

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX033020\
 Data File : VX015439.D
 Acq On : 30 Mar 2020 19:28
 Operator : JC/SP
 Sample : L2048-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 31 08:55:04 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	1102419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1783941	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1709856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	900857	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	740531	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
35) Dibromofluoromethane	5.47	113	565539	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	8.70	98	2165481	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.12	95	940715	55.13	ug/l	0.00
Spiked Amount			Recovery	=	110.26%	

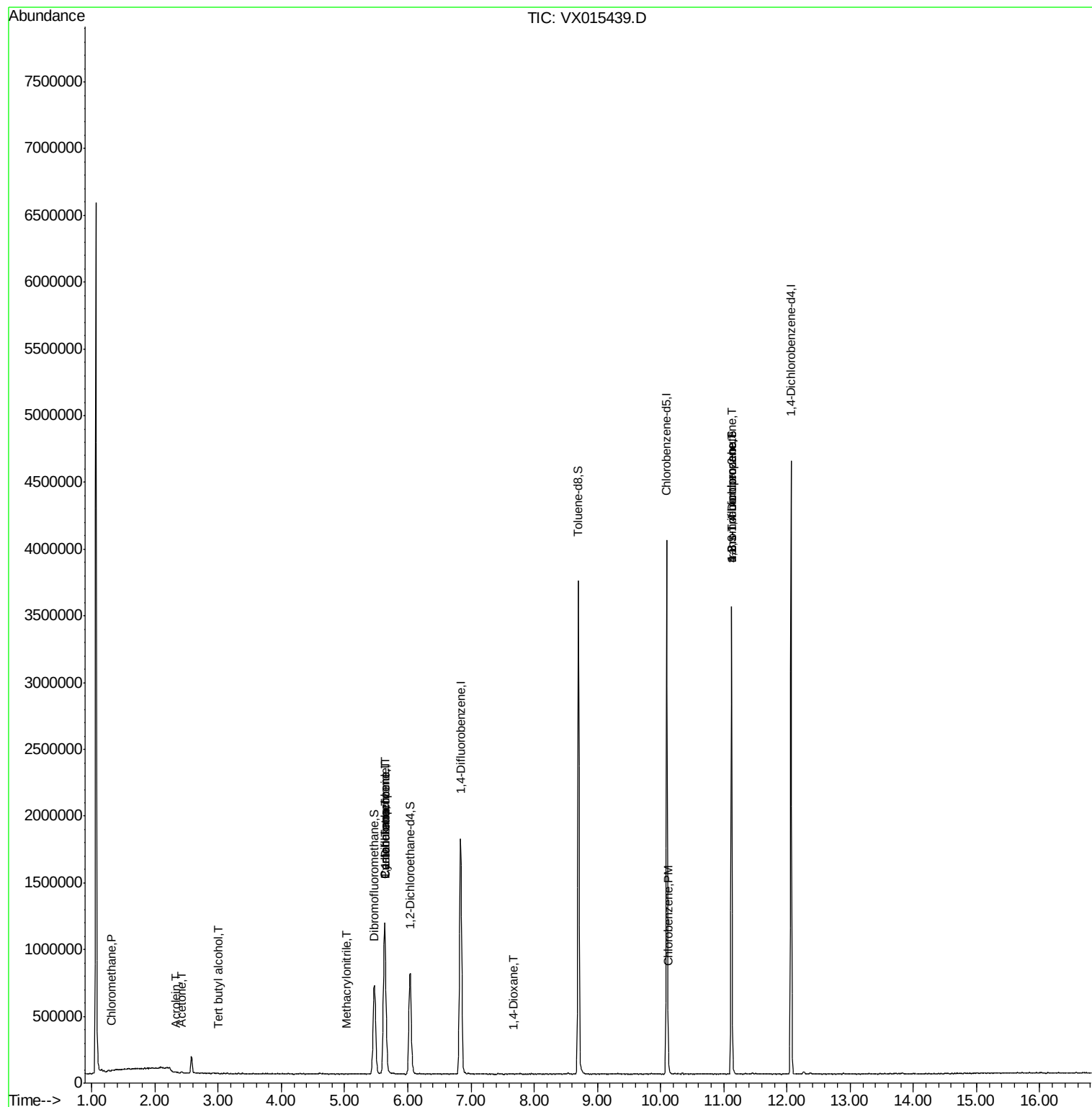
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	4741	0.383	ug/l #	70
5) Bromomethane	1.64	94	825	Below Cal	#	19
11) Tert butyl alcohol	3.01	59	3612	0.971	ug/l #	73
13) Acrolein	2.33	56	558	0.263	ug/l #	1
16) Acetone	2.42	43	11459	1.715	ug/l #	86
31) Cyclohexane	5.63	56	24230	1.231	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	84574	5.145	ug/l #	53
38) Carbon Tetrachloride	5.64	117	107210	6.022	ug/l #	14
41) Methacrylonitrile	5.03	41	2800	0.236	ug/l #	50
49) 1,4-Dioxane	7.68	88	209	0.621	ug/l #	1
65) Chlorobenzene	10.12	112	7270	0.213	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	482006	26.019	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	482006	62.431	ug/l #	10

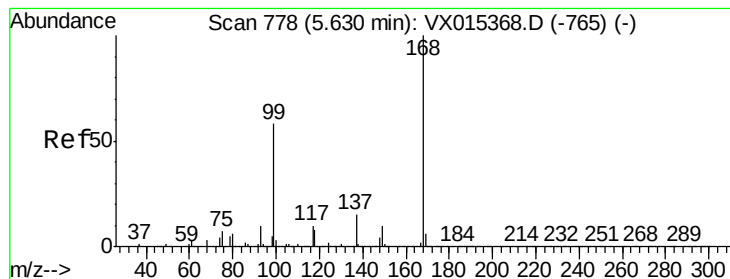
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015439.D

Acq: 30 Mar 2020 19:28

Instrument :

MSVOA_X

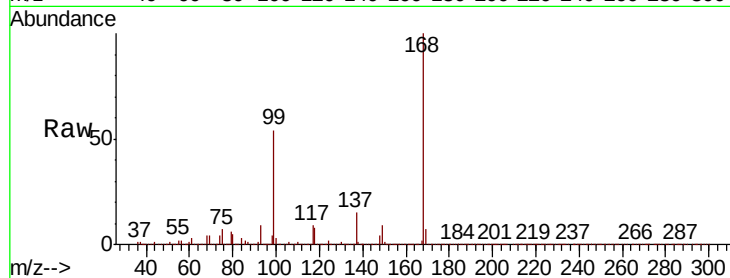
ClientSampleId :

Tot Ion:168 Resp: 1102419

Ion Ratio Lower Upper

168 100

99 54.1 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): VX015368.D (-765) (-)

Ion 98.90 (98.60 to 99.60): VX015368.D (-765) (-)

