

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX033120\
 Data File : VX015454.D
 Acq On : 31 Mar 2020 15:20
 Operator : JC/SP
 Sample : PB127897ZHE#09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 01 07:32:50 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	1066687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1774512	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1709888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	921108	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	740670	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
35) Dibromofluoromethane	5.47	113	559351	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	8.70	98	2121839	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.12	95	926282	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	

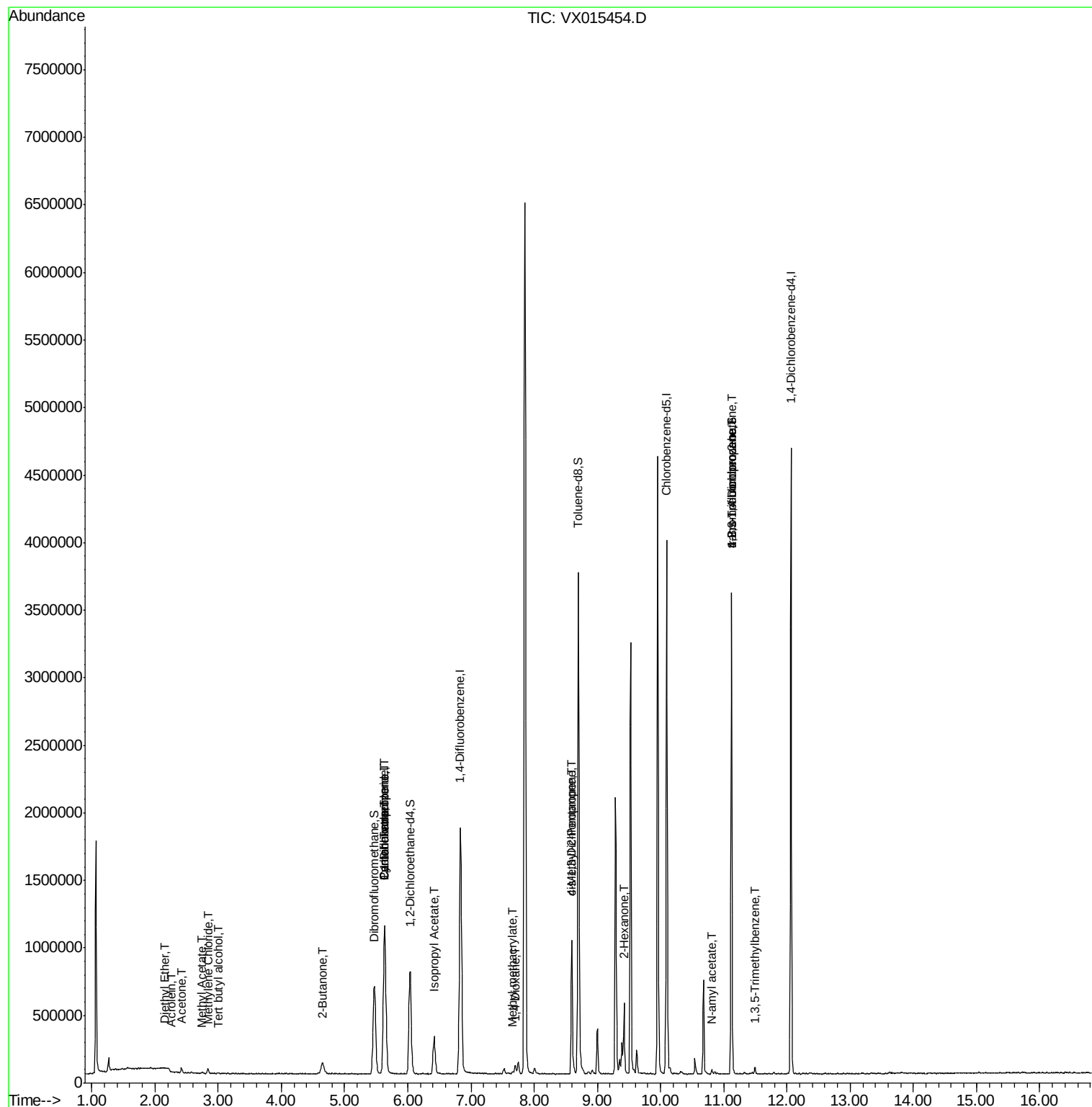
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	578	Below Cal	#	31
8) Diethyl Ether	2.16	74	1784	0.287	ug/l	89
11) Tert butyl alcohol	3.00	59	5170	1.436	ug/l #	73
13) Acrolein	2.26	56	1342	0.654	ug/l #	14
16) Acetone	2.42	43	42059	6.507	ug/l	99
18) Methyl Acetate	2.75	43	13122	0.795	ug/l	96
20) Methylene Chloride	2.84	84	16243	1.345	ug/l	94
25) 2-Butanone	4.65	43	16265	1.565	ug/l #	73
31) Cyclohexane	5.63	56	23223	1.219	ug/l #	14
36) 1,1-Dichloropropene	5.63	75	84898	5.192	ug/l #	52
38) Carbon Tetrachloride	5.64	117	105433	5.954	ug/l #	15
43) Isopropyl Acetate	6.42	43	403764	11.235	ug/l	99
48) Methyl methacrylate	7.65	41	22056	1.229	ug/l #	19
49) 1,4-Dioxane	7.70	88	347	1.036	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	377737	18.547	ug/l #	51
54) cis-1,3-Dichloropropene	8.59	75	152204	6.957	ug/l #	54
59) 2-Hexanone	9.42	43	423205	27.523	ug/l #	27
74) N-amyl acetate	10.81	43	18661	0.556	ug/l #	57
76) 1,2,3-Trichloropropane	11.12	75	482707	25.484	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	21340	0.414	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.12	75	482707	61.147	ug/l #	10

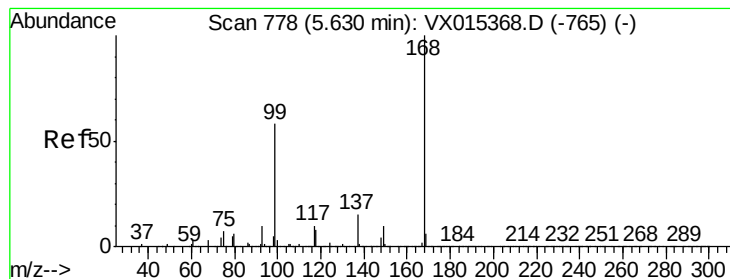
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015454.D

Acq: 31 Mar 2020 15:20

Instrument :

MSVOA_X

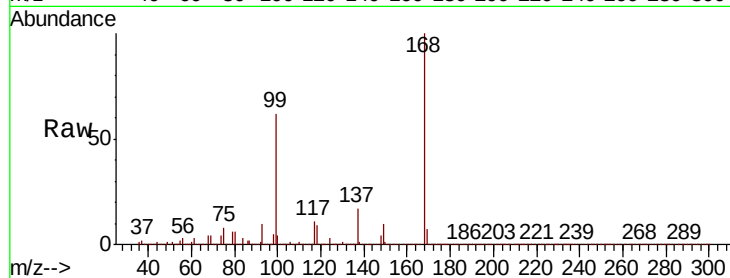
ClientSampleId :

Tot Ion:168 Resp: 1066687

Ion Ratio Lower Upper

168 100

99 62.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

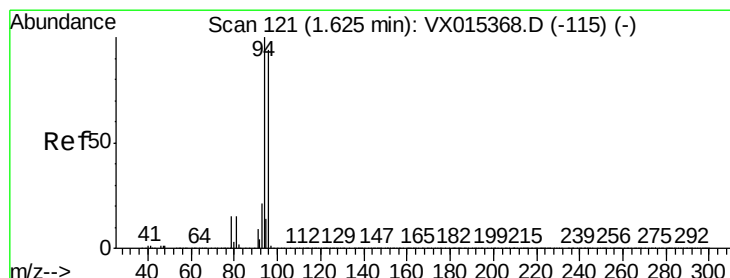
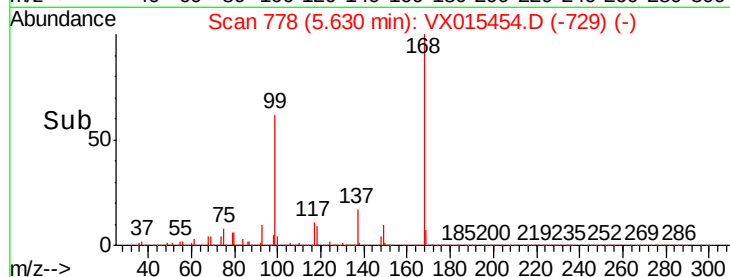
200000

100000

0

Time-->

5.40 5.60 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015454.D

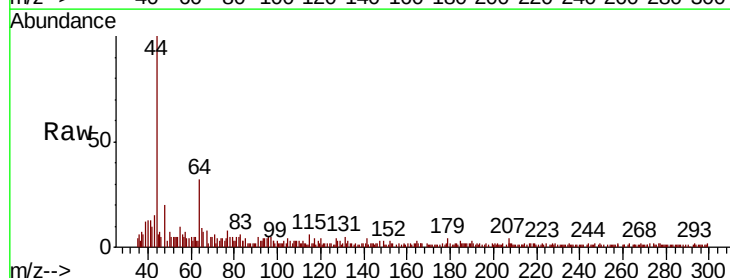
Acq: 31 Mar 2020 15:20

Tgt Ion: 94 Resp: 578

Ion Ratio Lower Upper

94 100

96 26.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1000

800

600

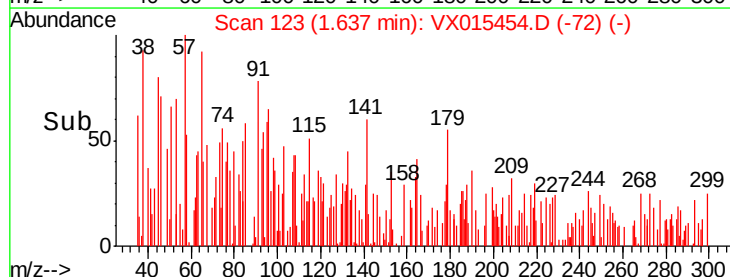
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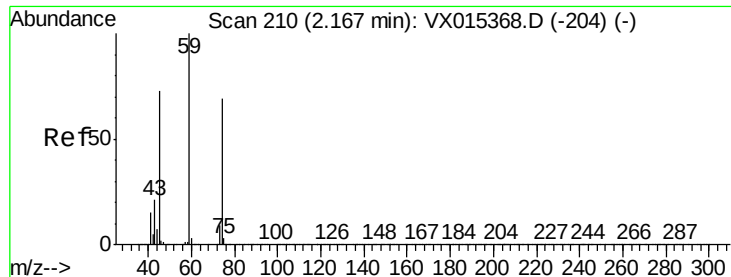
200

