

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX033020\
 Data File : VX015435.D
 Acq On : 30 Mar 2020 17:58
 Operator : JC/SP
 Sample : L2022-05 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 31 08:54:01 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

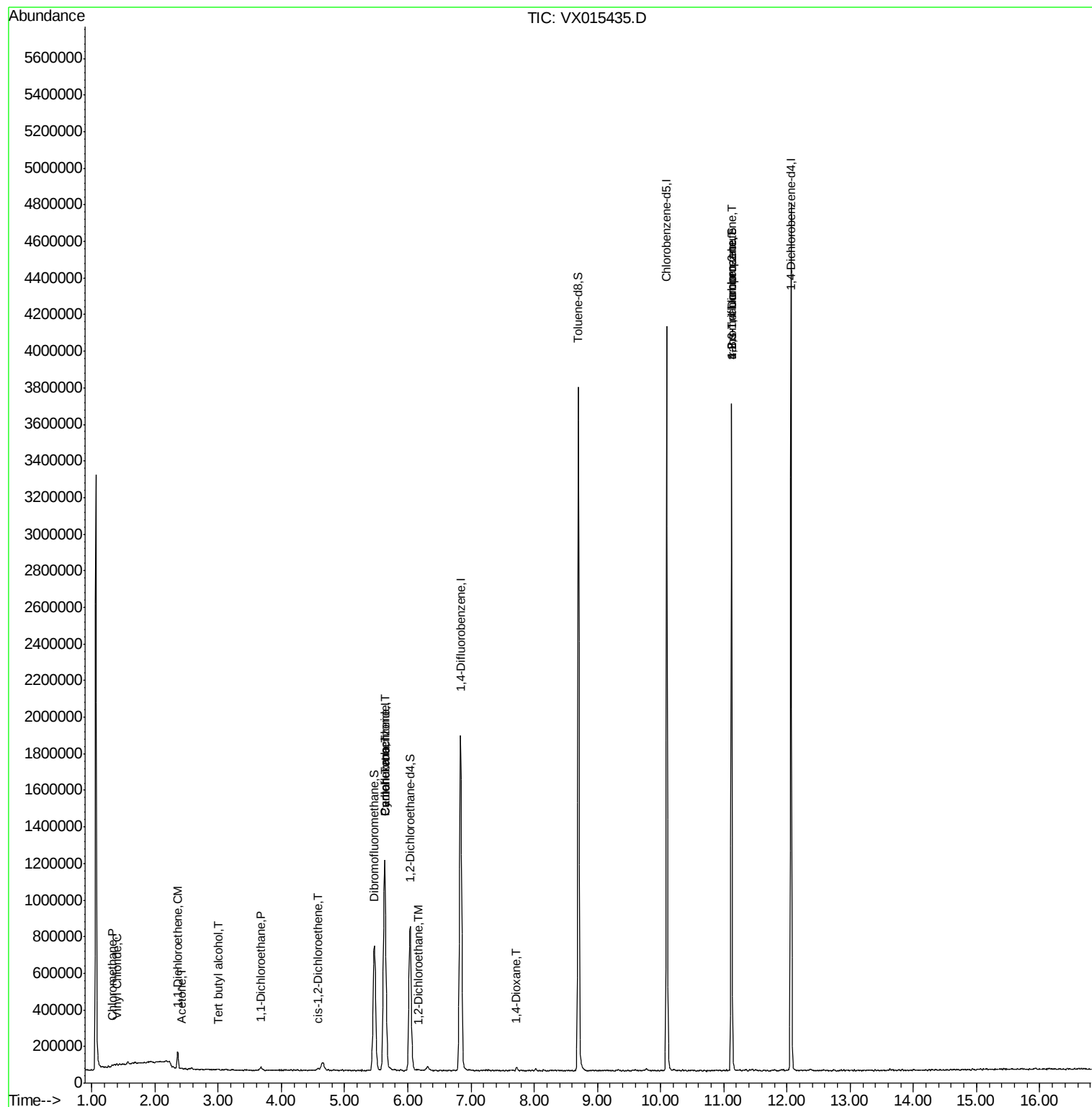
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1119261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1819067	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1766691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	944060	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	765612	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	5.47	113	579764	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.70	98	2214046	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.12	95	961301	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	3261	0.260	ug/l #	51
4) Vinyl Chloride	1.39	62	4099	0.355	ug/l	94
5) Bromomethane	1.62	94	826	Below Cal	#	11
11) Tert butyl alcohol	2.99	59	6115	1.618	ug/l #	80
12) 1,1-Dichloroethene	2.36	96	28795	2.725	ug/l	94
16) Acetone	2.42	43	4875	0.719	ug/l	92
24) 1,1-Dichloroethane	3.67	63	22557	0.979	ug/l	94
27) cis-1,2-Dichloroethene	4.57	96	6499	0.479	ug/l	85
31) Cyclohexane	5.64	56	23732	1.188	ug/l #	1
38) Carbon Tetrachloride	5.64	117	109563	6.035	ug/l #	16
42) 1,2-Dichloroethane	6.17	62	5180	0.263	ug/l #	76
49) 1,4-Dioxane	7.72	88	13836	40.306	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	499011	25.704	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	499011	61.675	ug/l #	10

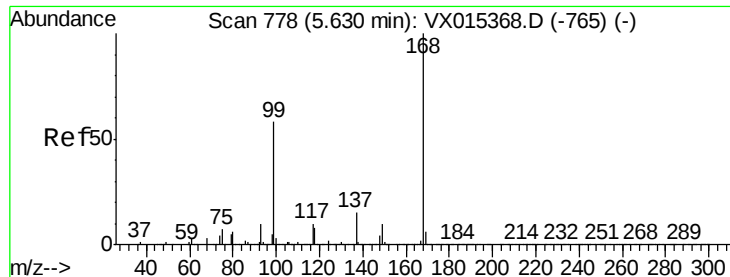
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015435.D

Acq: 30 Mar 2020 17:58

Instrument :

MSVOA_X

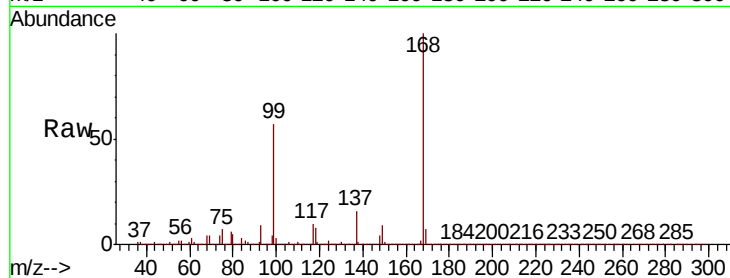
ClientSampleId :

Tot Ion:168 Resp: 1119261

Ion Ratio Lower Upper

168 100

99 56.9 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

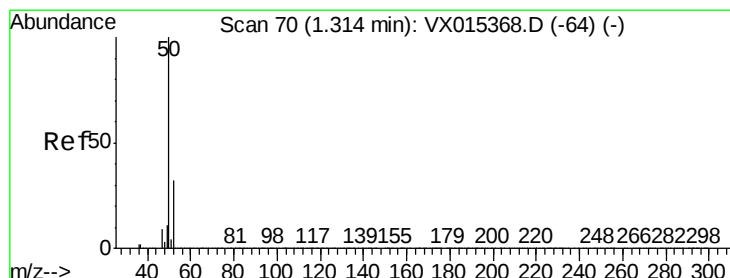
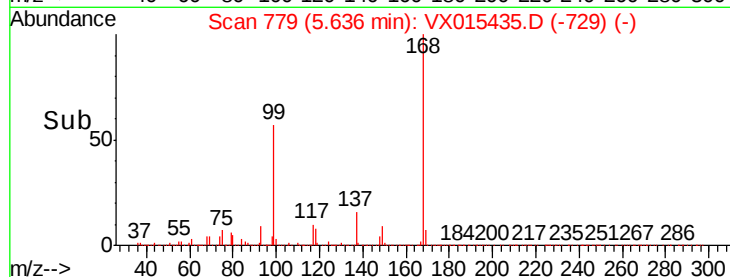
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.260 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015435.D