5.64

400000

300000

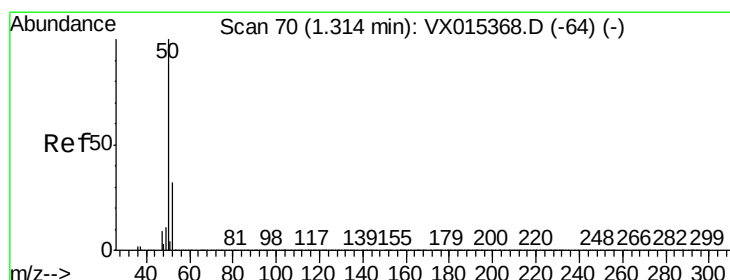
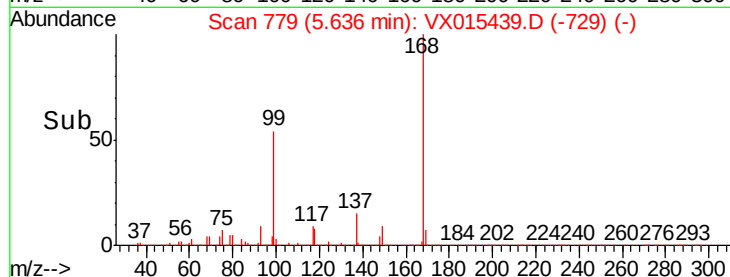
200000

100000

0

5.50 5.60 5.70

Time-->



#3

Chloromethane

Concen: 0.383 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015439.D

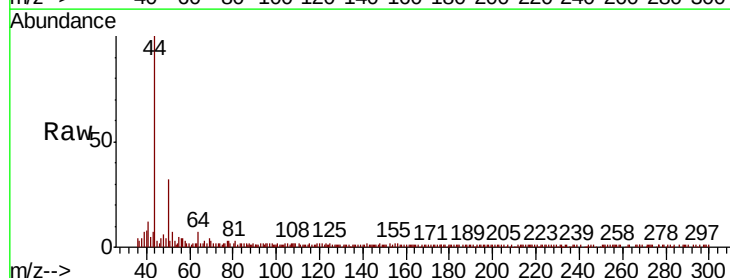
Acq: 30 Mar 2020 19:28

Tgt Ion: 50 Resp: 4741

Ion Ratio Lower Upper

50 100

52 15.1 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX015368.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VX015368.D (-64) (-)

1.31

6000

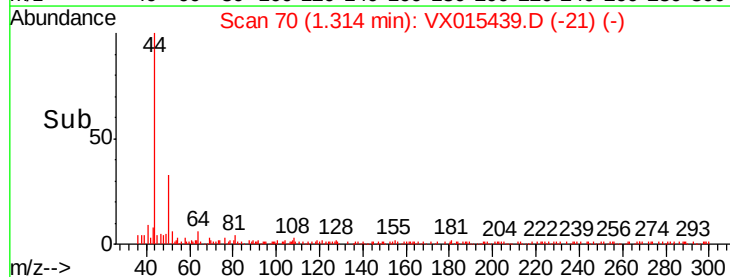
4000

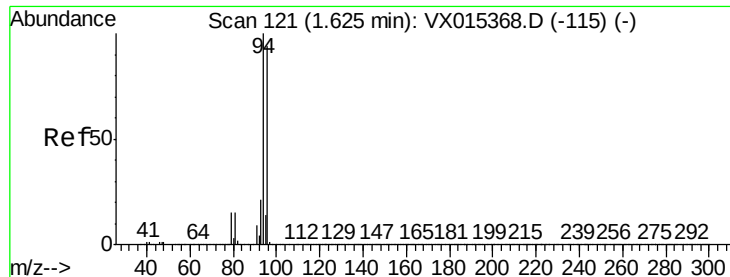
2000

0

1.28 1.30 1.32 1.34

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015439.D

Acq: 30 Mar 2020 19:28

Instrument :

MSVOA_X

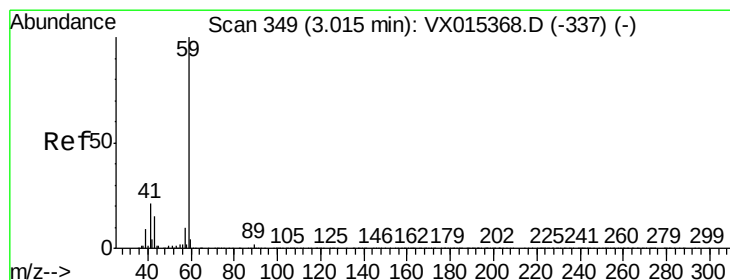
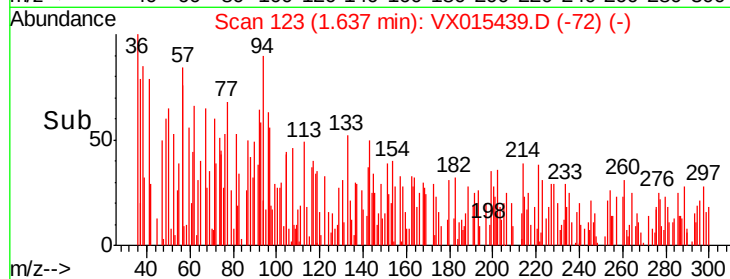
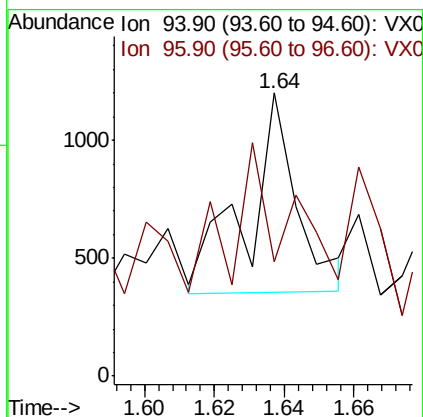
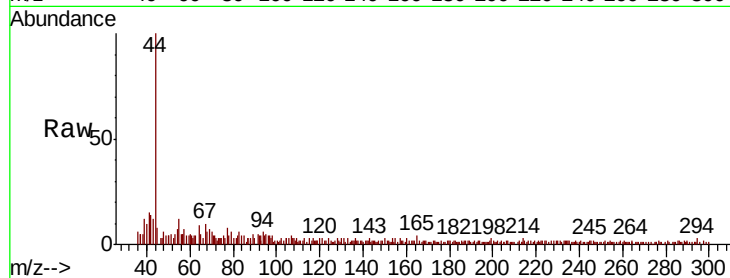
ClientSampled :