0

Time-->

1.62 1.64 1.66





#8

Diethyl Ether

Concen: 0.287 ug/l

RT: 2.16 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015454.D

Acq: 31 Mar 2020 15:20

Instrument :

MSVOA_X

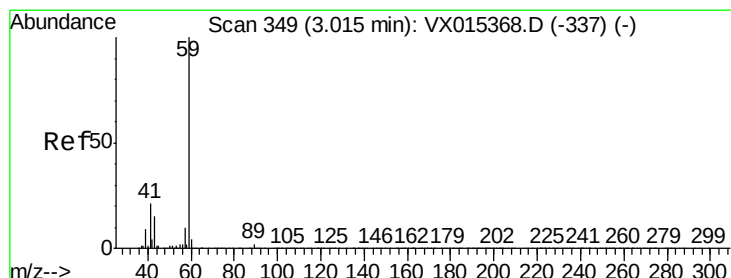
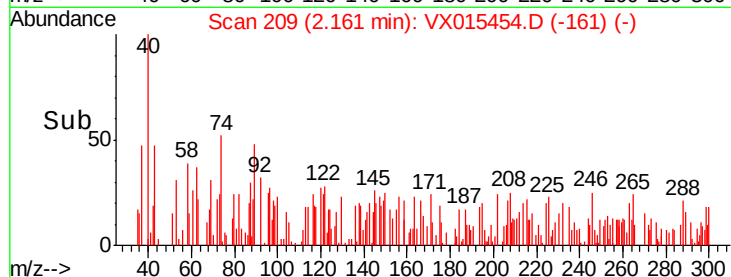
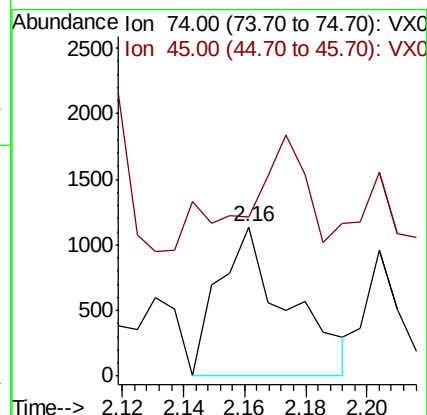
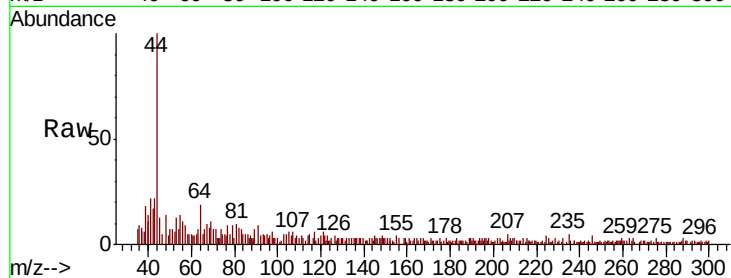
ClientSampled :

Tot Ion: 74 Resp: 1784

Ion Ratio Lower Upper

74 100

45 96.6 53.8 161.4



#11

Tert butyl alcohol

Concen: 1.436 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.01 min

Lab File: VX015454.D

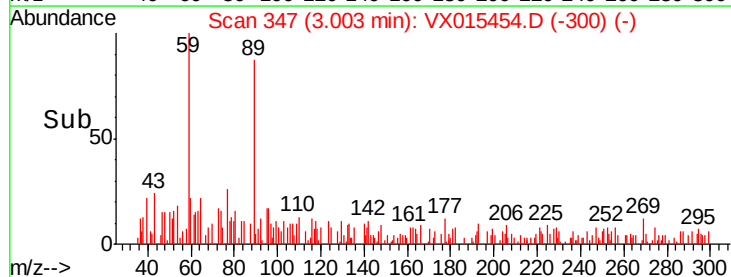
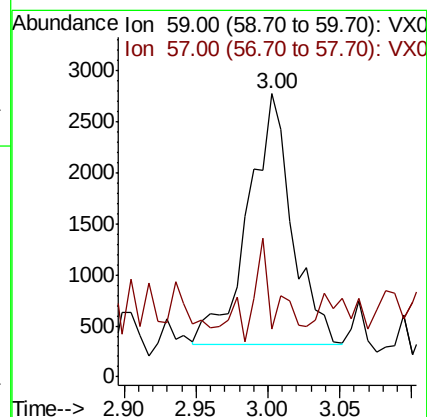
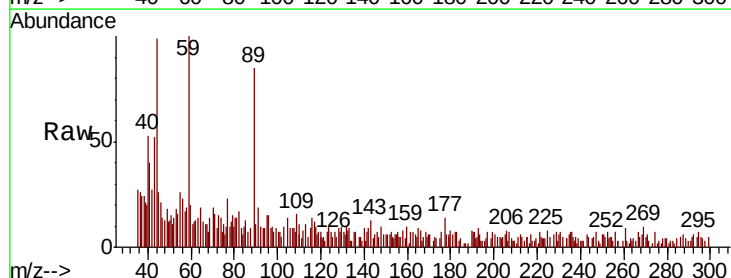
Acq: 31 Mar 2020 15:20

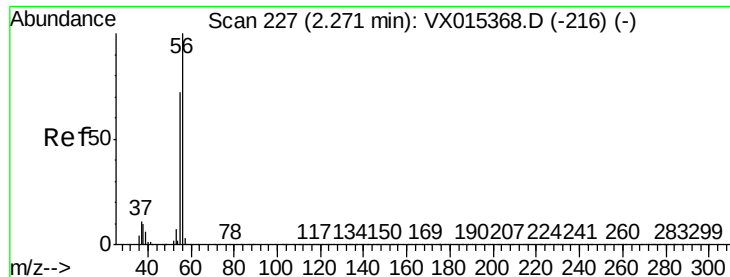
Tgt Ion: 59 Resp: 5170

Ion Ratio Lower Upper

59 100

57 20.3 8.1 12.1#

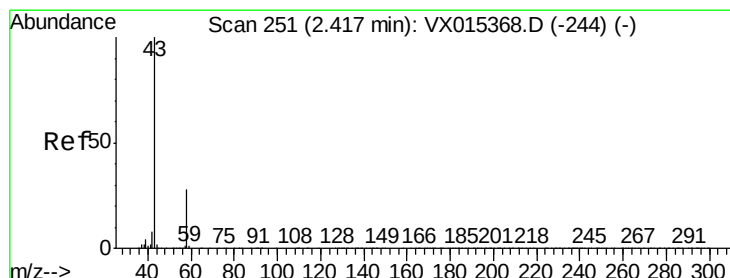
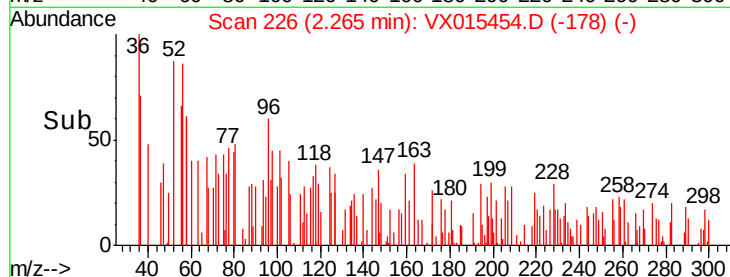
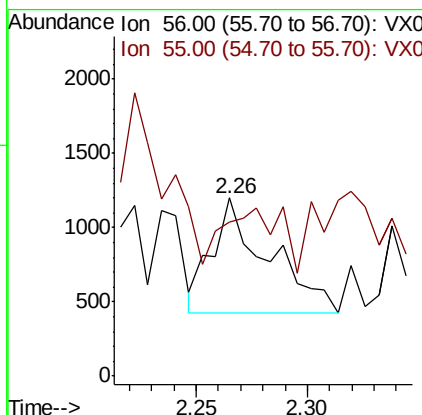
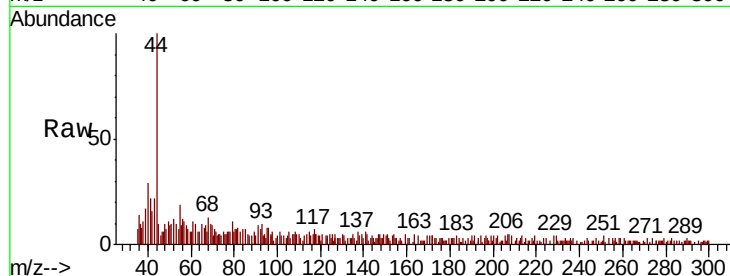




#13
Acrolein
Concen: 0.654 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015454.D
Acq: 31 Mar 2020 15:20

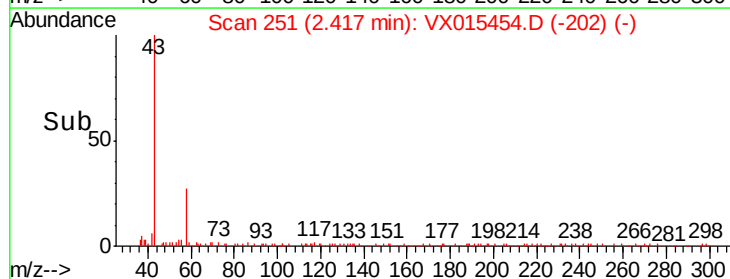
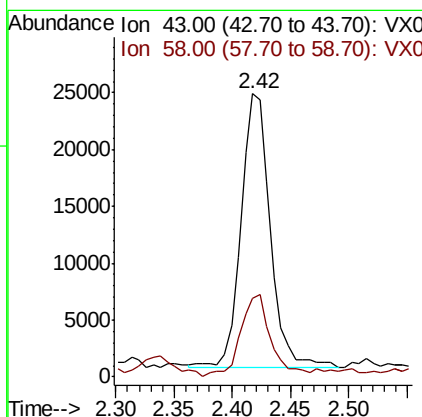
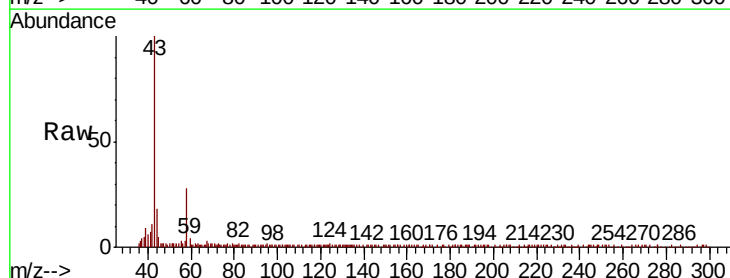
Instrument :
MSVOA_X
ClientSampled :