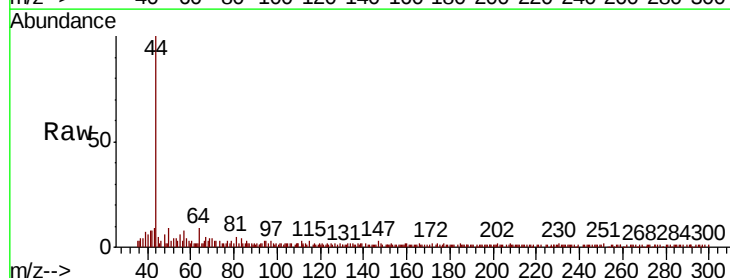
Acq: 30 Mar 2020 17:58

Tgt Ion: 50 Resp: 3261

Ion Ratio Lower Upper

50 100

52 4.7 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

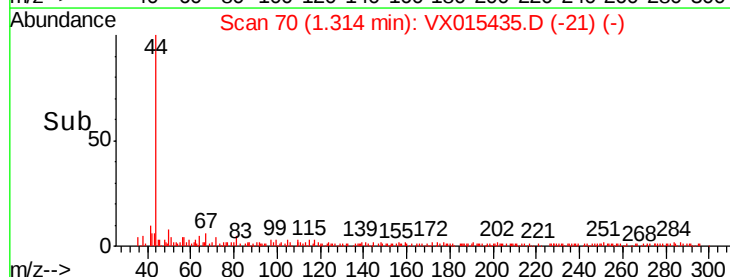
1500

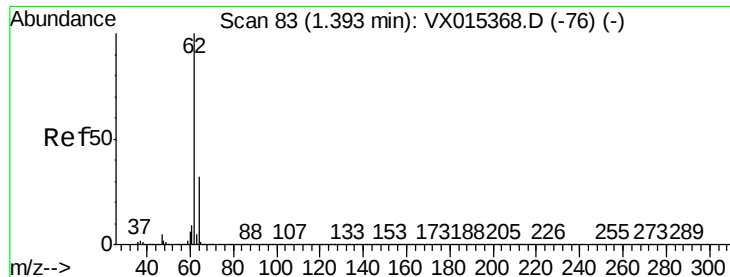
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 0.355 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015435.D

Acq: 30 Mar 2020 17:58

Instrument :

MSVOA_X

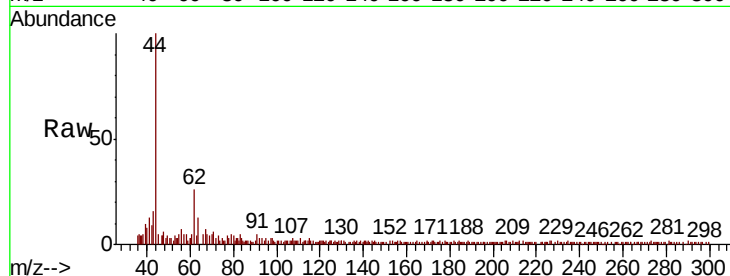
ClientSampleId :

Tot Ion: 62 Resp: 4099

Ion Ratio Lower Upper

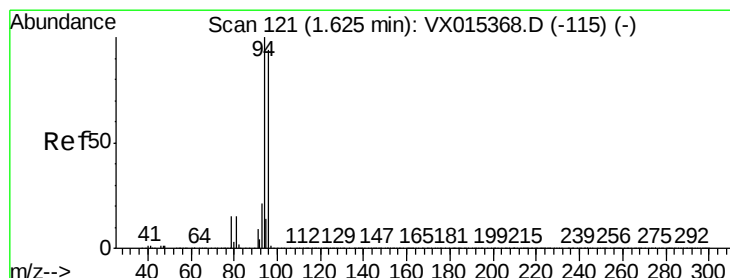
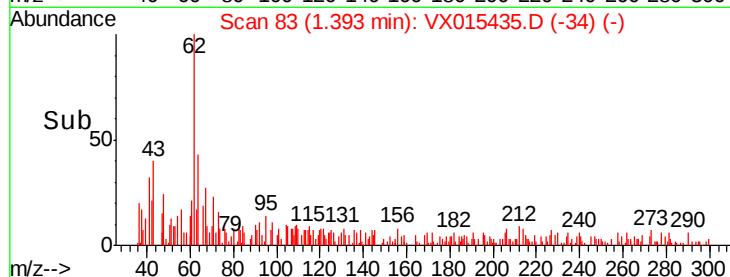
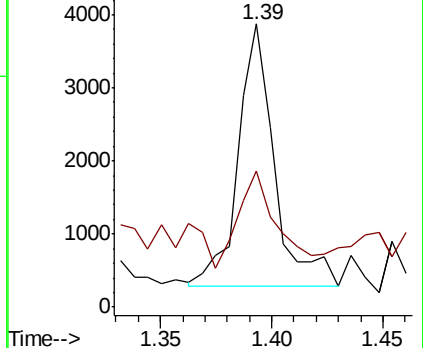
62 100

64 29.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015435.D

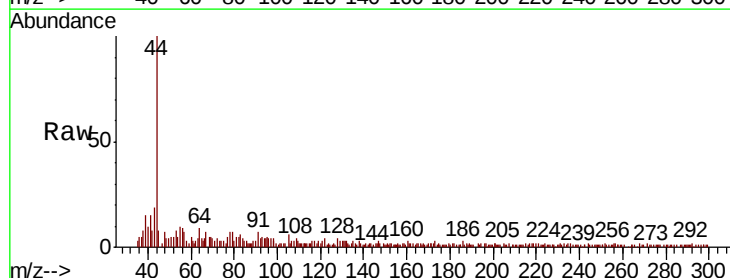
Acq: 30 Mar 2020 17:58

Tgt Ion: 94 Resp: 826

Ion Ratio Lower Upper

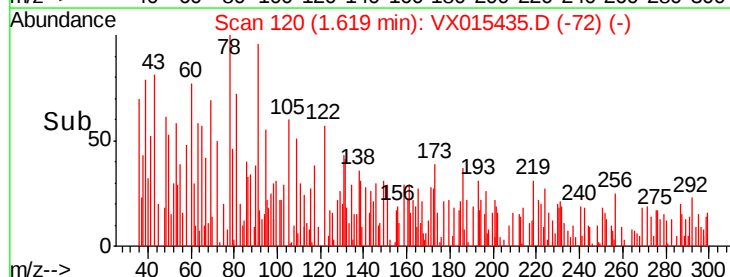
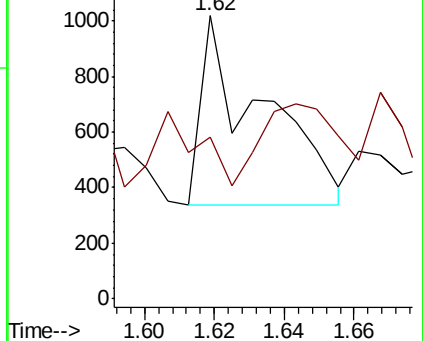
94 100

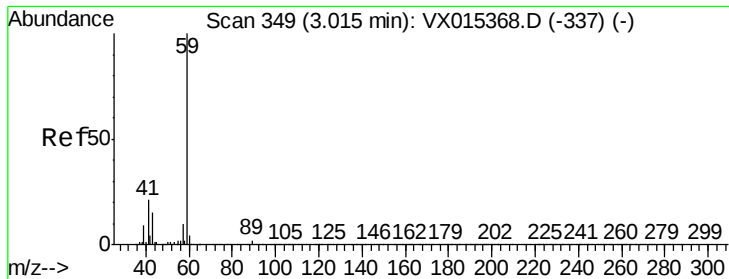
96 7.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

