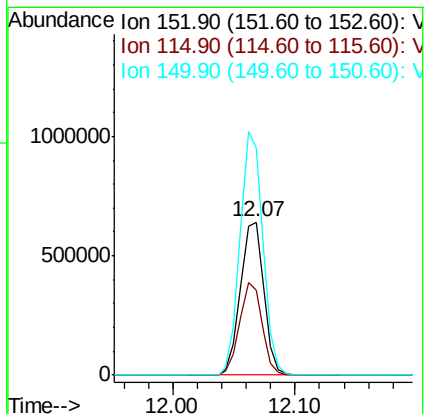
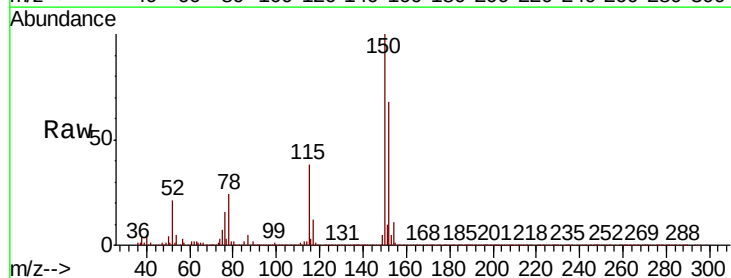
RT: 12.07 min Scan# 1834

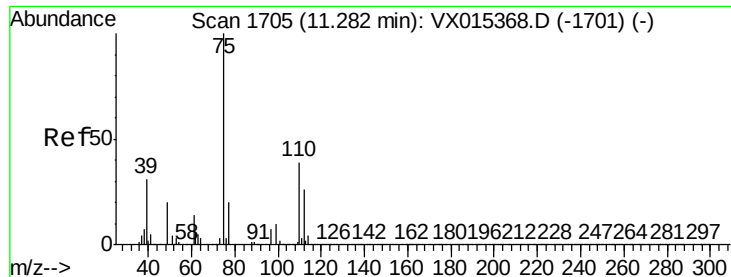
Delta R.T. 0.01 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

Tgt Ion:	152	Resp:	844086
Ion	Ratio	Lower	Upper
152	100		
115	58.2	39.0	116.9
150	155.2	0.0	340.8





#76

1,2,3-Trichloropropane

Concen: 25.250 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

Instrument :

MSVOA_X

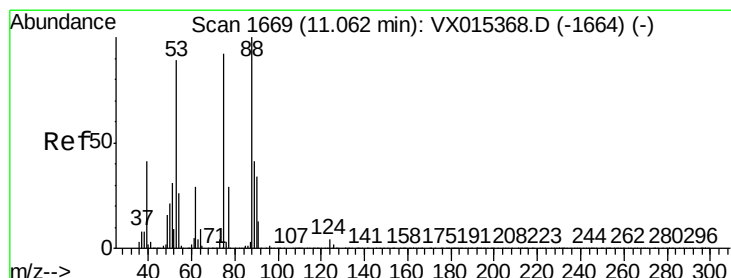
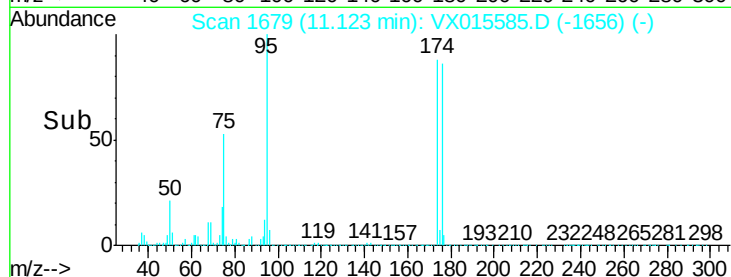
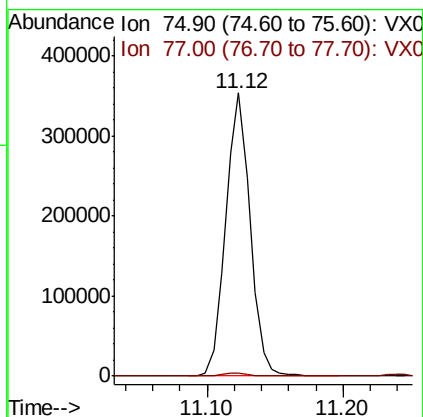
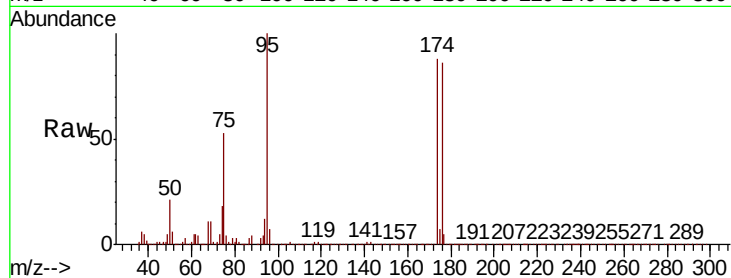
ClientSampleId :