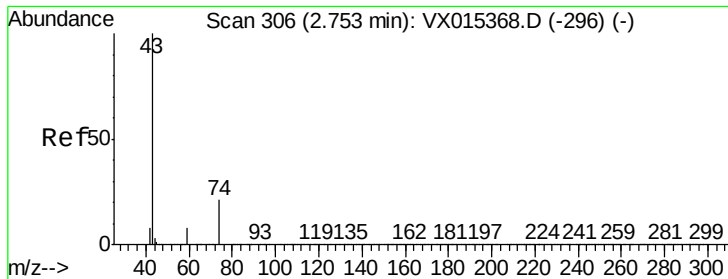
Tot Ion: 56 Resp: 1342
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 6.507 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015454.D
Acq: 31 Mar 2020 15:20

Tgt Ion: 43 Resp: 42059
Ion Ratio Lower Upper
43 100
58 26.8 22.1 33.1

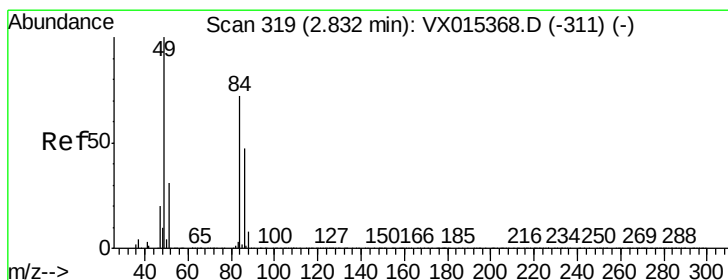
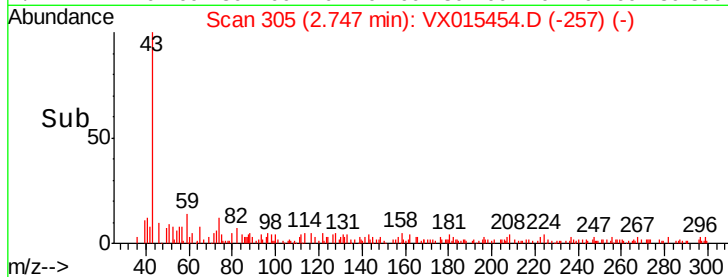
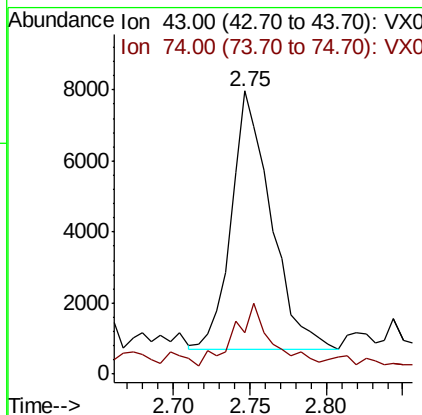
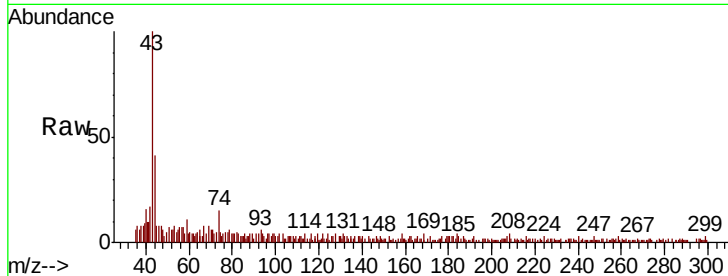




#18
Methvl Acetate
Concen: 0.795 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015454.D
Acq: 31 Mar 2020 15:20

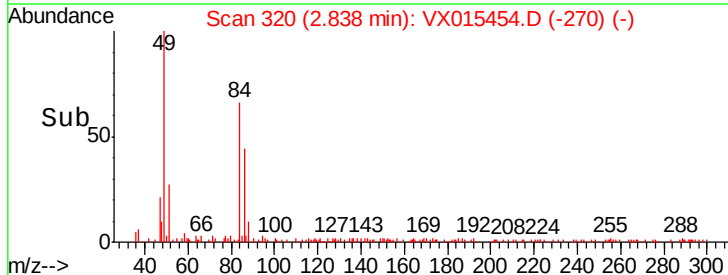
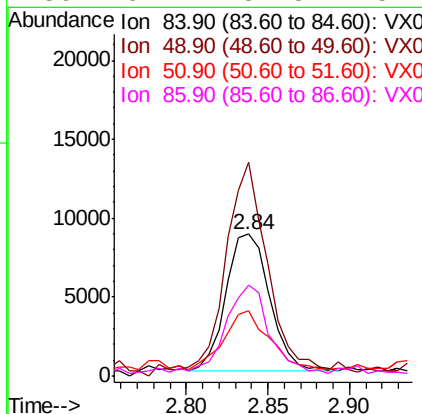
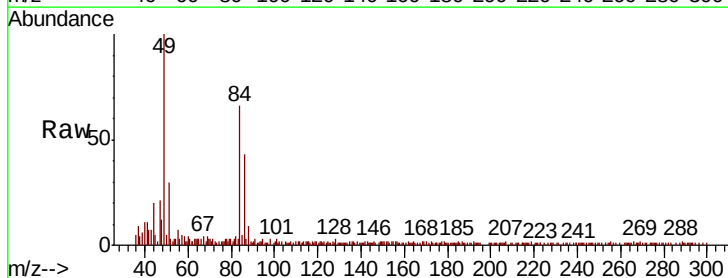
Instrument :
MSVOA_X
ClientSampleId :

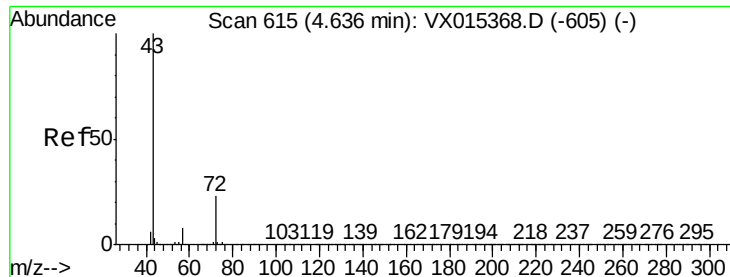
Tot Ion: 43 Resp: 13122
Ion Ratio Lower Upper
43 100
74 22.3 16.5 24.7



#20
Methylene Chloride
Concen: 1.345 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015454.D
Acq: 31 Mar 2020 15:20

Tgt Ion: 84 Resp: 16243
Ion Ratio Lower Upper
84 100
49 150.0 111.3 166.9
51 42.5 34.0 51.0
86 62.4 52.5 78.7





#25

2-Butanone

Concen: 1.565 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015454.D

Acq: 31 Mar 2020 15:20

Instrument :

MSVOA_X

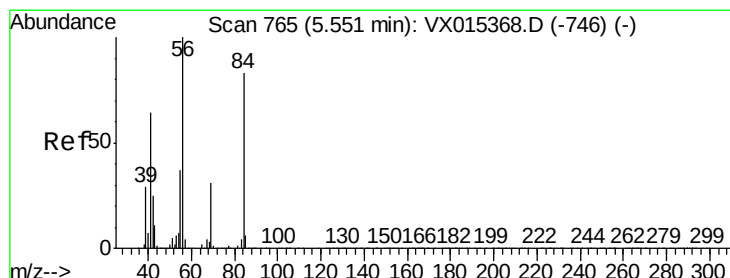
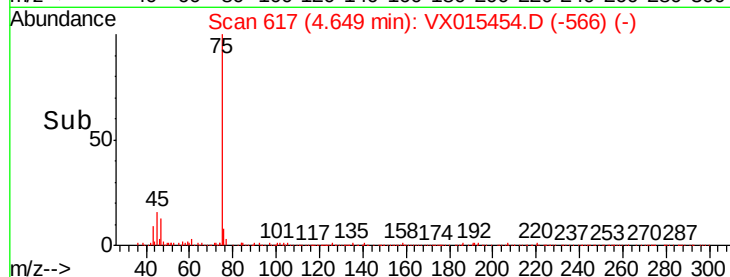
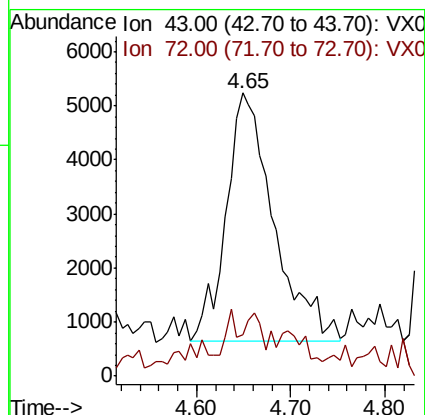
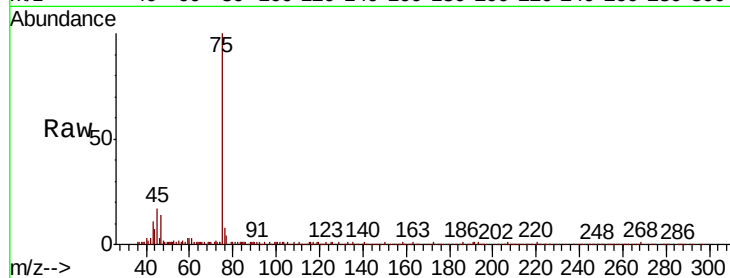
ClientSampleId :