Tot Ion: 94 Resp: 825

Ion Ratio Lower Upper

94 100

96 15.7 74.8 112.2#



#11

Tert butyl alcohol

Concen: 0.971 ug/l

RT: 3.01 min Scan# 349

Delta R.T. 0.00 min

Lab File: VX015439.D

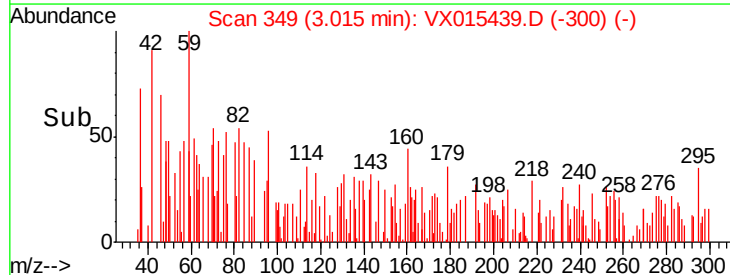
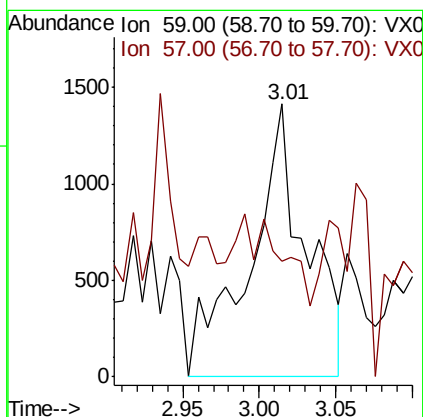
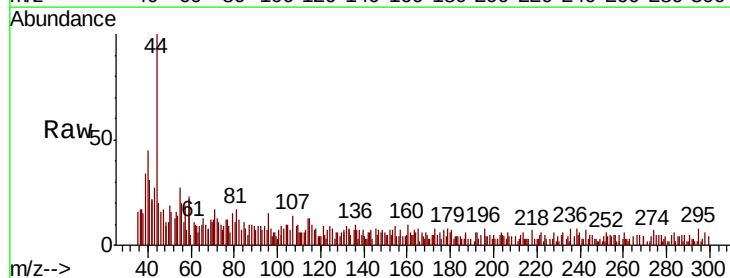
Acq: 30 Mar 2020 19:28

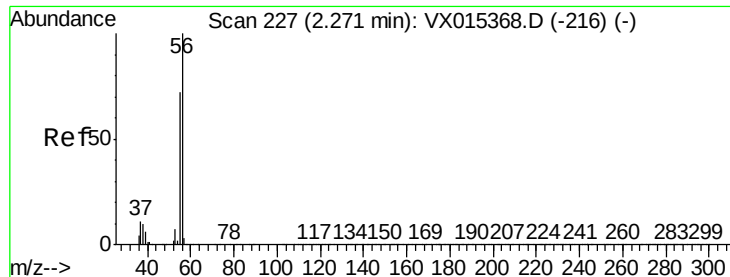
Tgt Ion: 59 Resp: 3612

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#





#13

Acrolein

Concen: 0.263 ug/l

RT: 2.33 min Scan# 236

Delta R.T. 0.05 min

Lab File: VX015439.D

Acq: 30 Mar 2020 19:28

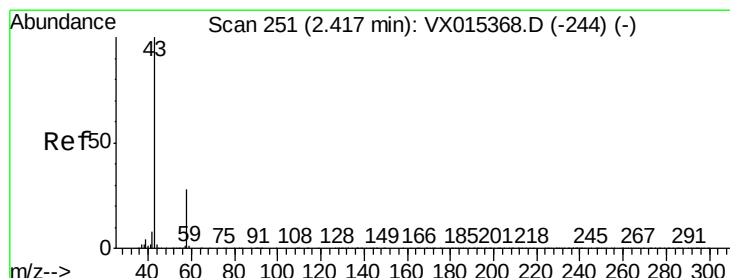
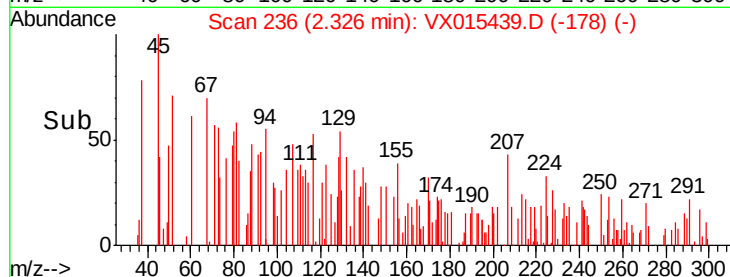
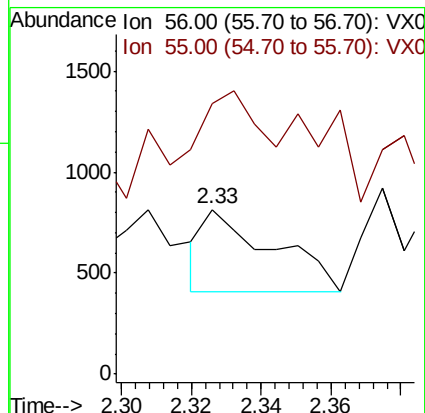
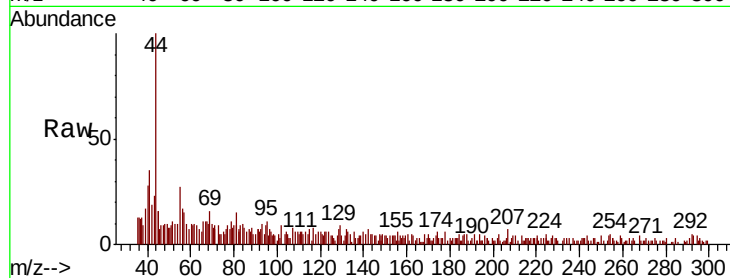
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 558

Ion Ratio Lower Upper

56 100

55 154.8 57.0 85.4#



#16

Acetone

Concen: 1.715 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015439.D

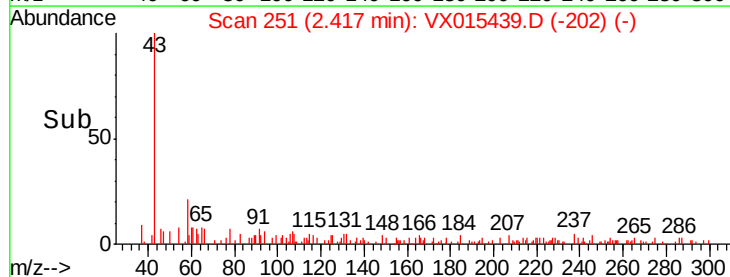
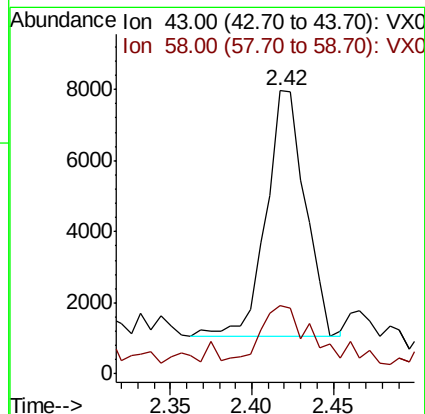
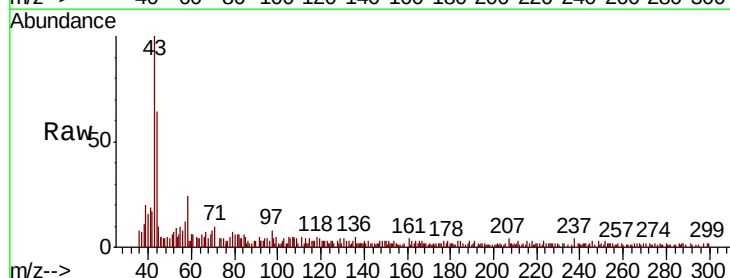
Acq: 30 Mar 2020 19:28