Tot Ion: 75 Resp: 438283

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.586 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

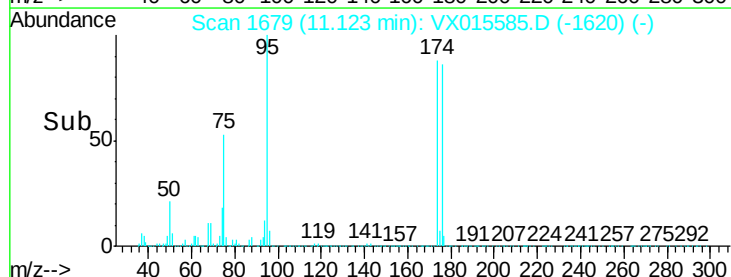
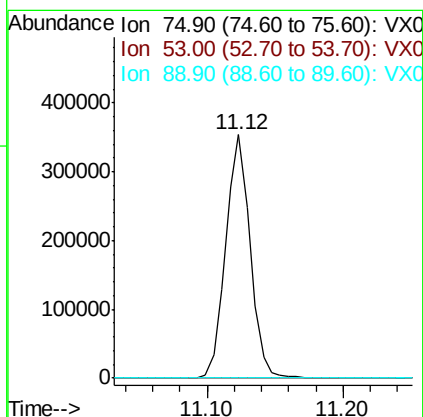
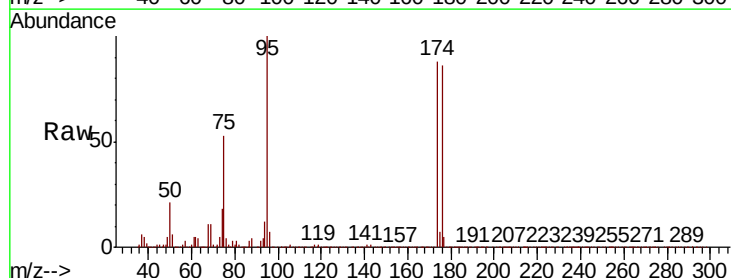
Tgt Ion: 75 Resp: 438283

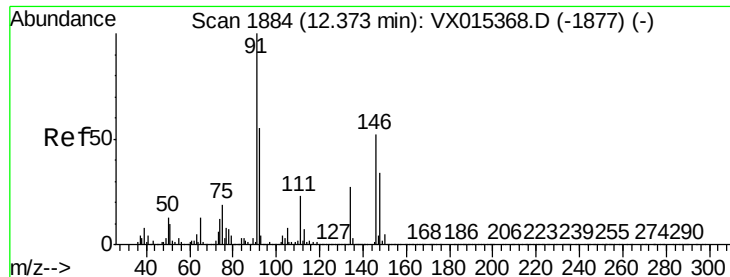
Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.1 36.1 54.1#