Tot Ion: 43 Resp: 16265

Ion Ratio Lower Upper

43 100

72 10.3 19.0 28.4#



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.08 min

Lab File: VX015454.D

Acq: 31 Mar 2020 15:20

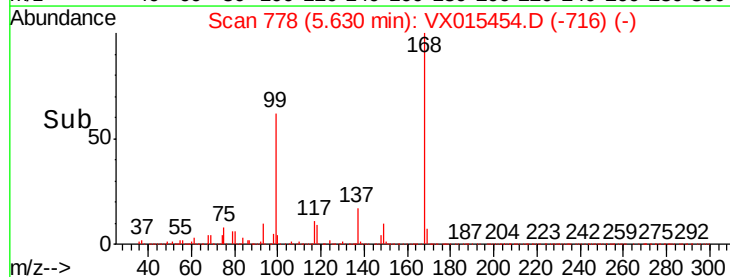
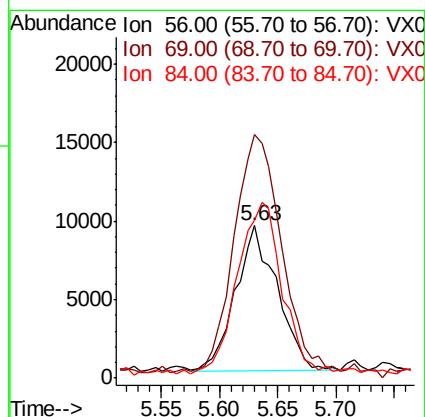
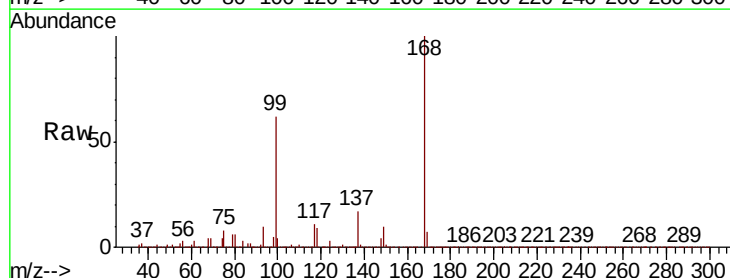
Tgt Ion: 56 Resp: 23223

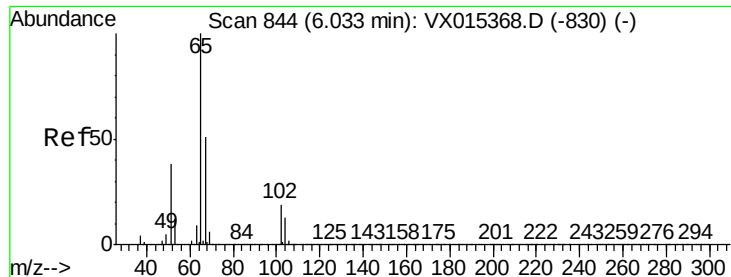
Ion Ratio Lower Upper

56 100

69 164.6 24.6 36.8#

84 106.6 66.1 99.1#

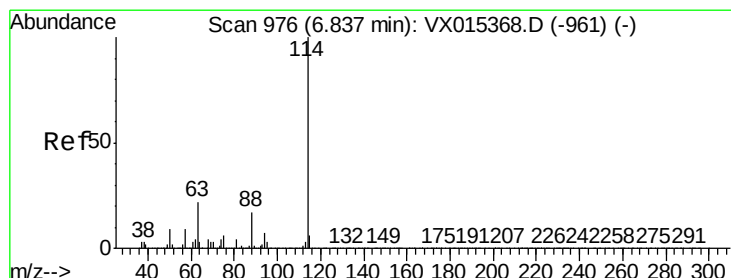
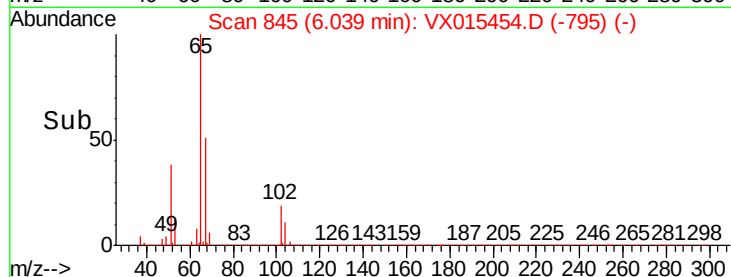
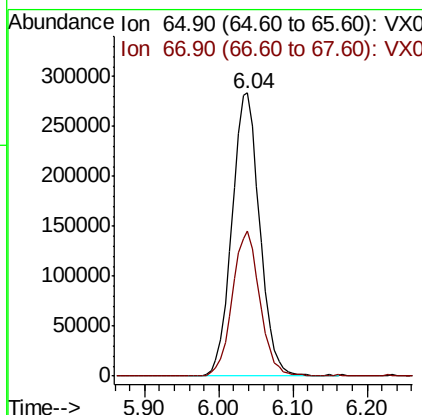
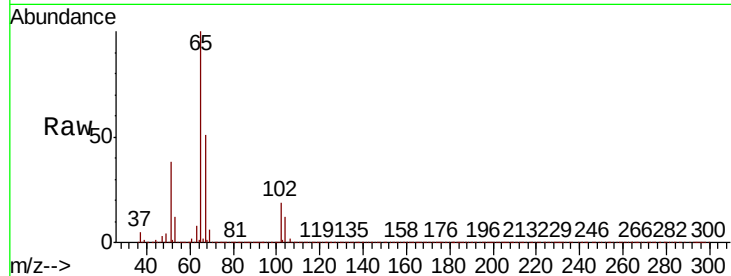




#33
 1,2-Dichloroethane-d4
 Concen: 49.232 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015454.D
 Acq: 31 Mar 2020 15:20

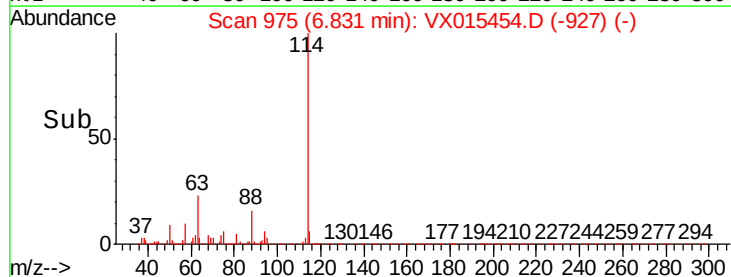
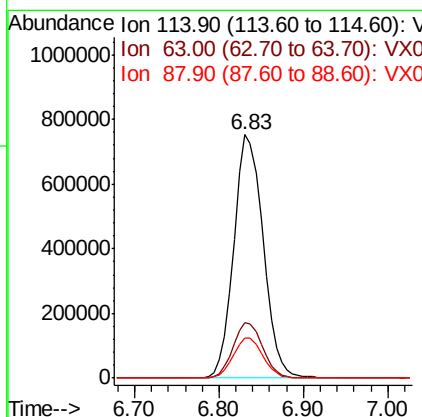
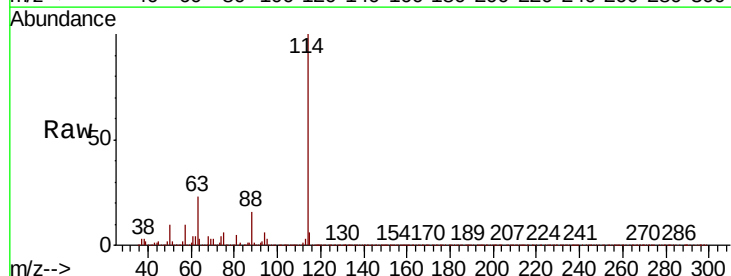
Instrument :
 MSVOA_X
 ClientSampleId :

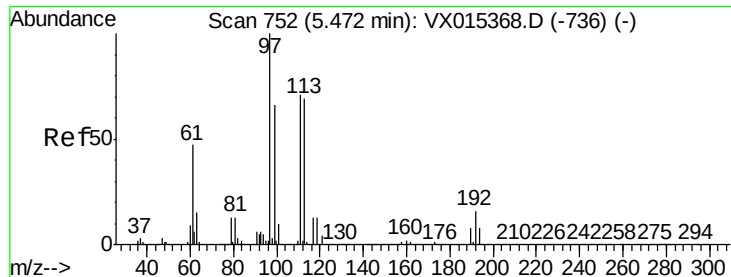
Tot Ion: 65 Resp: 740670
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015454.D
 Acq: 31 Mar 2020 15:20

Tgt Ion: 114 Resp: 1774512
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.2
 88 16.4 0.0 33.8

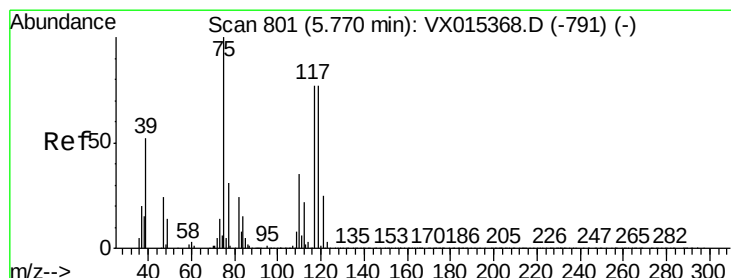
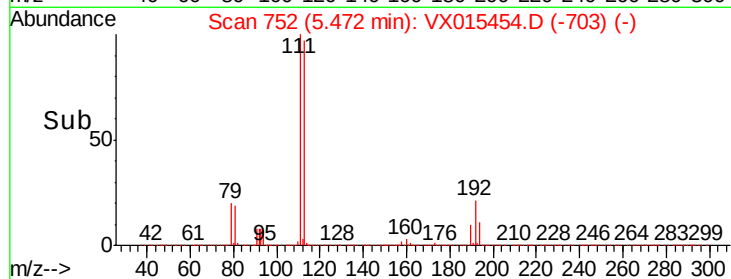
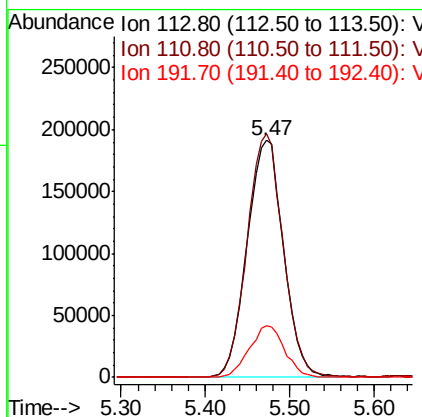
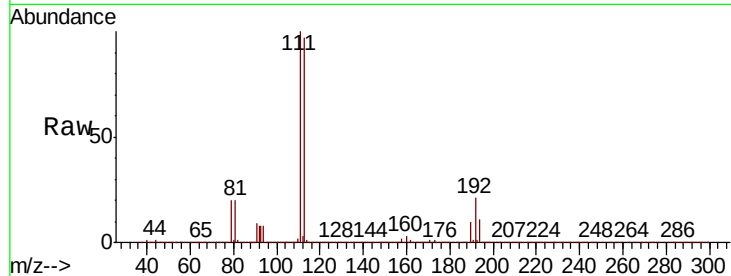




#35
Dibromofluoromethane
Concen: 49.312 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015454.D
Acq: 31 Mar 2020 15:20