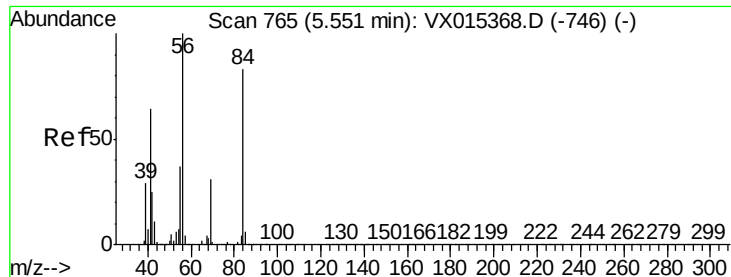
Tgt Ion: 43 Resp: 11459

Ion Ratio Lower Upper

43 100

58 20.1 22.1 33.1#

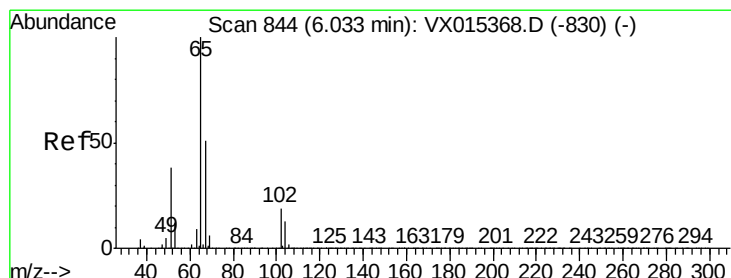
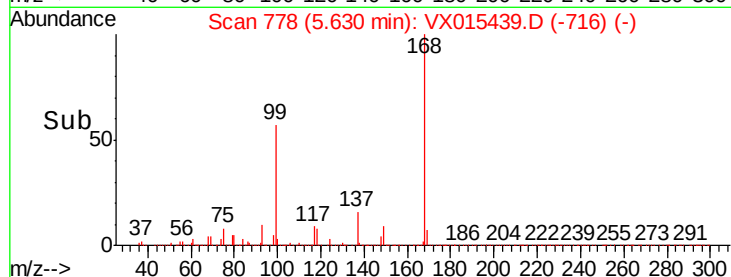
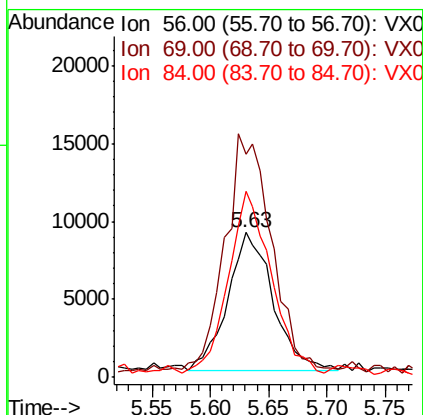
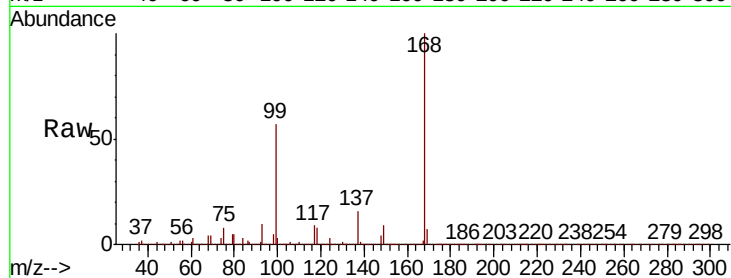




#31
Cyclohexane
Concen: 1.231 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015439.D
Acq: 30 Mar 2020 19:28

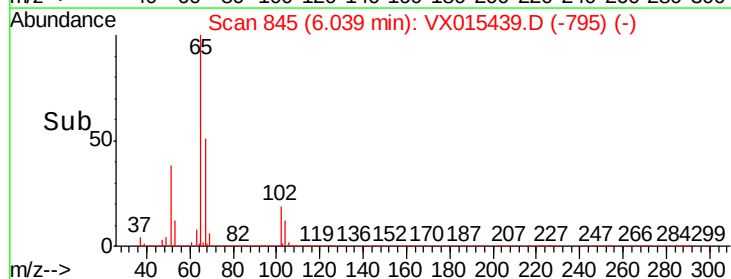
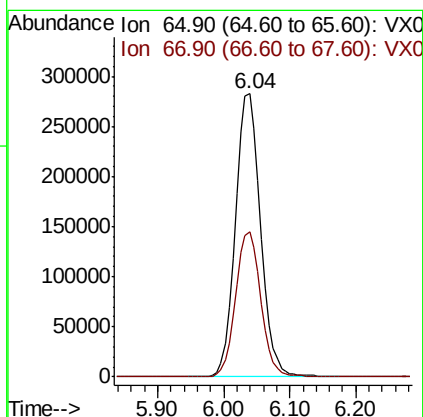
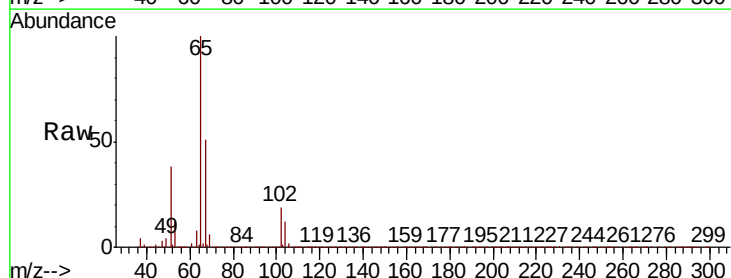
Instrument :
MSVOA_X
ClientSampleId :

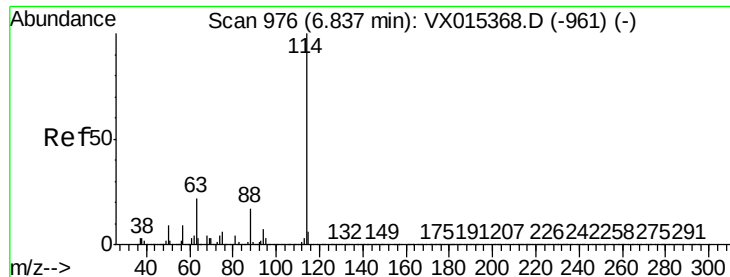
Tot Ion: 56 Resp: 24230
Ion Ratio Lower Upper
56 100
69 155.1 24.6 36.8#
84 128.7 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 47.627 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015439.D
Acq: 30 Mar 2020 19:28