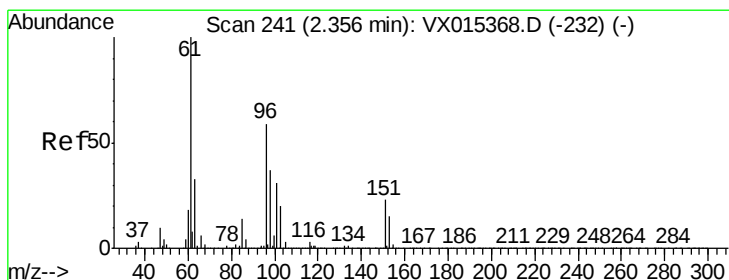
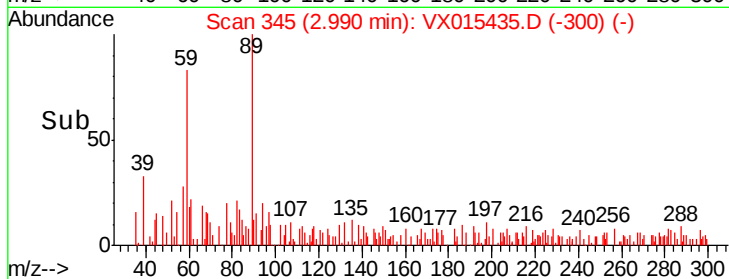
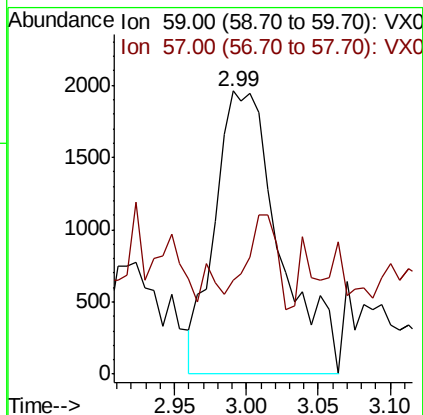
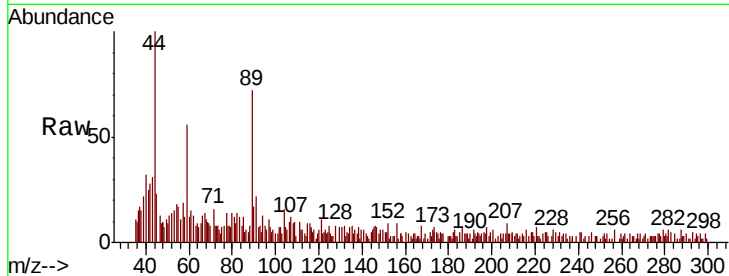




#11
Tert butyl alcohol
Concen: 1.618 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015435.D
Acq: 30 Mar 2020 17:58

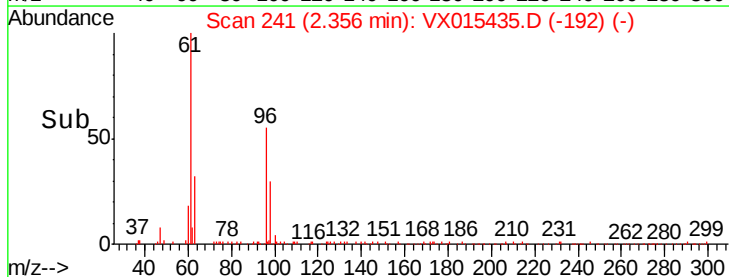
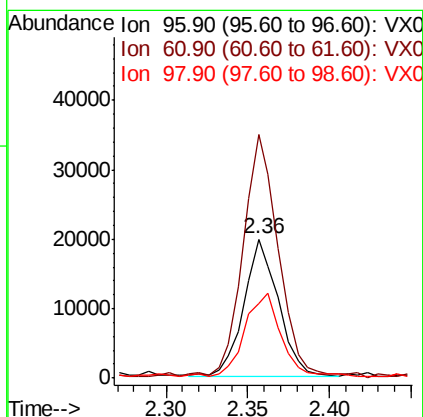
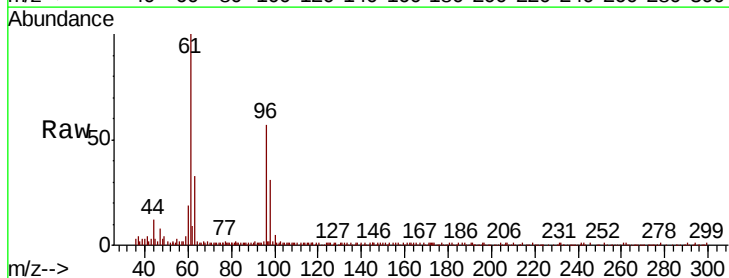
Instrument :
MSVOA_X
ClientSampleId :

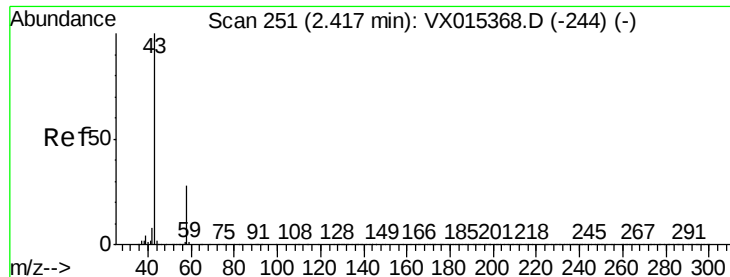
Tot Ion: 59 Resp: 6115
Ion Ratio Lower Upper
59 100
57 2.6 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 2.725 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX015435.D
Acq: 30 Mar 2020 17:58

Tgt Ion: 96 Resp: 28795
Ion Ratio Lower Upper
96 100
61 175.2 135.7 203.5
98 53.3 50.6 75.8

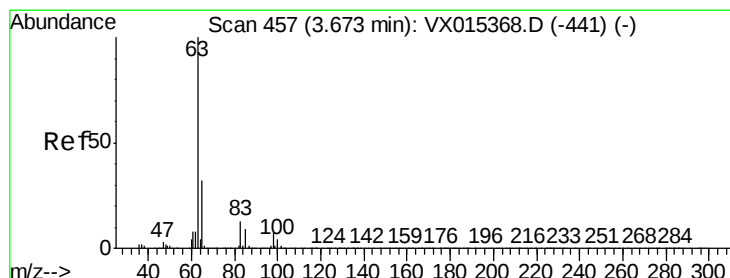
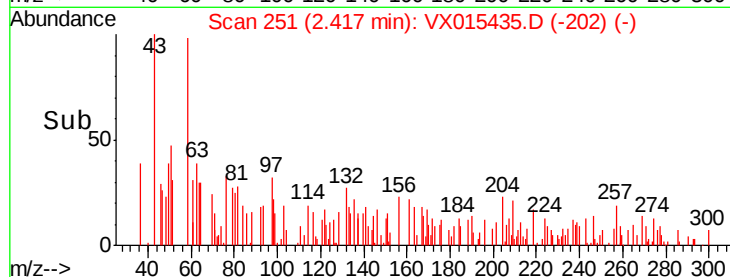
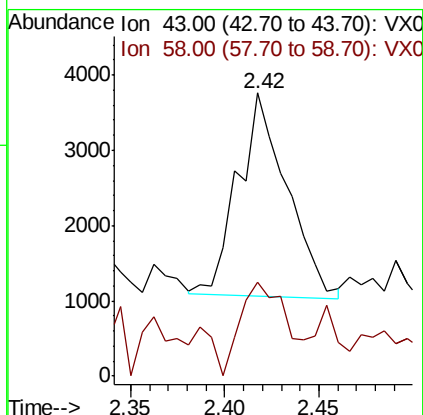
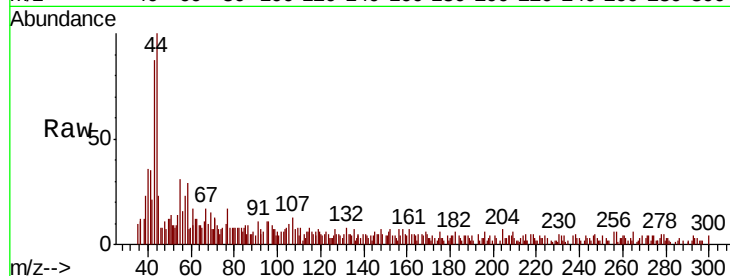




#16
Acetone
Concen: 0.719 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015435.D
Acq: 30 Mar 2020 17:58