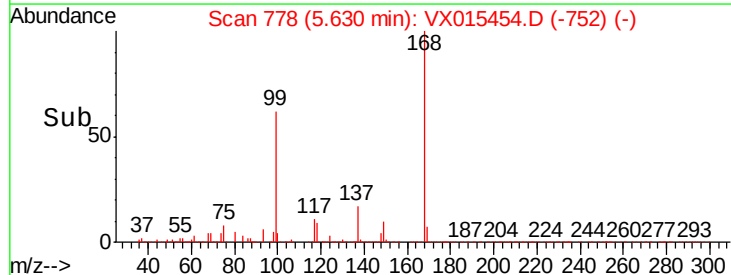
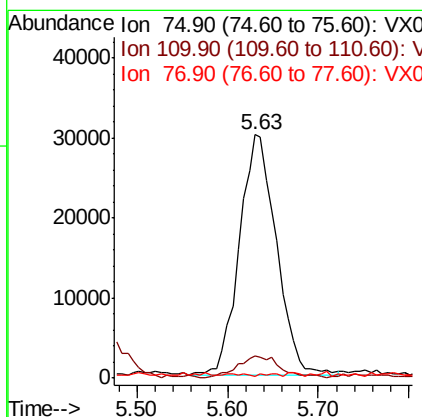
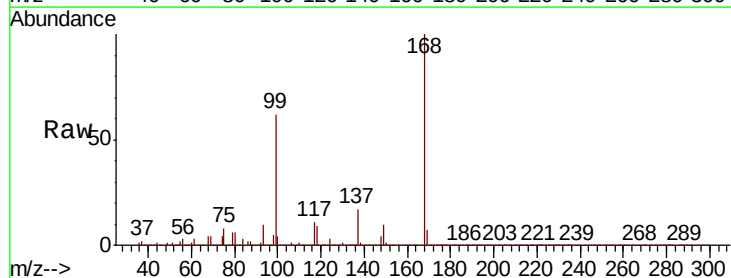
Instrument :
MSVOA_X
ClientSampled :

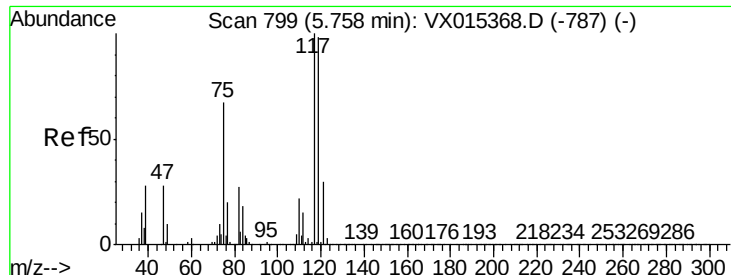
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	21.4	17.8	26.6



#36
1,1-Dichloropropene
Concen: 5.192 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015454.D
Acq: 31 Mar 2020 15:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	17.1	51.3#
77	0.3	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.954 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015454.D

Acq: 31 Mar 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

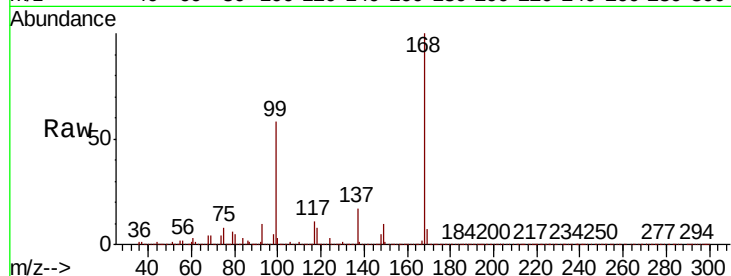
Tot Ion:117 Resp: 105433

Ion Ratio Lower Upper

117 100

119 4.2 78.0 117.0#

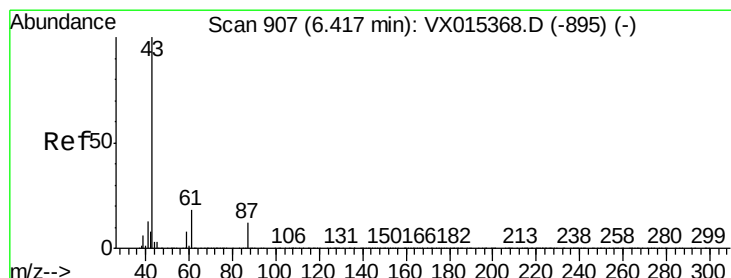
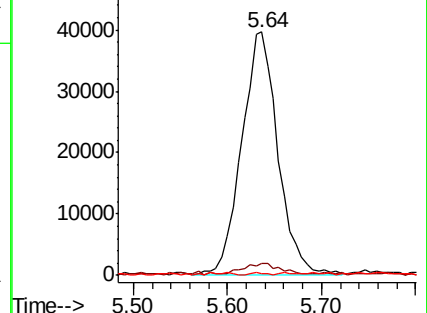
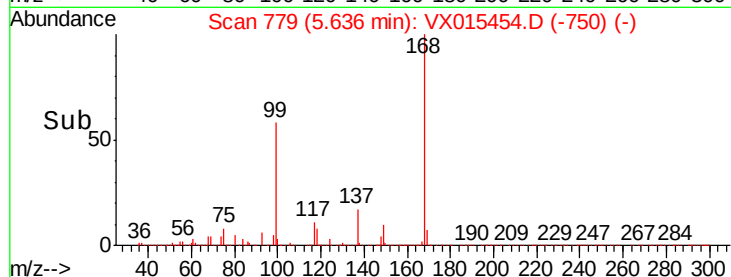
121 0.9 23.8 35.8#



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



#43

Isopropyl Acetate

Concen: 11.235 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015454.D

Acq: 31 Mar 2020 15:20

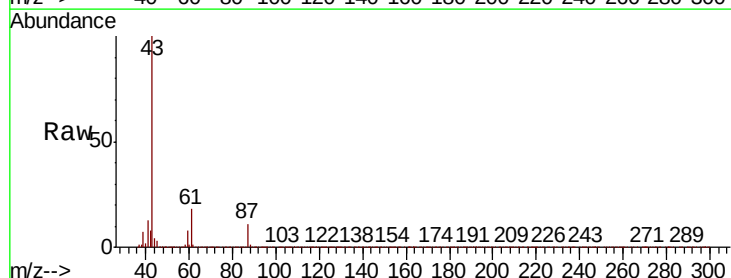
Tgt Ion: 43 Resp: 403764

Ion Ratio Lower Upper

43 100

61 18.3 14.8 22.2

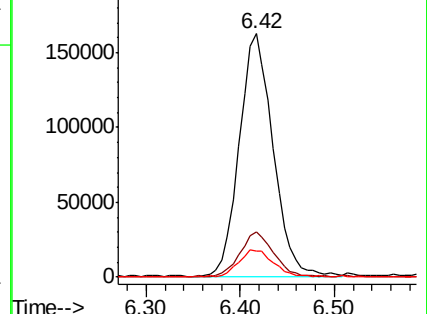
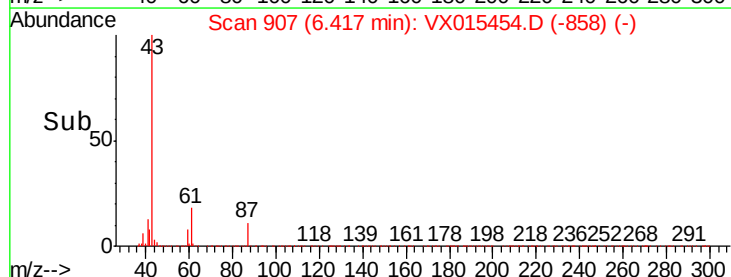
87 11.5 9.4 14.0

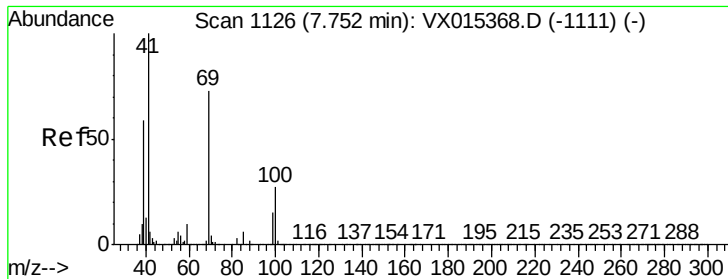


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

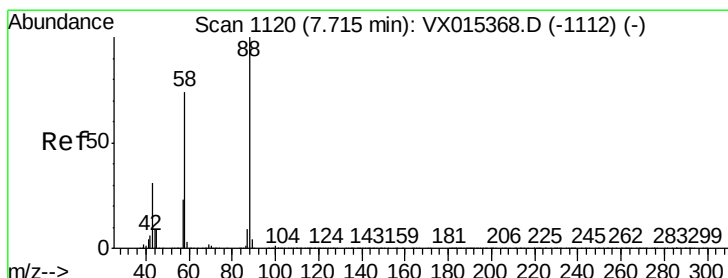
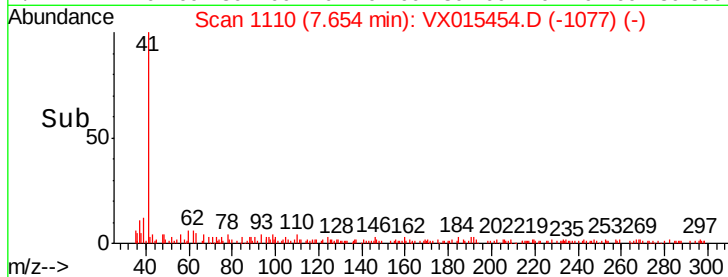
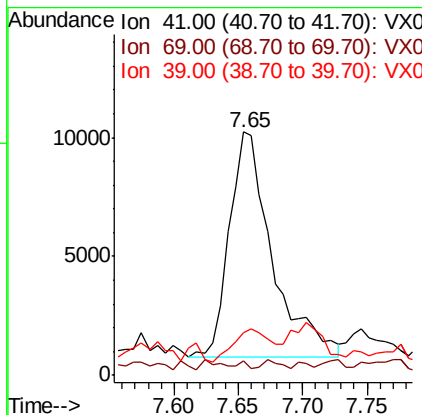
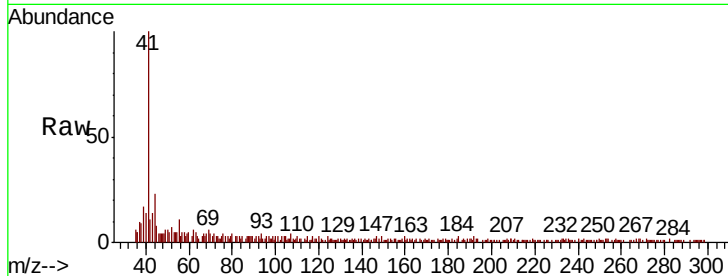