Tgt Ion: 65 Resp: 740531
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.6

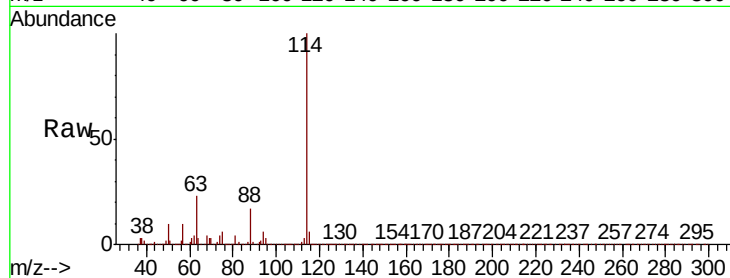




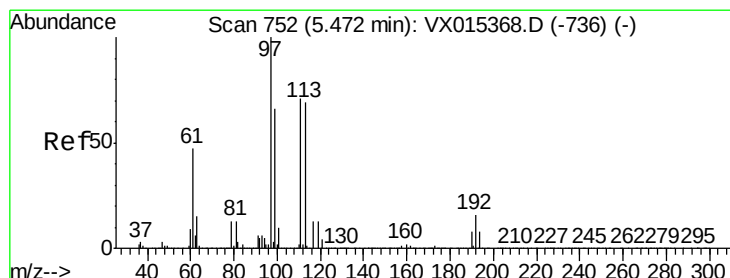
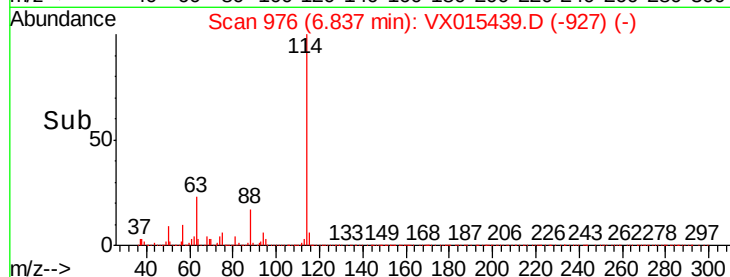
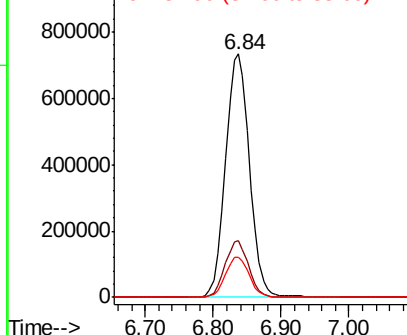
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 976
Delta R.T. 0.00 min
Lab File: VX015439.D
Acq: 30 Mar 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 1783941
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.2
88 16.6 0.0 33.8

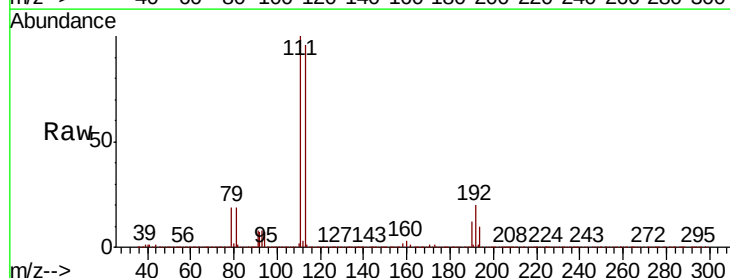


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

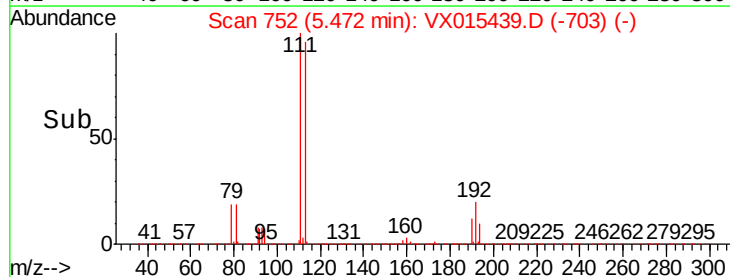
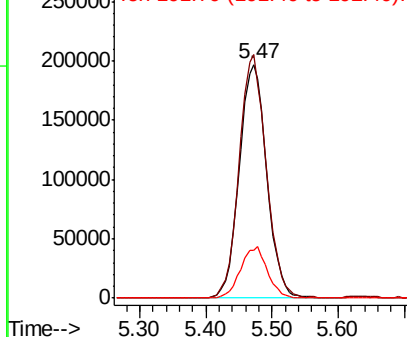


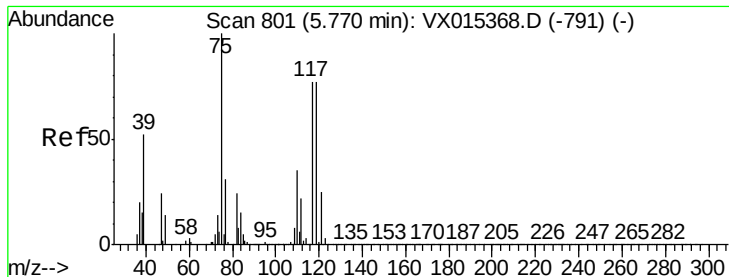
#35
Dibromofluoromethane
Concen: 49.594 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015439.D
Acq: 30 Mar 2020 19:28

Tgt Ion:113 Resp: 565539
Ion Ratio Lower Upper
113 100
111 102.8 81.5 122.3
192 21.5 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

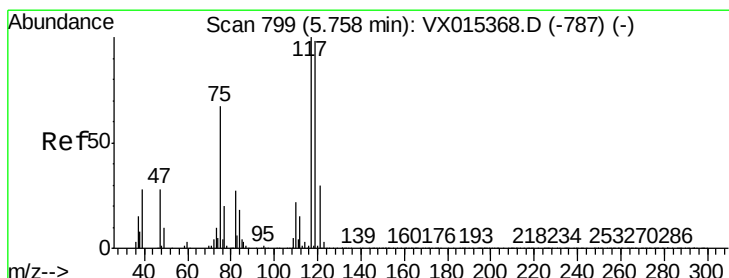
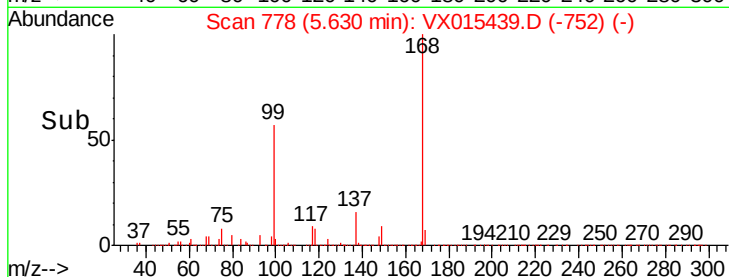
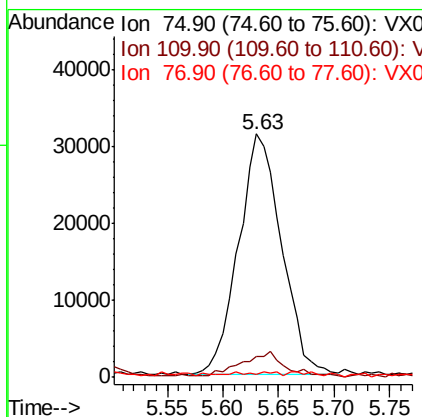
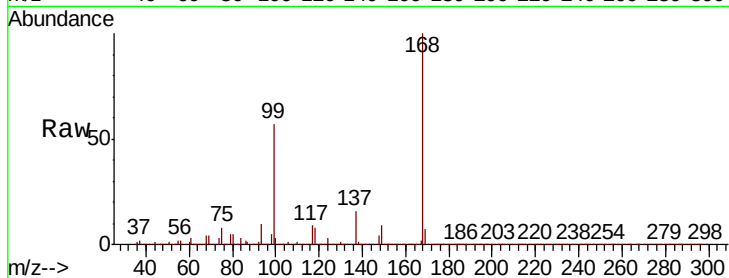