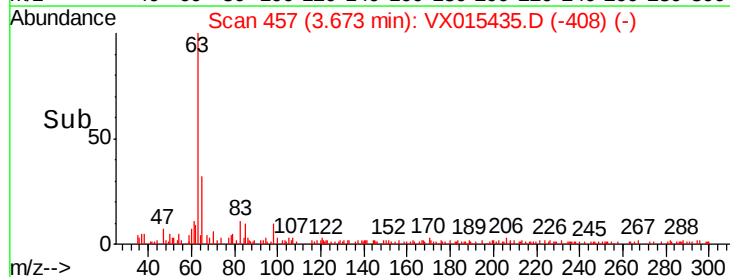
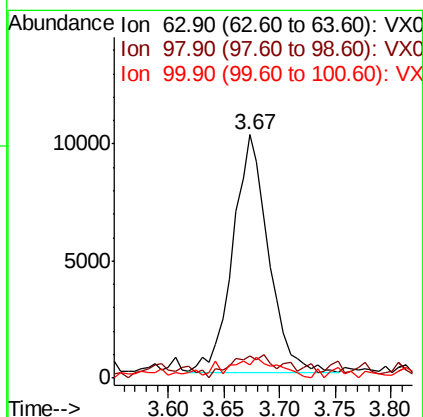
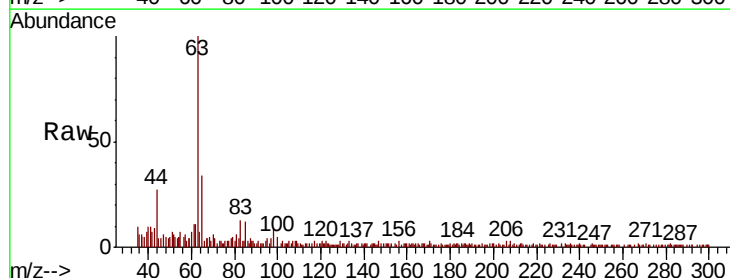
Instrument :
MSVOA_X
ClientSampleId :

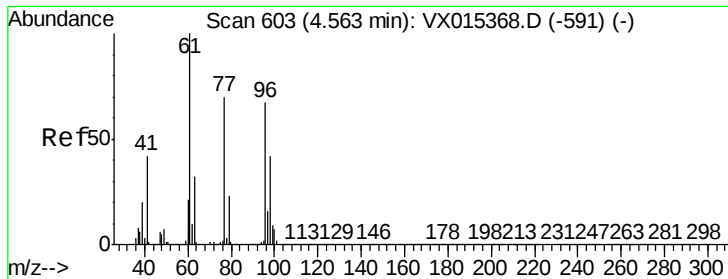
Tot Ion: 43 Resp: 4875
Ion Ratio Lower Upper
43 100
58 31.8 22.1 33.1



#24
1,1-Dichloroethane
Concen: 0.979 ug/l
RT: 3.67 min Scan# 457
Delta R.T. 0.00 min
Lab File: VX015435.D
Acq: 30 Mar 2020 17:58

Tgt Ion: 63 Resp: 22557
Ion Ratio Lower Upper
63 100
98 4.2 3.3 9.8
100 3.0 2.1 6.5



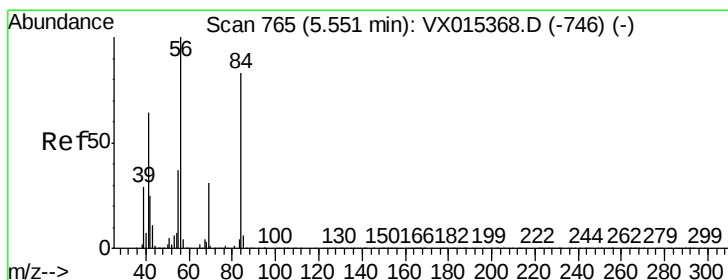
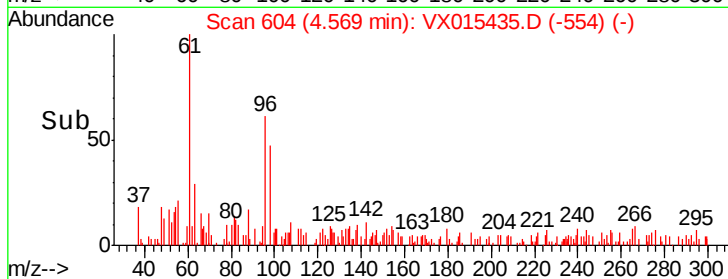
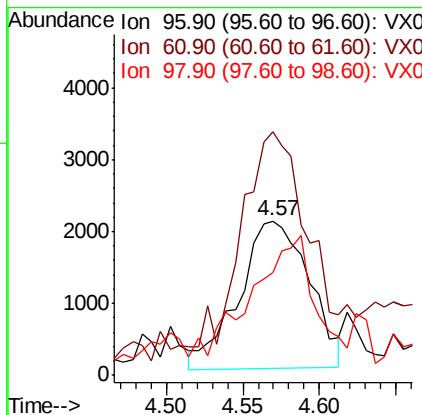
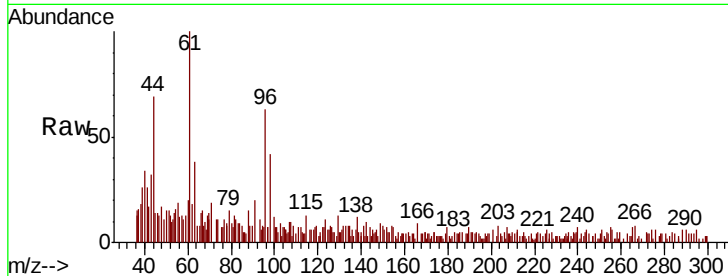


#27

cis-1,2-Dichloroethene
 Concen: 0.479 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VX015435.D
 Acq: 30 Mar 2020 17:58

Instrument :
 MSVOA_X
 ClientSampleId :

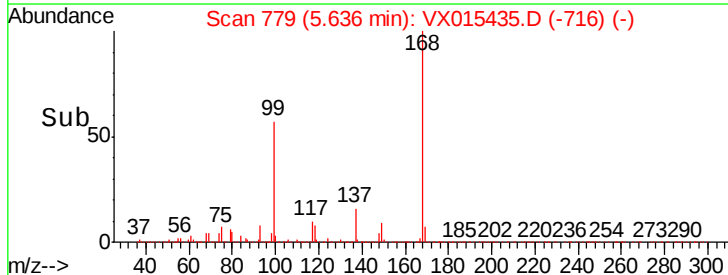
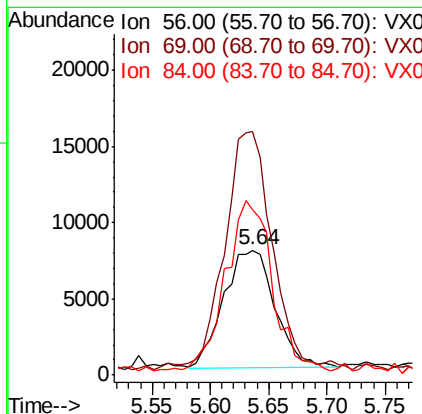
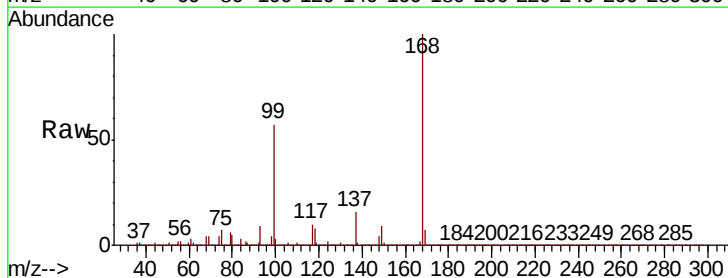
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	308.4
98	75.2	0.0	129.2

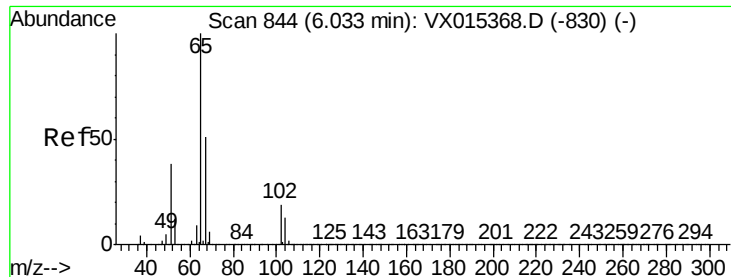


#31

Cyclohexane
 Concen: 1.188 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. 0.09 min
 Lab File: VX015435.D
 Acq: 30 Mar 2020 17:58