#48
Methvl methacrylate
Concen: 1.229 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015454.D
Acq: 31 Mar 2020 15:20

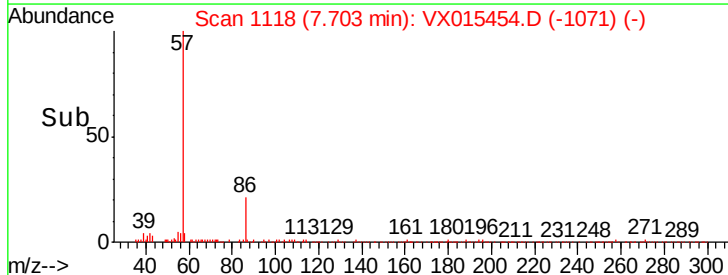
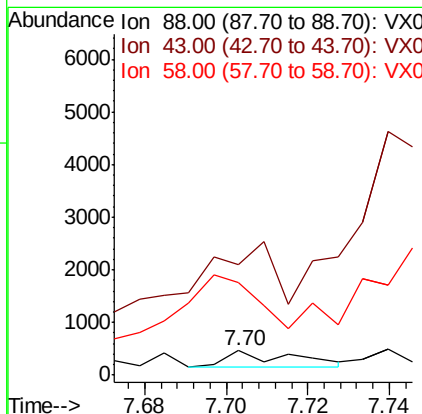
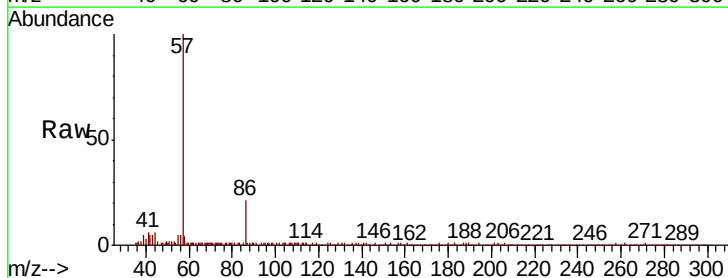
Instrument :
MSVOA_X
ClientSampleId :

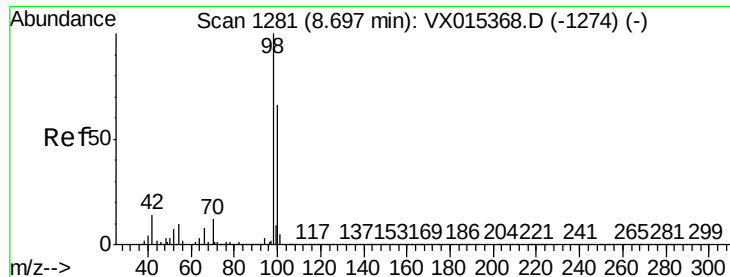
Tot Ion: 41 Resp: 22056
Ion Ratio Lower Upper
41 100
69 1.4 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 1.036 ug/l
RT: 7.70 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VX015454.D
Acq: 31 Mar 2020 15:20

Tgt Ion: 88 Resp: 347
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 539.8 60.6 90.8#

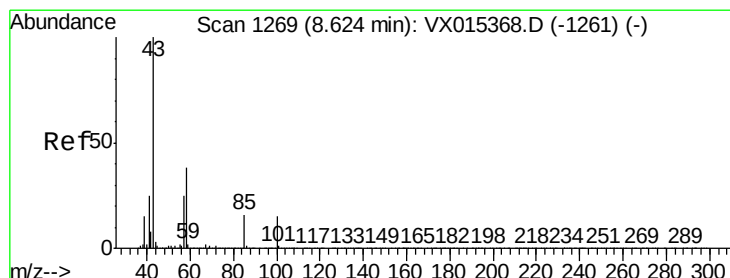
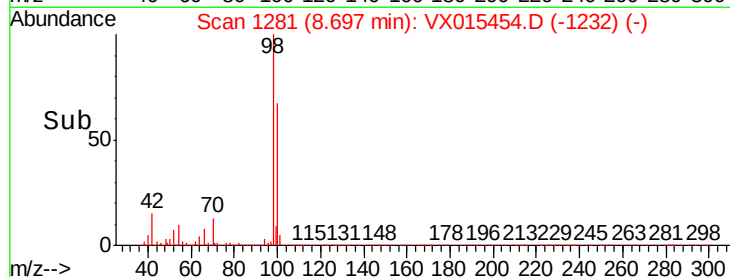
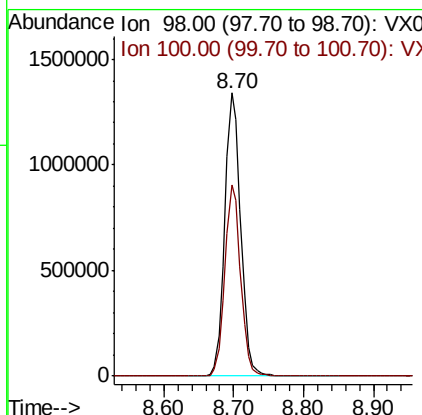
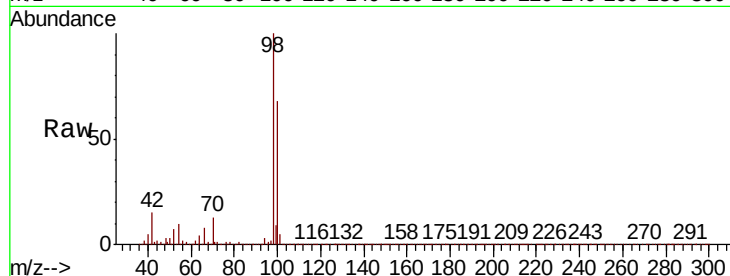




#50
Toluene-d8
Concen: 50.807 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015454.D
Acq: 31 Mar 2020 15:20

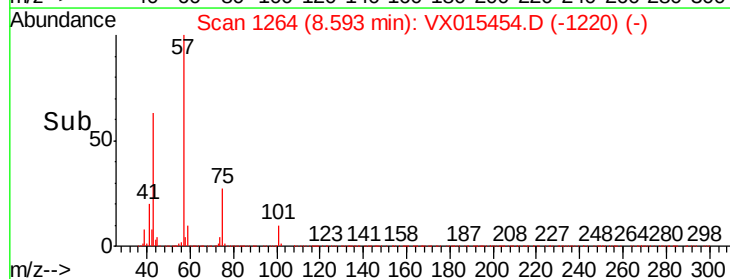
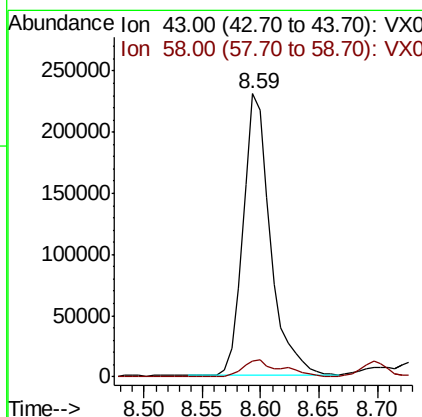
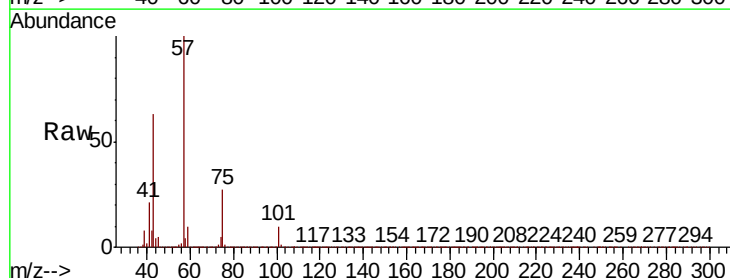
Instrument :
MSVOA_X
ClientSampleId :

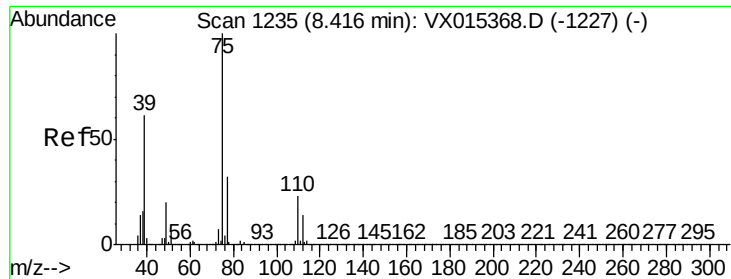
Tot Ion: 98 Resp: 2121839
Ion Ratio Lower Upper
98 100
100 66.9 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 18.547 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015454.D
Acq: 31 Mar 2020 15:20

Tgt Ion: 43 Resp: 377737
Ion Ratio Lower Upper
43 100
58 8.2 29.7 44.5#

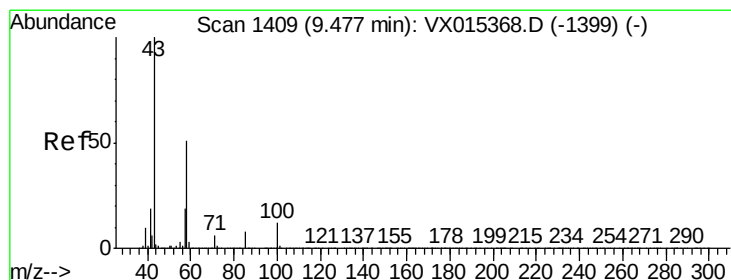
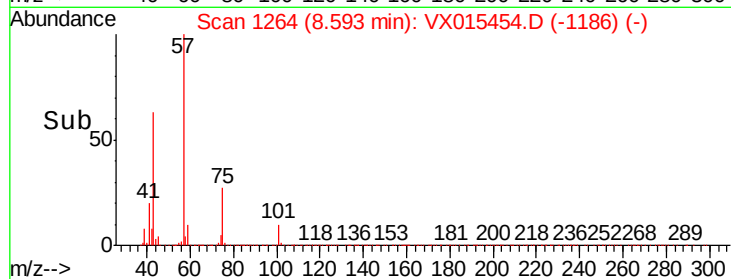
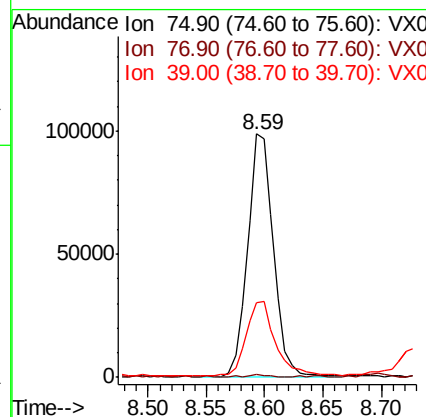
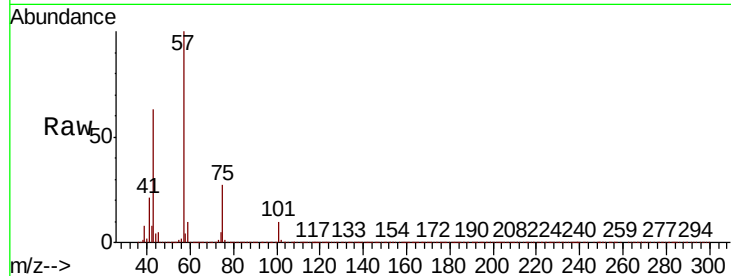