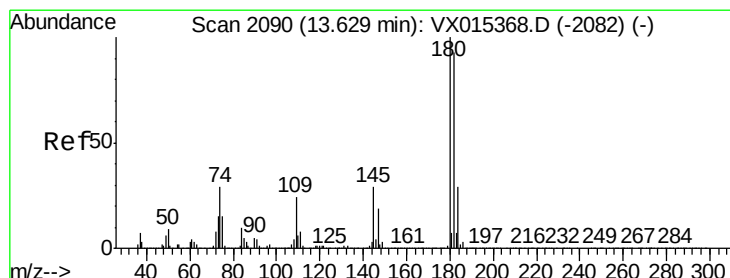
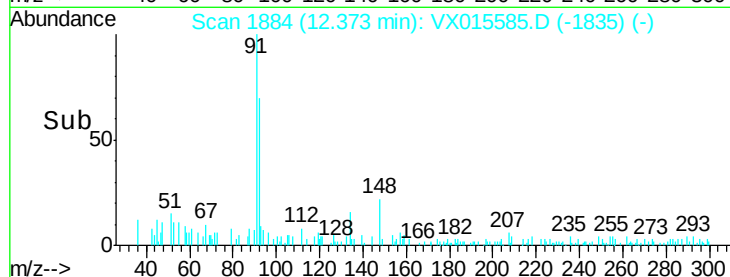
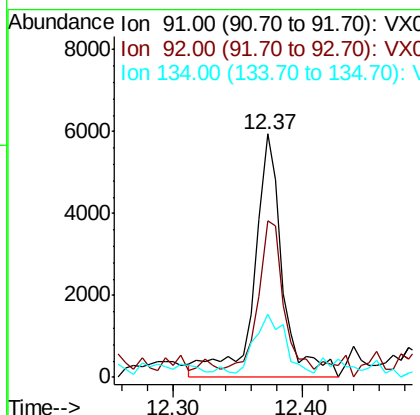
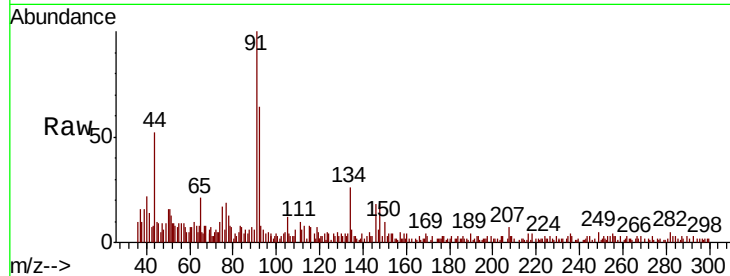




#89
n-Butylbenzene
Concen: 0.200 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX015585.D
Acq: 09 Apr 2020 10:51

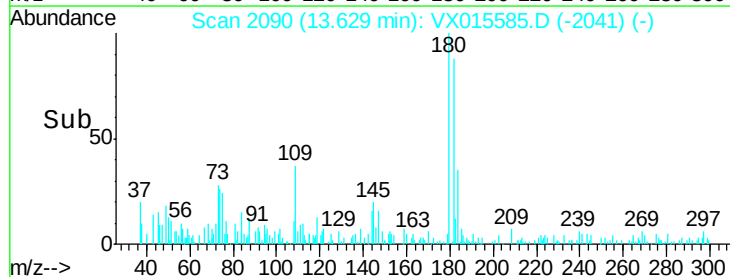
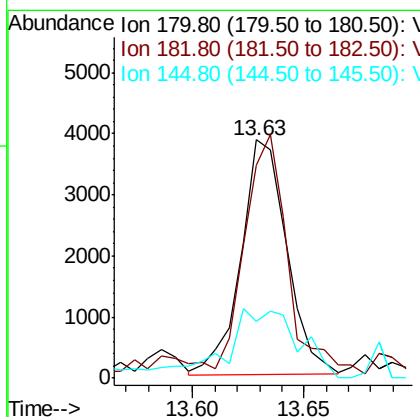
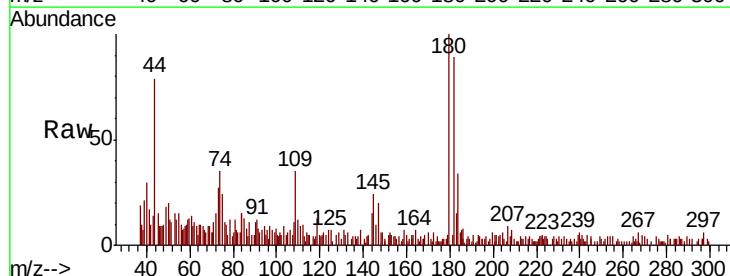
Instrument :
MSVOA_X
ClientSampleId :