Tgt Ion	Ratio	Lower	Upper
56	100		
69	199.9	24.6	36.8#
84	136.6	66.1	99.1#





#33

1,2-Dichloroethane-d4

Concen: 48.500 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015435.D

Acq: 30 Mar 2020 17:58

Instrument :

MSVOA_X

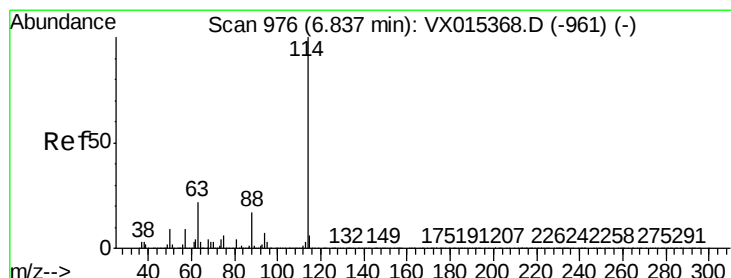
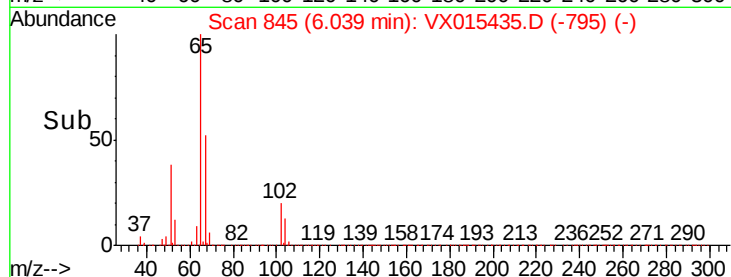
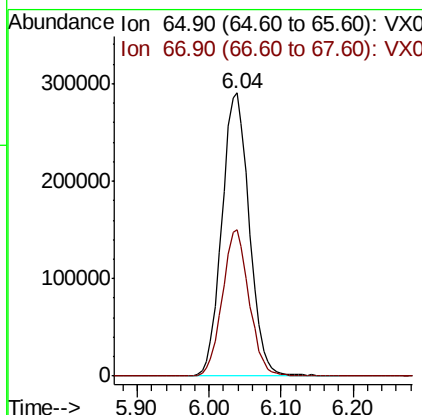
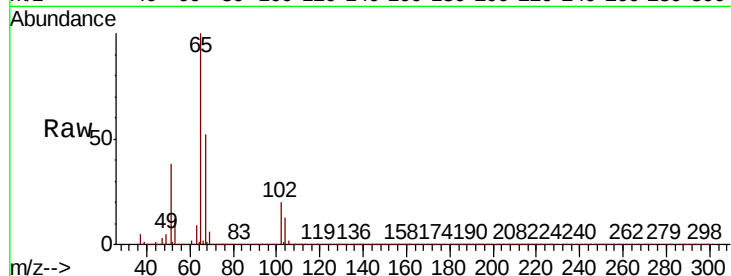
ClientSampleId :

Tot Ion: 65 Resp: 765612

Ion Ratio Lower Upper

65 100

67 50.3 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: VX015435.D

Acq: 30 Mar 2020 17:58

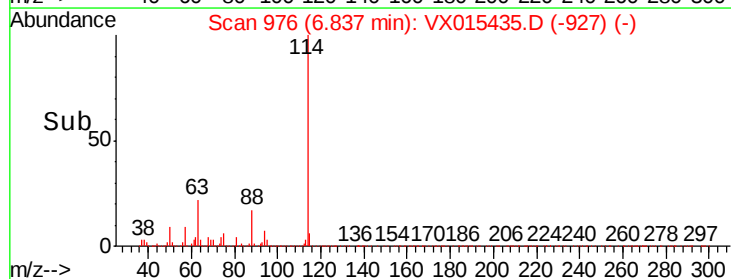
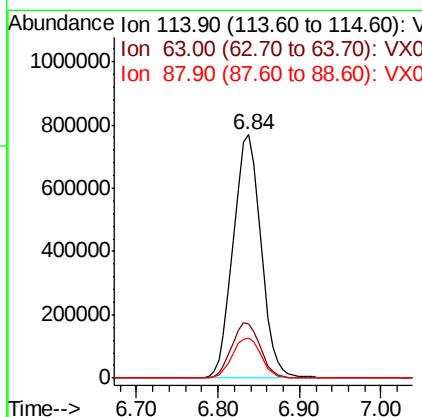
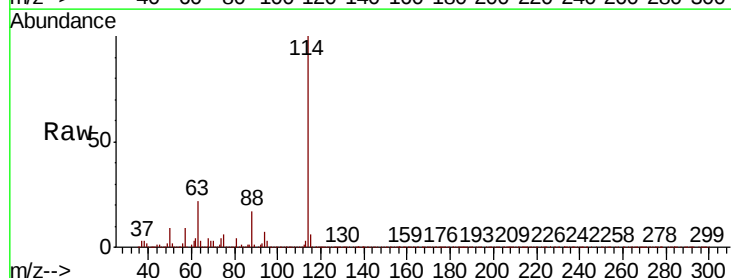
Tgt Ion: 114 Resp: 1819067

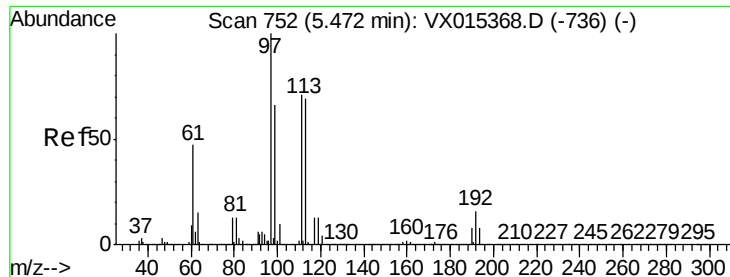
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

88 16.7 0.0 33.8

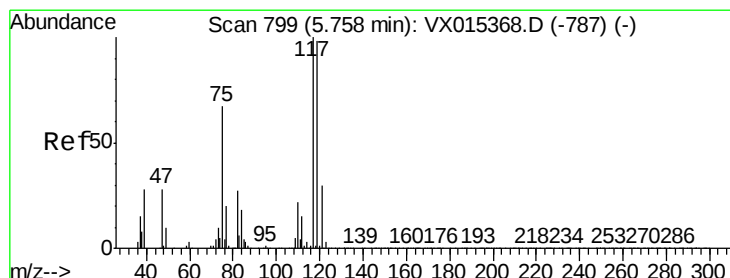
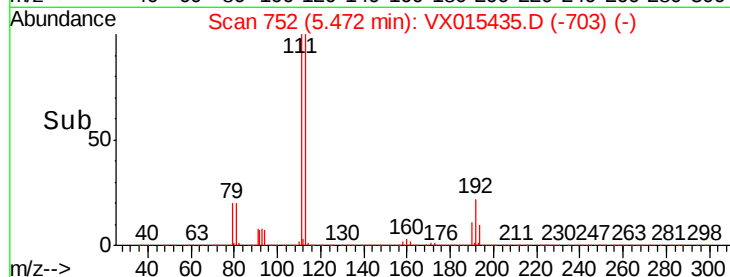
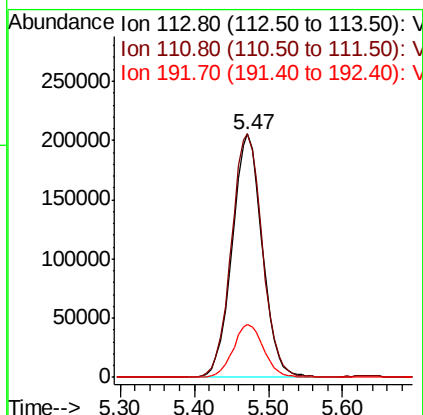
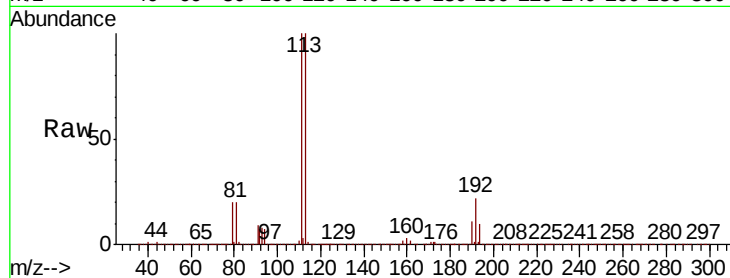