#54
 cis-1,3-Dichloropropene
 Concen: 6.957 ug/l
 RT: 8.59 min Scan# 1264
 Delta R.T. 0.18 min
 Lab File: VX015454.D
 Acq: 31 Mar 2020 15:20

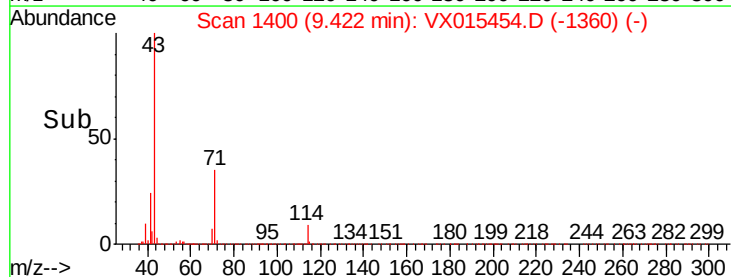
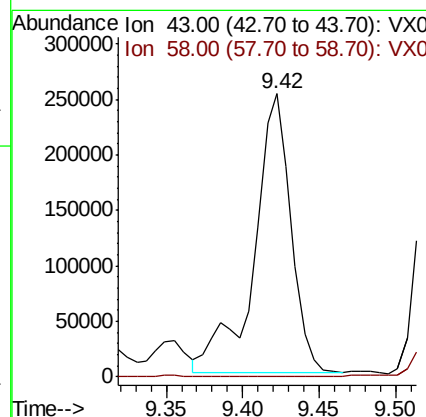
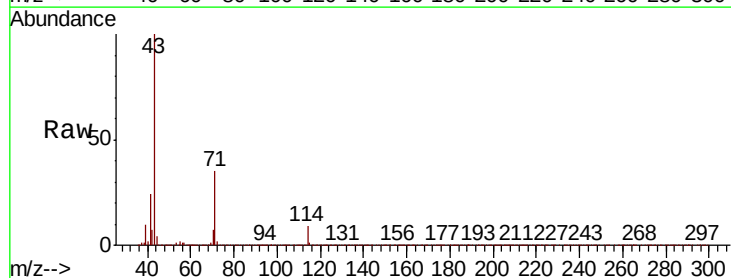
Instrument :
 MSVOA_X
 ClientSampled :

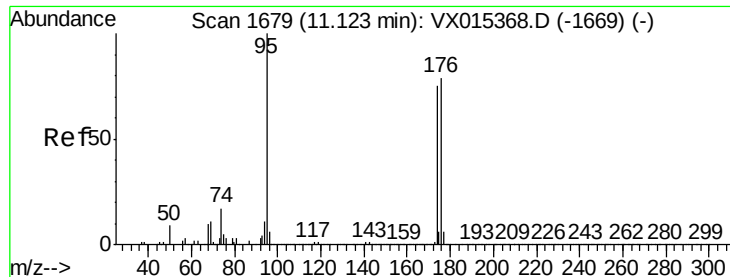
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.8	25.8	38.6#
39	30.0	49.0	73.4#



#59
 2-Hexanone
 Concen: 27.523 ug/l
 RT: 9.42 min Scan# 1400
 Delta R.T. -0.05 min
 Lab File: VX015454.D
 Acq: 31 Mar 2020 15:20

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





#62

4-Bromofluorobenzene

Concen: 54.576 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015454.D

Acq: 31 Mar 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

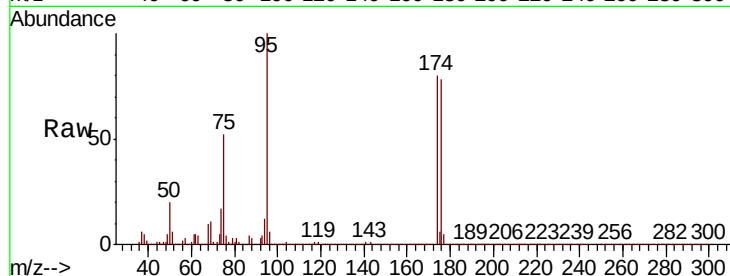
Tot Ion: 95 Resp: 926282

Ion Ratio Lower Upper

95 100

174 77.6 0.0 158.6

176 76.7 0.0 159.0

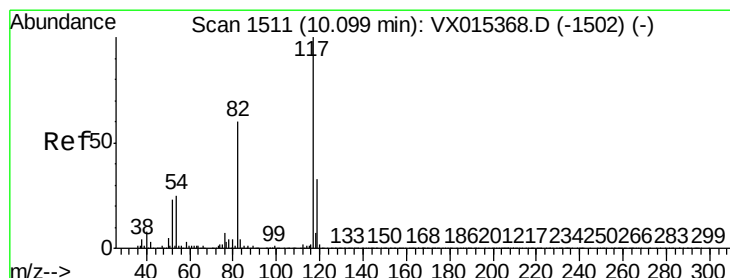
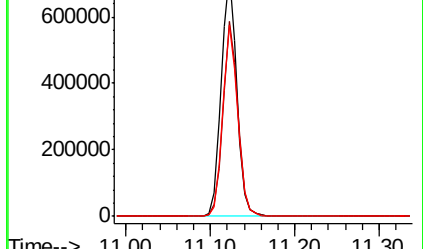
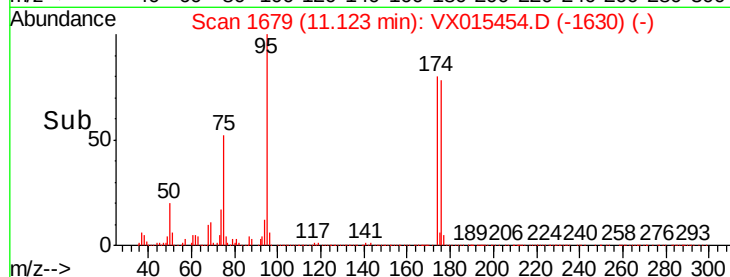


Abundance Ion 94.90 (94.60 to 95.60): VX015368.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015368.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015368.D (-1669) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015454.D

Acq: 31 Mar 2020 15:20

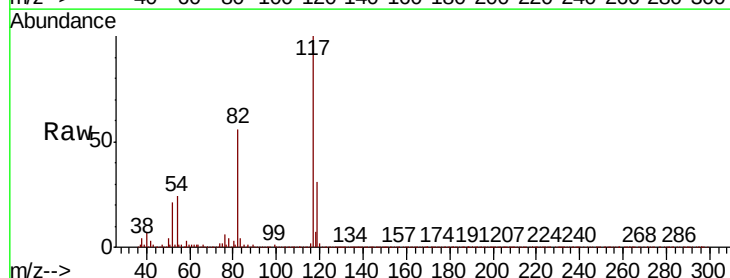
Tgt Ion: 117 Resp: 1709888

Ion Ratio Lower Upper

117 100

82 55.9 47.8 71.8

119 31.2 26.8 40.2

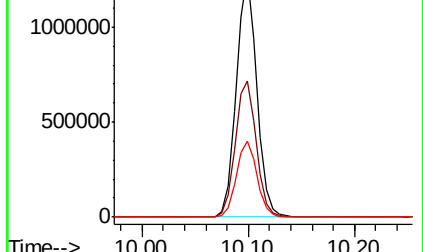
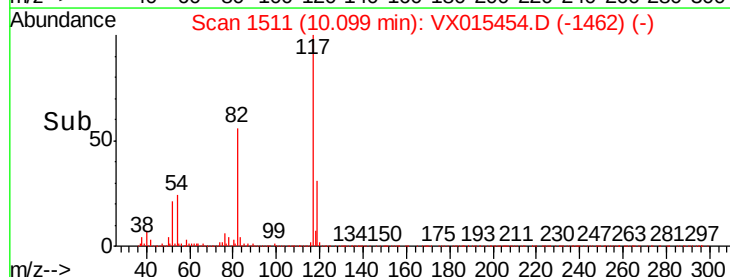


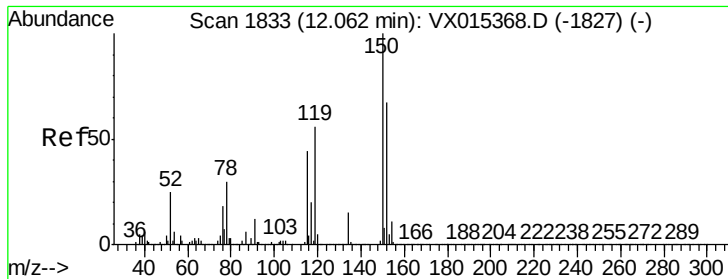
Abundance Ion 116.90 (116.60 to 117.60): VX015368.D (-1502) (-)

Ion 82.00 (81.70 to 82.70): VX015368.D (-1502) (-)

Ion 118.90 (118.60 to 119.60): VX015368.D (-1502) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015454.D

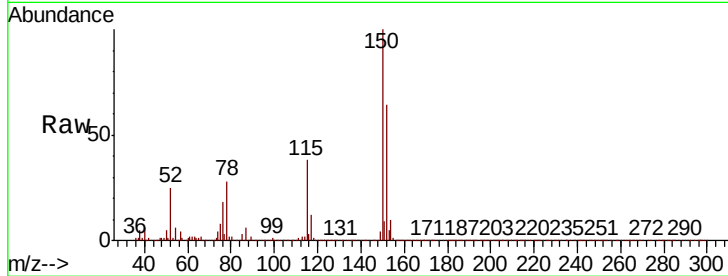
Acq: 31 Mar 2020 15:20

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:	152	Resp:	921108
Ion	Ratio	Lower	Upper
152	100		
115	58.5	39.0	116.9
150	153.2	0.0	340.8