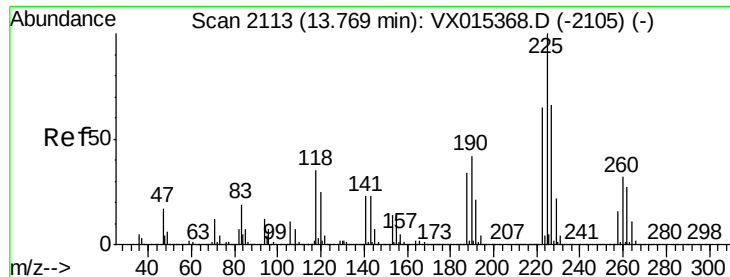
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.2	81.5
134	25.7	13.4	40.2



#93
1,2,4-Trichlorobenzene
Concen: 0.270 ug/l
RT: 13.63 min Scan# 2090
Delta R.T. -0.00 min
Lab File: VX015585.D
Acq: 09 Apr 2020 10:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.9	140.7
145	46.6	14.9	44.5





#94

Hexachlorobutadiene

Concen: 0.363 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

Instrument :

MSVOA_X

ClientSampleId :

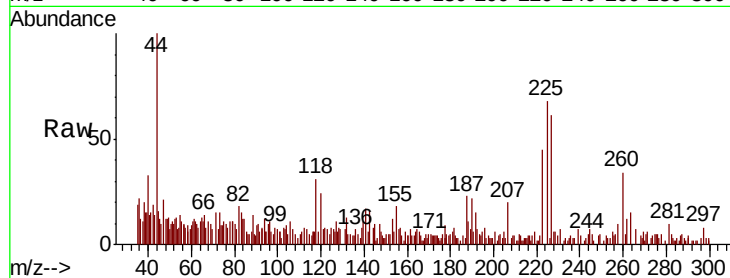
Tot Ion:225 Resp: 3536

Ion Ratio Lower Upper

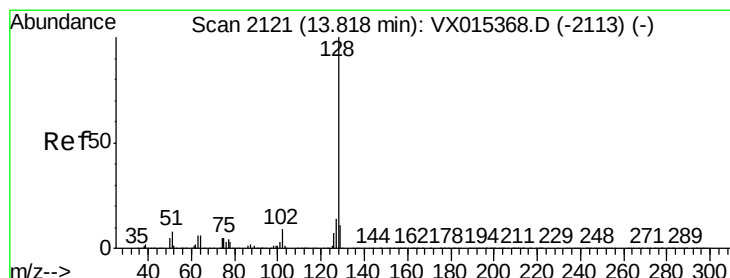
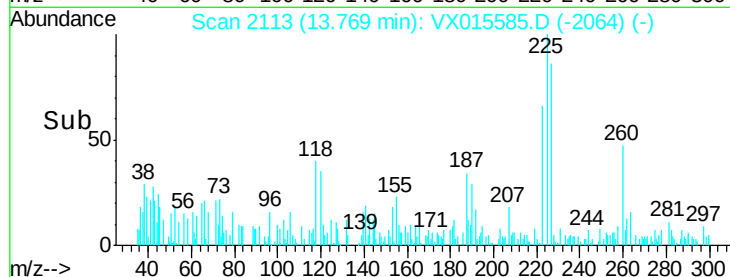
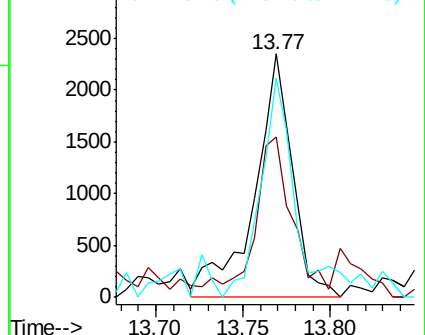
225 100