#35
Dibromofluoromethane
Concen: 49.859 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015435.D
Acq: 30 Mar 2020 17:58

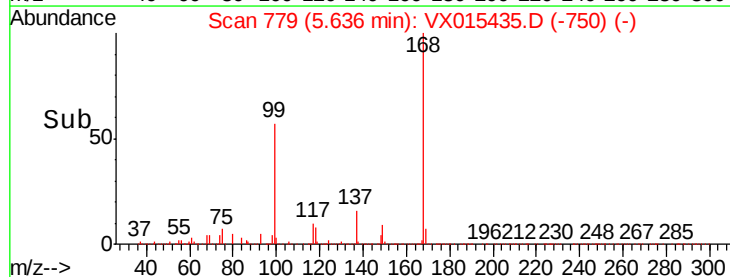
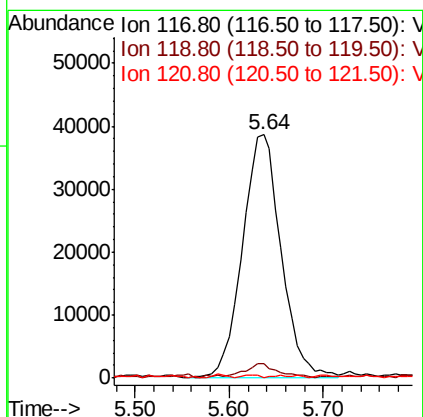
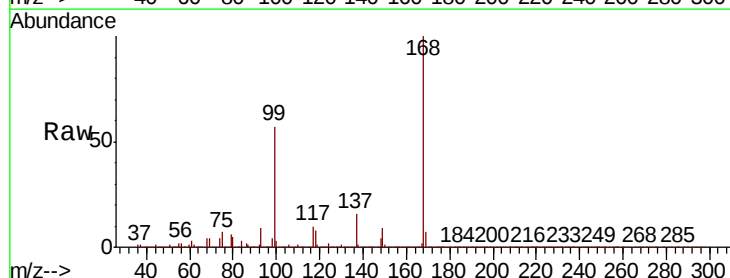
Instrument :
MSVOA_X
ClientSampled :

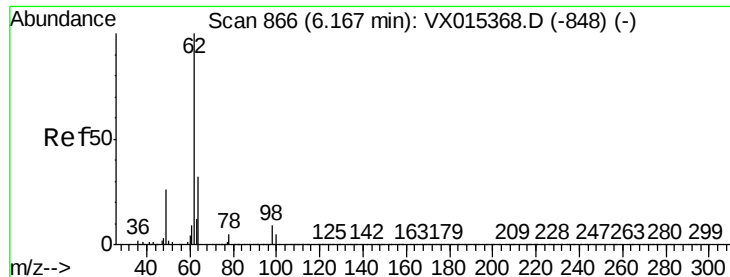
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	22.0	17.8	26.6



#38
Carbon Tetrachloride
Concen: 6.035 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015435.D
Acq: 30 Mar 2020 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	78.0	117.0#
121	0.0	23.8	35.8#





#42

1,2-Dichloroethane

Concen: 0.263 ug/l

RT: 6.17 min Scan# 866

Delta R.T. 0.00 min

Lab File: VX015435.D

Acq: 30 Mar 2020 17:58

Instrument :

MSVOA_X

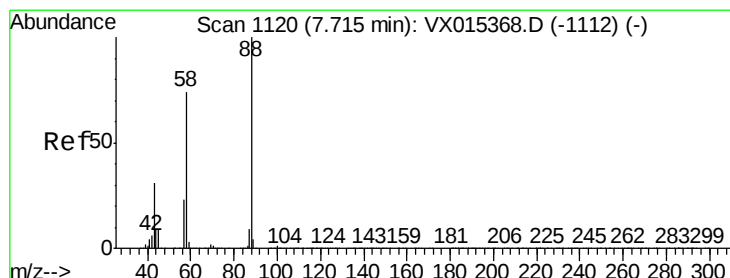
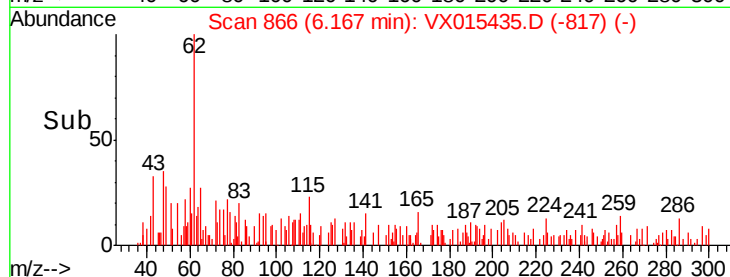
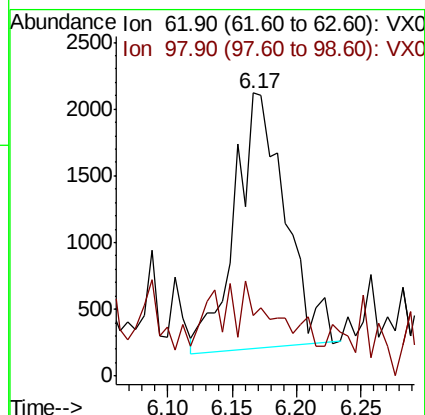
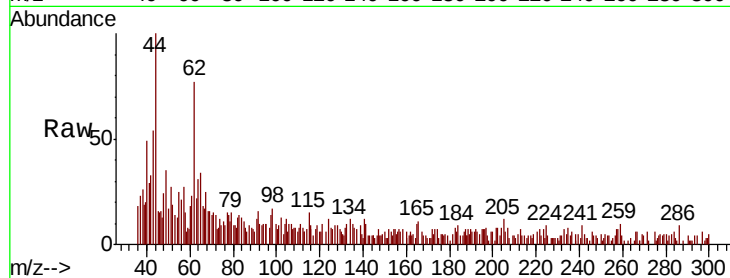
ClientSampled :

Tot Ion: 62 Resp: 5180

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6



#49

1,4-Dioxane

Concen: 40.306 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015435.D

Acq: 30 Mar 2020 17:58

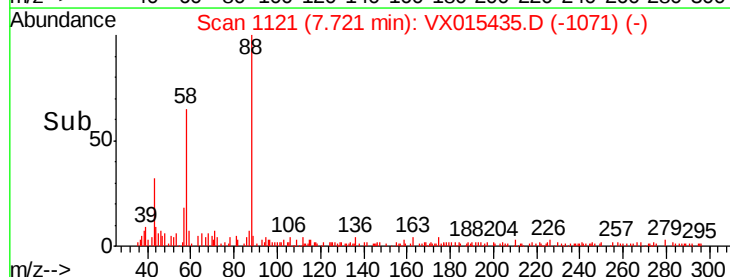
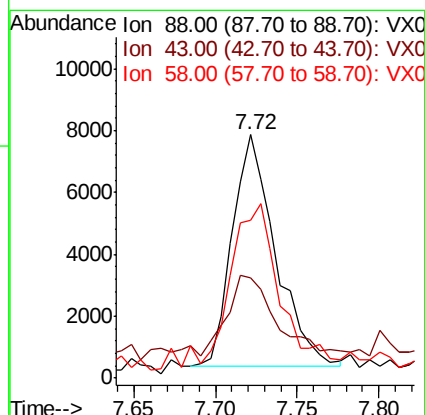
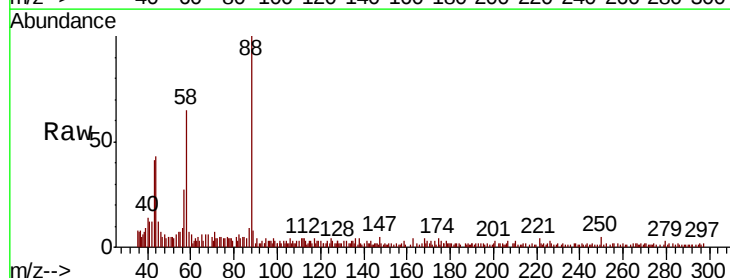
Tgt Ion: 88 Resp: 13836