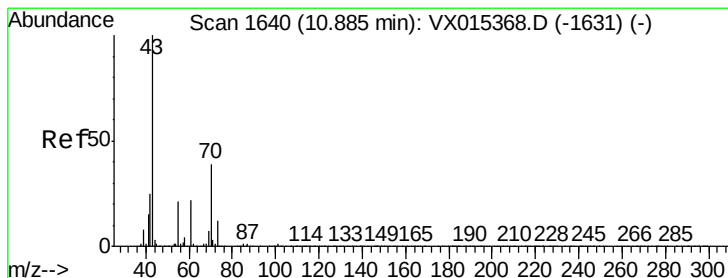
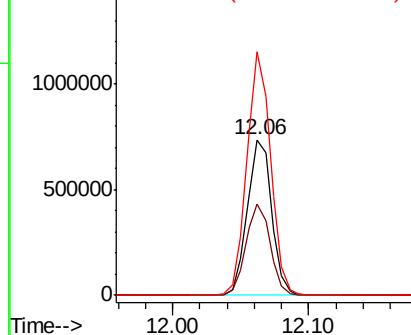
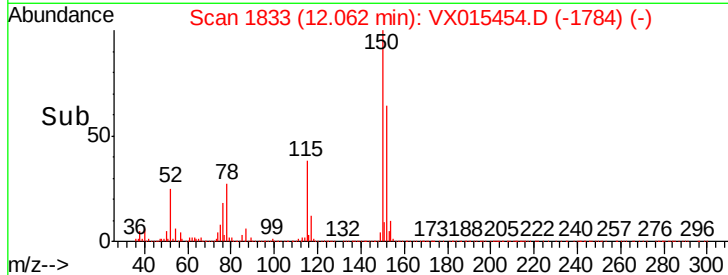


Abundance

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-amyl acetate

Concen: 0.556 ug/l

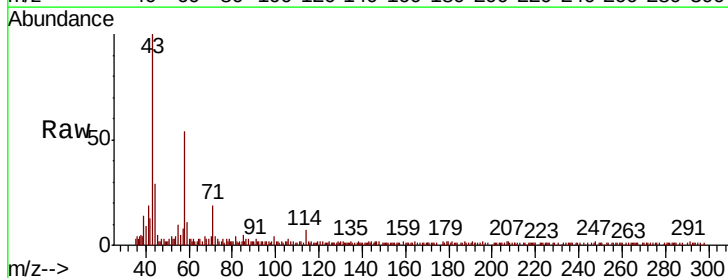
RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015454.D

Acq: 31 Mar 2020 15:20

Tgt Ion:	43	Resp:	18661
Ion	Ratio	Lower	Upper
43	100		
70	7.6	30.2	45.4#
55	8.7	16.8	25.2#
61	0.0	18.2	27.2#



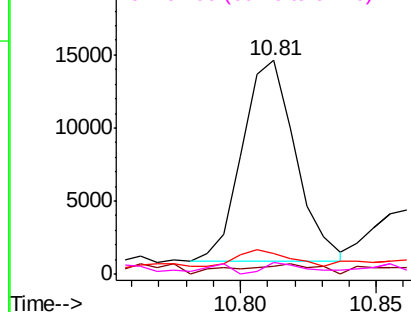
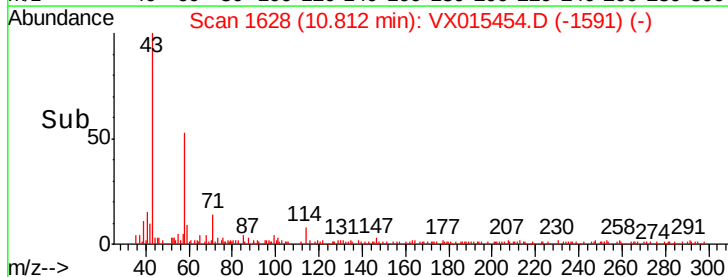
Abundance

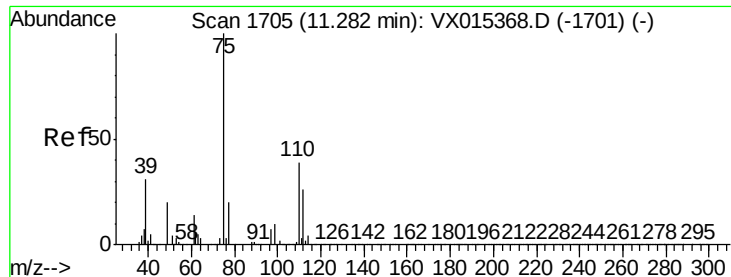
Ion 43.00 (42.70 to 43.70): VX0

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

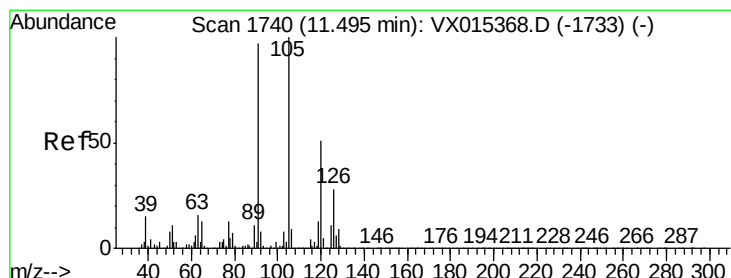
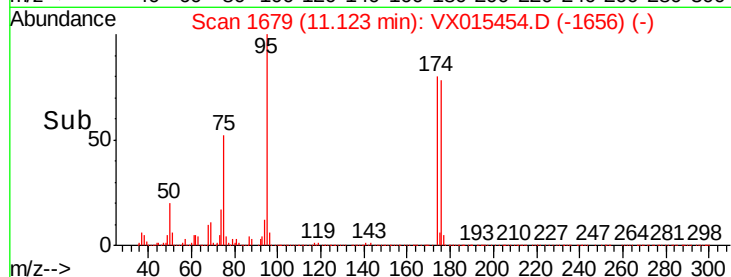
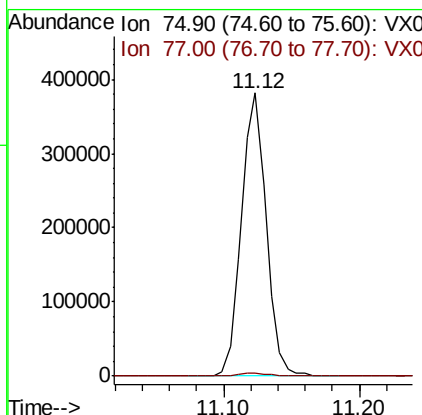
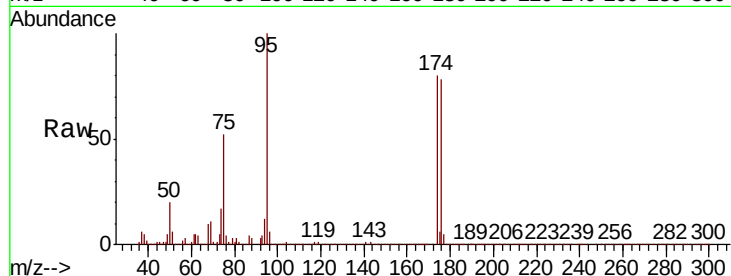




#76
 1,2,3-Trichloropropane
 Concen: 25.484 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015454.D
 Acq: 31 Mar 2020 15:20

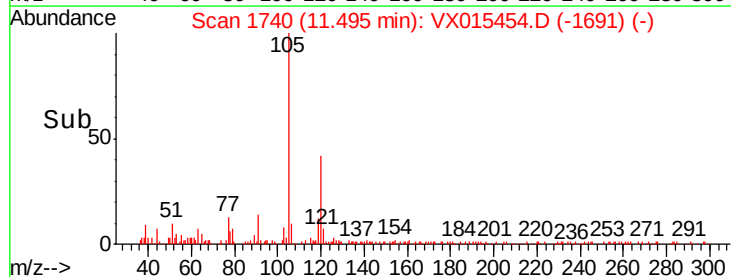
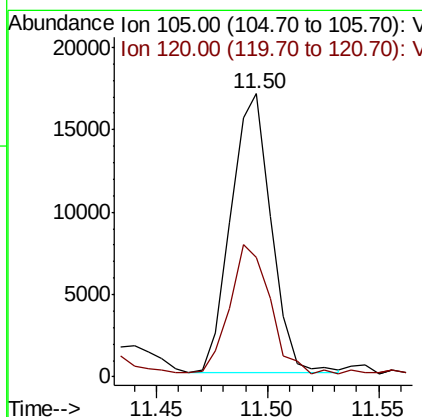
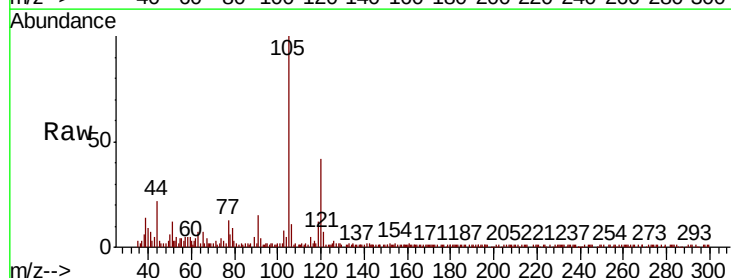
Instrument :
 MSVOA_X
 ClientSampled :

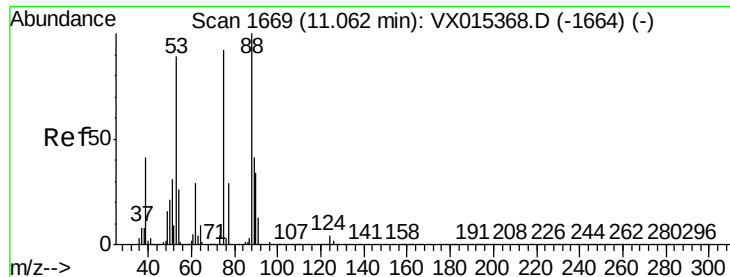
Tot Ion: 75 Resp: 482707
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.2 63.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.414 ug/l
 RT: 11.50 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VX015454.D
 Acq: 31 Mar 2020 15:20

Tgt Ion: 105 Resp: 21340
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.8 74.4





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.147 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015454.D
 Acq: 31 Mar 2020 15:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.2	80.1	120.1#
89	0.0	36.1	54.1#