223 61.7 31.9 95.7

227 85.6 30.4 91.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.208 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. -0.00 min

Lab File: VX015585.D

Acq: 09 Apr 2020 10:51

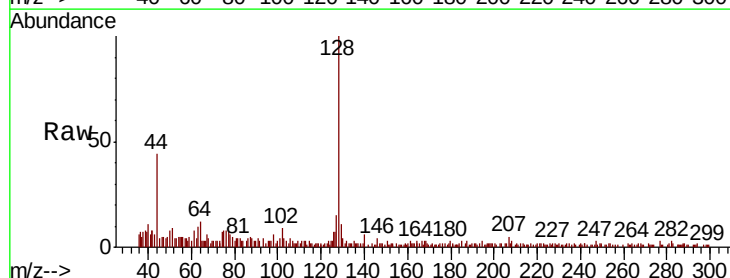
Tgt Ion:128 Resp: 12967

Ion Ratio Lower Upper

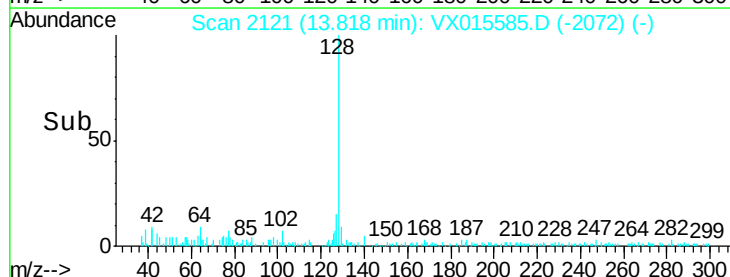
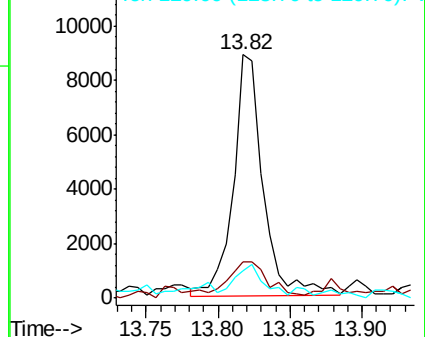
128 100

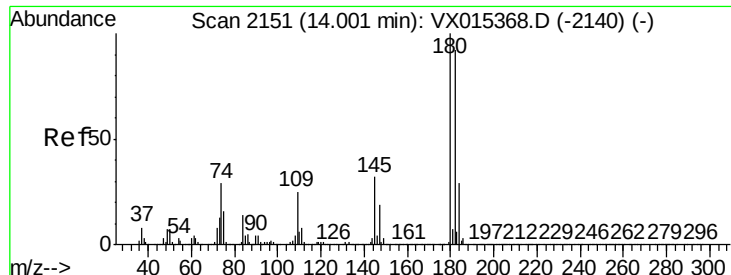
127 17.4 10.6 15.8#

129 12.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

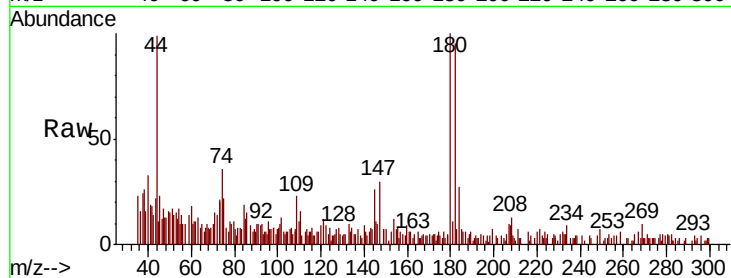




#96
 1,2,3-Trichlorobenzene
 Concen: 0.279 ug/l
 RT: 14.01 min Scan# 2152
 Delta R.T. 0.01 min
 Lab File: VX015585.D
 Acq: 09 Apr 2020 10:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 5492
 Ion Ratio Lower Upper
 180 100
 182 77.9 46.7 140.0
 145 34.8 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