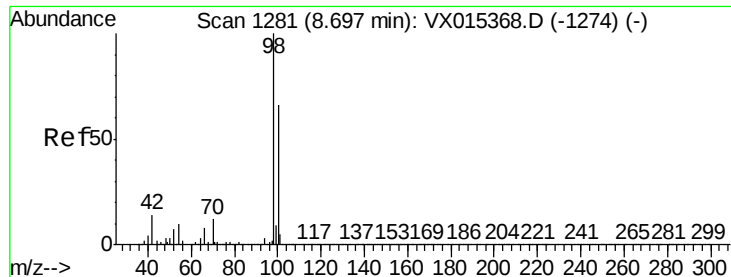
Ion Ratio Lower Upper

88 100

43 44.0 30.1 45.1

58 80.6 60.6 90.8





#50

Toluene-d8

Concen: 51.717 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015435.D

Acq: 30 Mar 2020 17:58

Instrument :

MSVOA_X

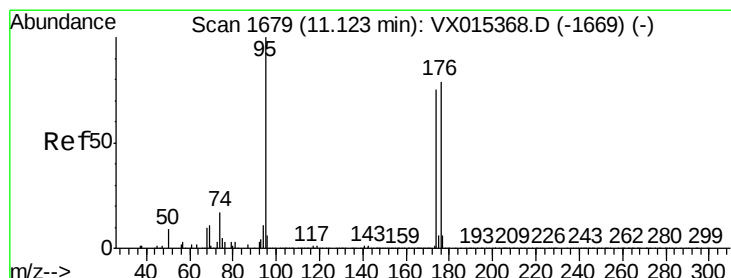
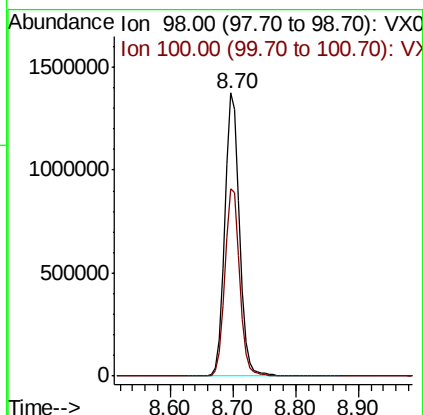
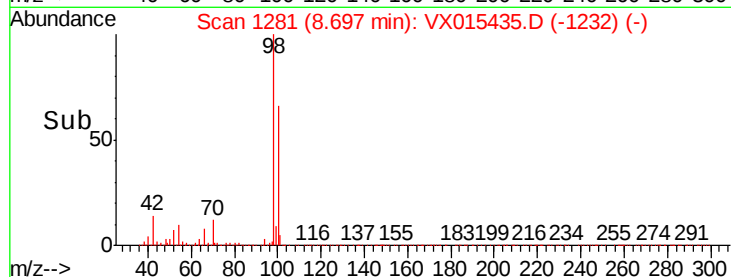
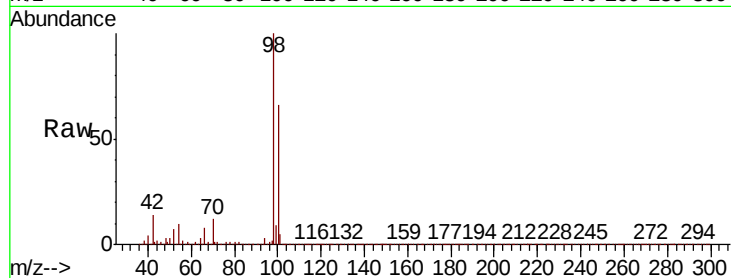
ClientSampleId :

Tot Ion: 98 Resp: 2214046

Ion Ratio Lower Upper

98 100

100 66.8 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 55.252 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015435.D

Acq: 30 Mar 2020 17:58

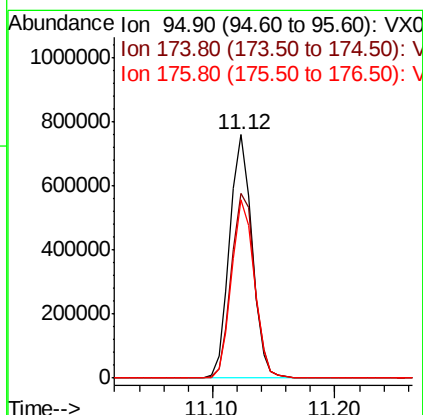
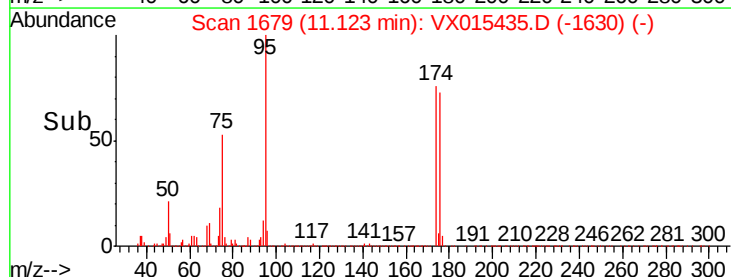
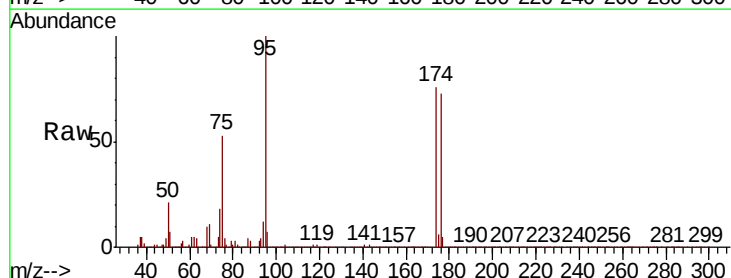
Tgt Ion: 95 Resp: 961301