#36
 1,1-Dichloropropene
 Concen: 5.145 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015439.D
 Acq: 30 Mar 2020 19:28

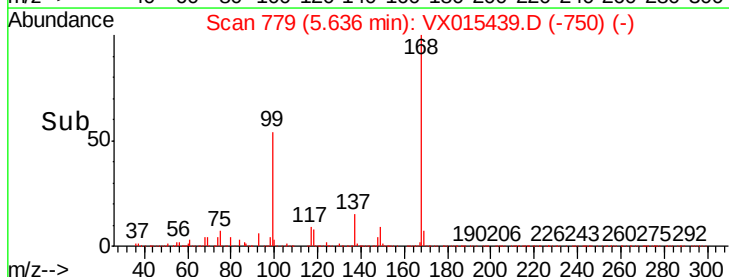
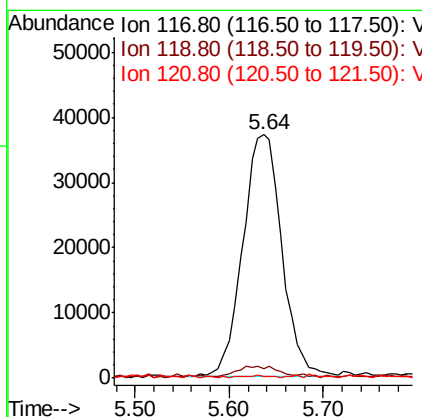
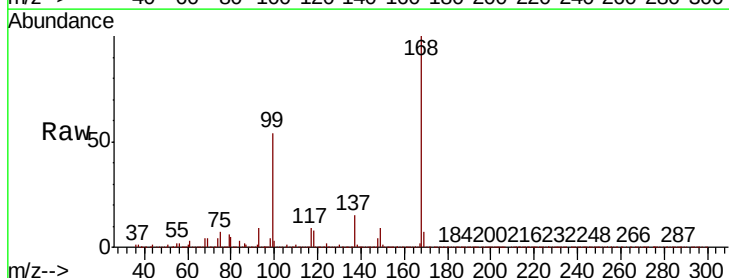
Instrument :
 MSVOA_X
 ClientSampleId :

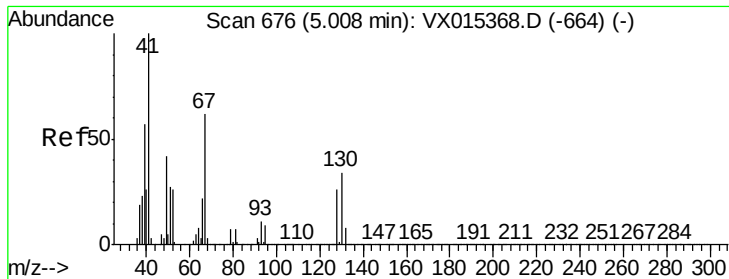
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.3	17.1	51.3#
77	0.5	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.022 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015439.D
 Acq: 30 Mar 2020 19:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	78.0	117.0#
121	0.1	23.8	35.8#

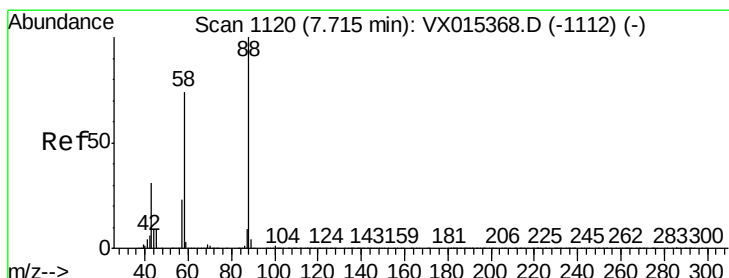
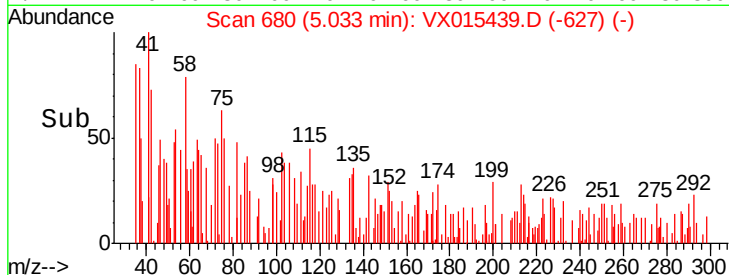
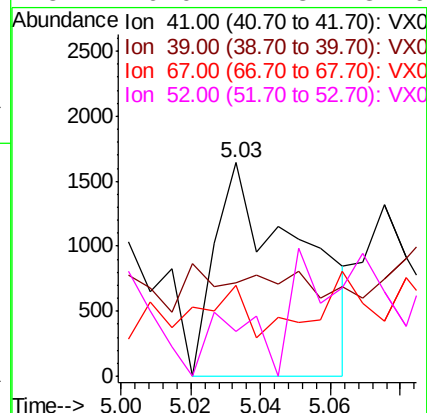
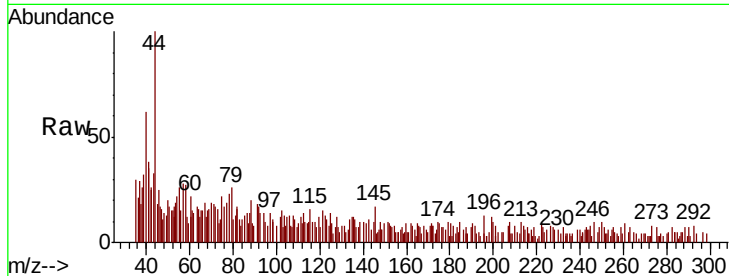




#41
Methacrylonitrile
Concen: 0.236 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX015439.D
Acq: 30 Mar 2020 19:28

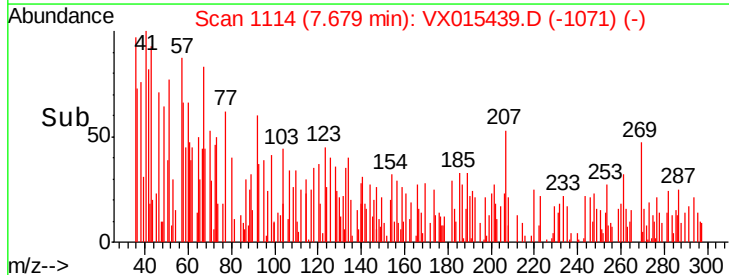
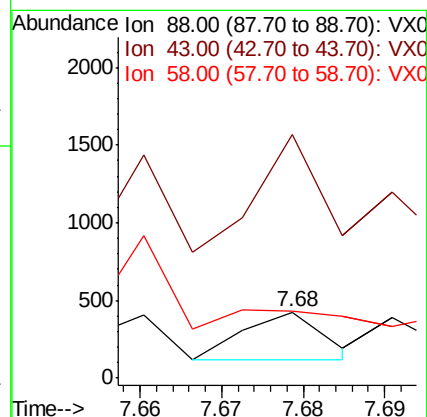
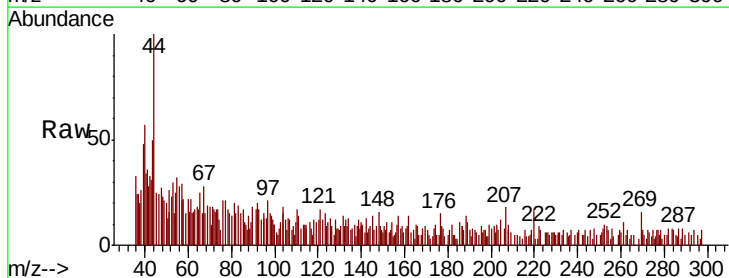
Instrument :
MSVOA_X
ClientSampled :

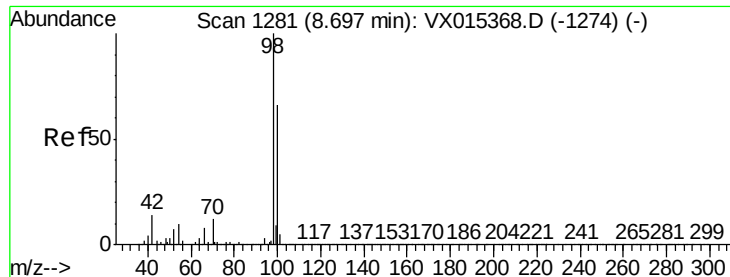
Tot Ion:	41	Resp:	2800
Ion	Ratio	Lower	Upper
41	100		
39	10.4	44.5	66.7#
67	32.2	48.9	73.3#
52	0.0	21.8	32.6#



#49
1,4-Dioxane
Concen: 0.621 ug/l
RT: 7.68 min Scan# 1114
Delta R.T. -0.04 min
Lab File: VX015439.D
Acq: 30 Mar 2020 19:28

Tgt Ion:	88	Resp:	209
Ion	Ratio	Lower	Upper
88	100		
43	495.7	30.1	45.1#
58	0.0	60.6	90.8#

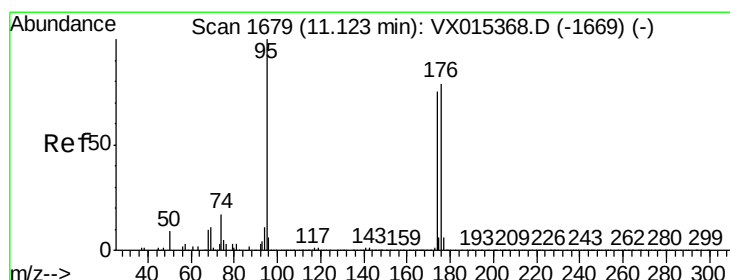
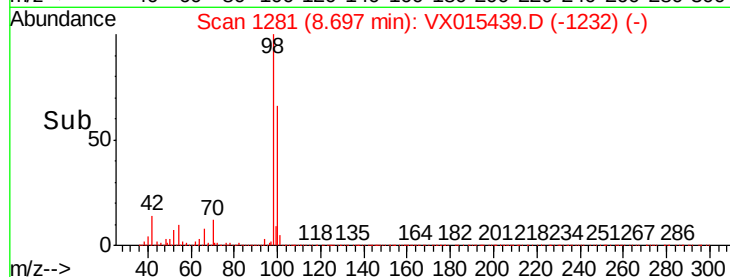
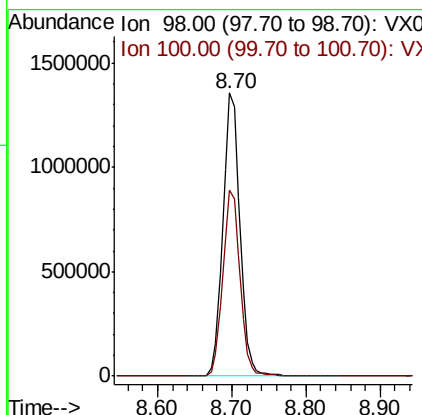
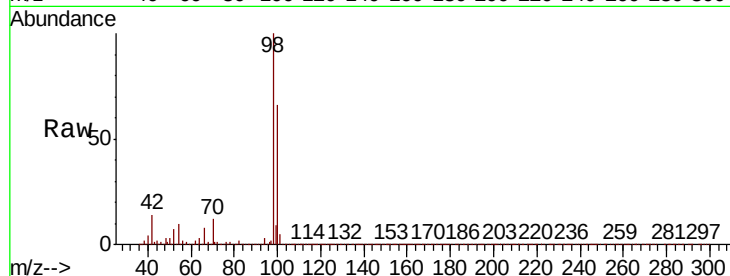




#50
Toluene-d8
Concen: 51.578 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015439.D
Acq: 30 Mar 2020 19:28

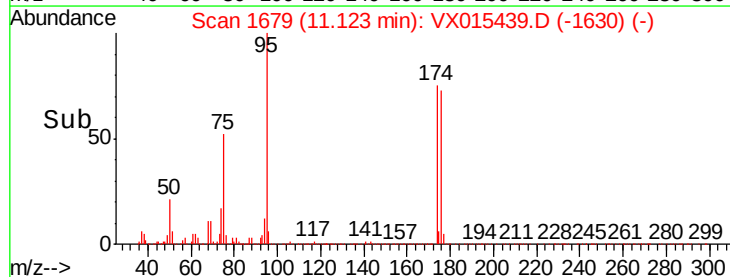
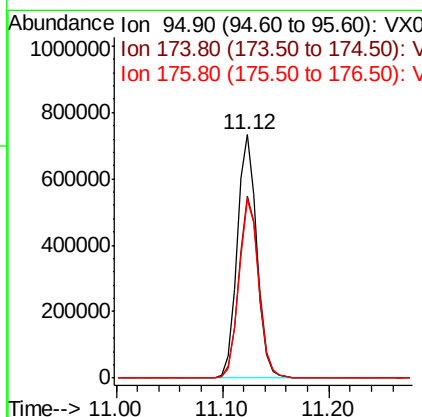
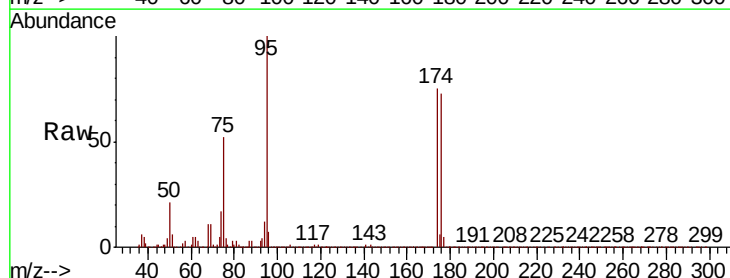
Instrument :
MSVOA_X
ClientSampleId :