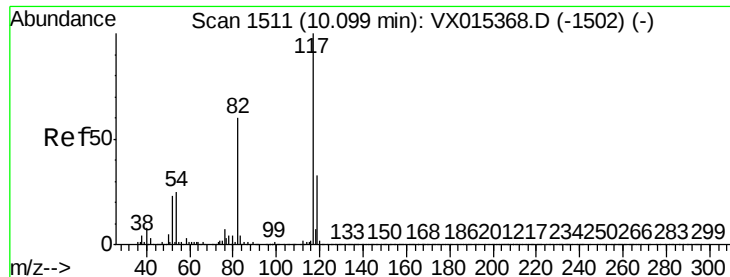
Ion Ratio Lower Upper

95 100

174 78.8 0.0 158.6

176 74.5 0.0 159.0

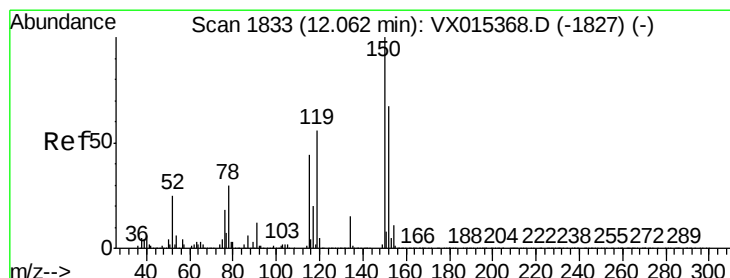
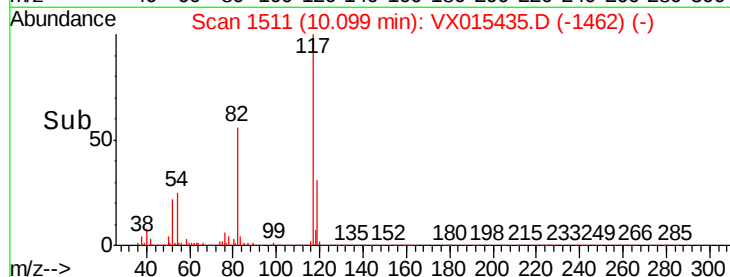
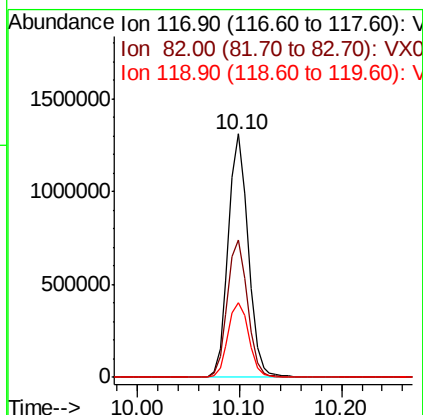
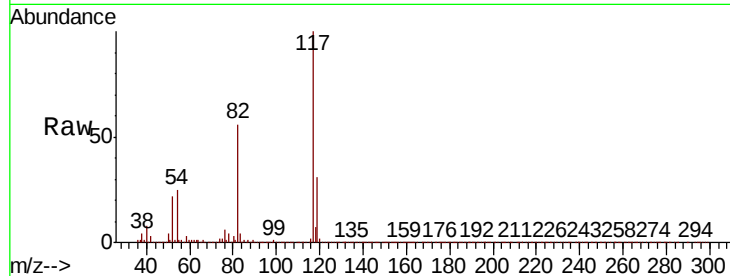




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015435.D
Acq: 30 Mar 2020 17:58

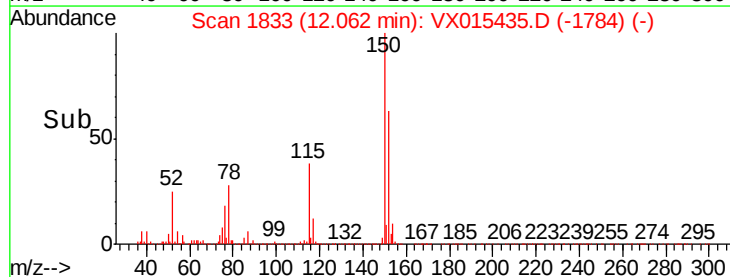
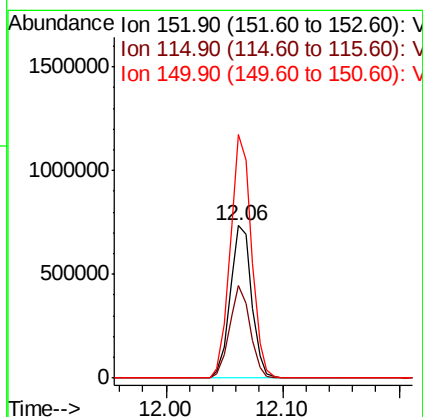
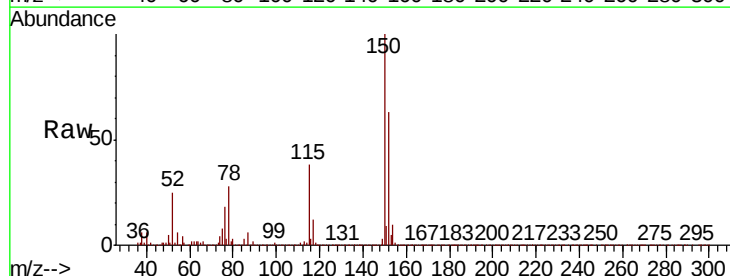
Instrument :
MSVOA_X
ClientSampleId :

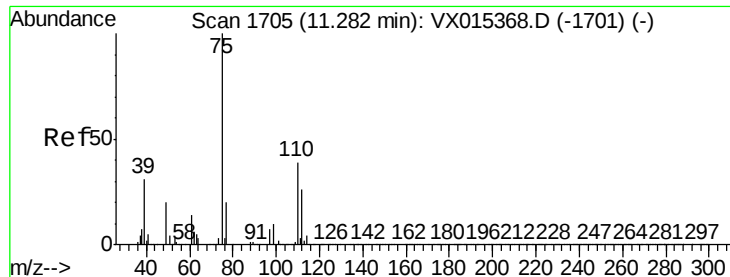
Tot Ion:117 Resp: 1766691
Ion Ratio Lower Upper
117 100
82 56.3 47.8 71.8
119 30.7 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015435.D
Acq: 30 Mar 2020 17:58

Tgt Ion:152 Resp: 944060
Ion Ratio Lower Upper
152 100
115 58.1 39.0 116.9
150 157.1 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 25.704 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015435.D

Acq: 30 Mar 2020 17:58

Instrument :

MSVOA_X

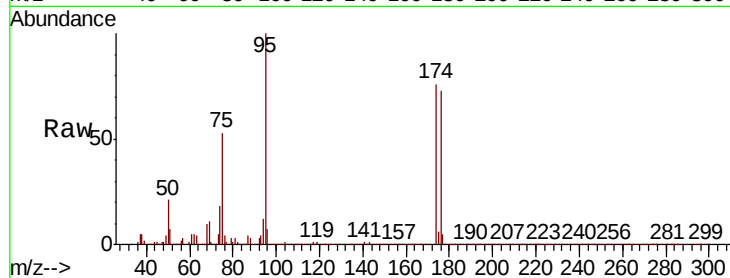
ClientSampled :

Tot Ion: 75 Resp: 499011

Ion Ratio Lower Upper

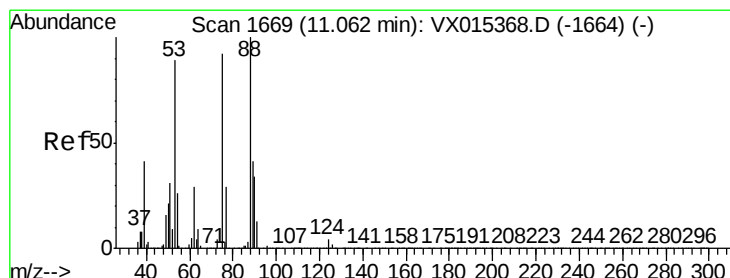
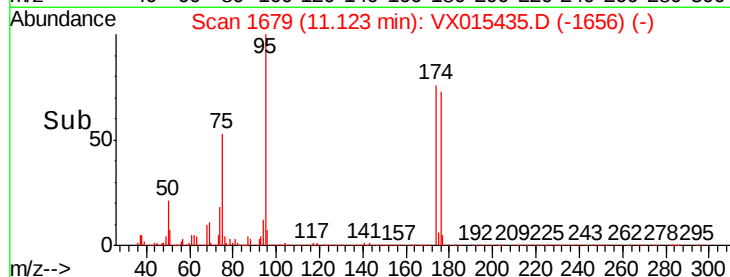
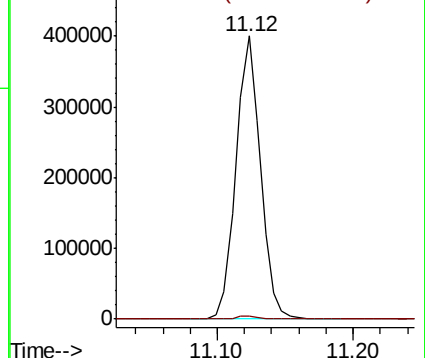
75 100

77 1.3 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: 61.675 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015435.D

Acq: 30 Mar 2020 17:58

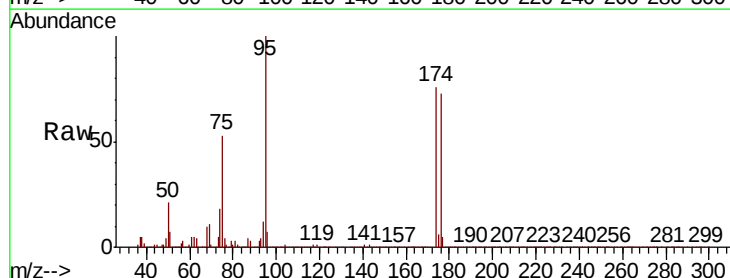
Tgt Ion: 75 Resp: 499011

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.3 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