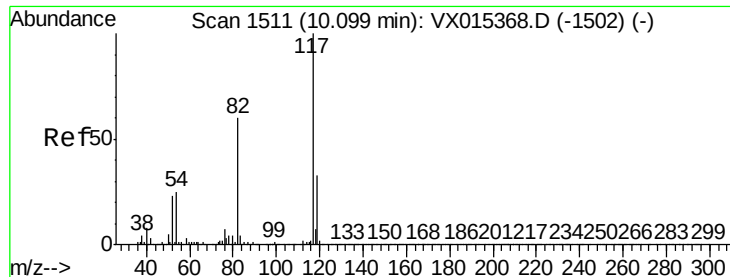
Tot Ion: 98 Resp: 2165481
Ion Ratio Lower Upper
98 100
100 66.4 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 55.133 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015439.D
Acq: 30 Mar 2020 19:28

Tgt Ion: 95 Resp: 940715
Ion Ratio Lower Upper
95 100
174 76.7 0.0 158.6
176 74.1 0.0 159.0

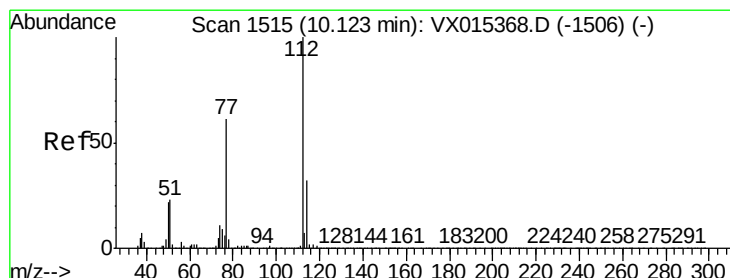
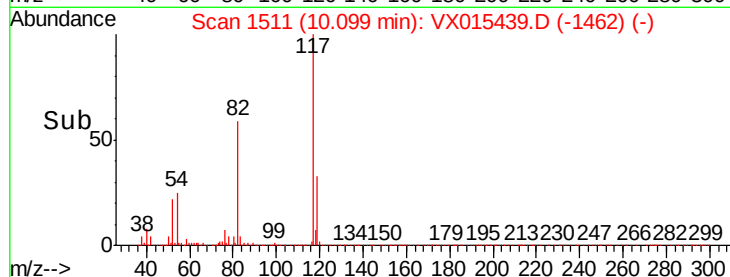
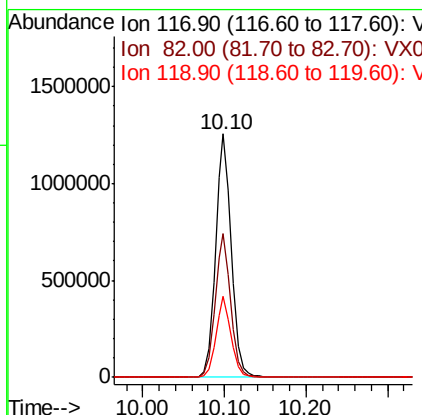
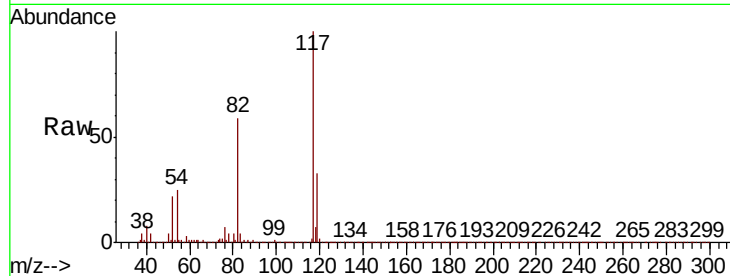




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015439.D
Acq: 30 Mar 2020 19:28

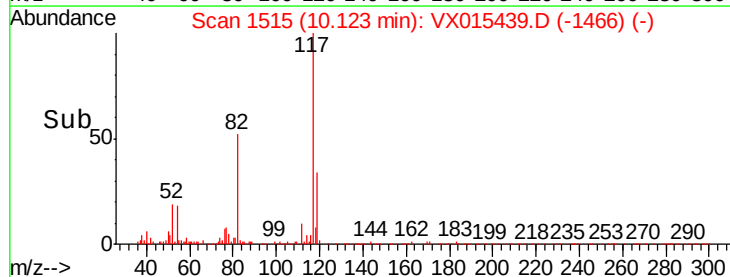
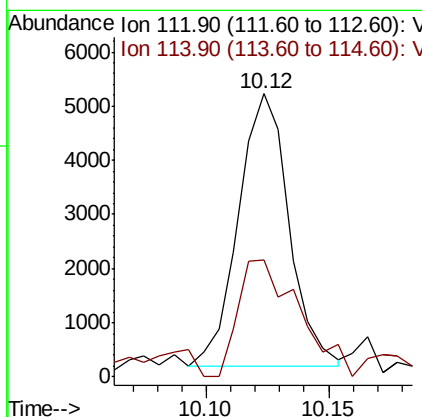
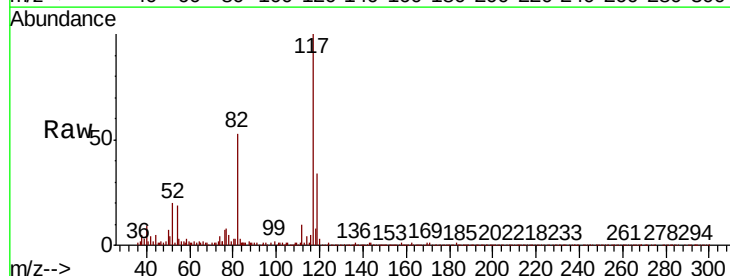
Instrument :
MSVOA_X
ClientSampleId :

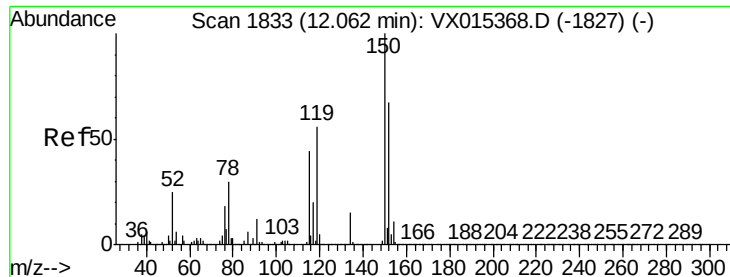
Tot Ion:117 Resp: 1709856
Ion Ratio Lower Upper
117 100
82 59.3 47.8 71.8
119 33.2 26.8 40.2



#65
Chlorobenzene
Concen: 0.213 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VX015439.D
Acq: 30 Mar 2020 19:28

Tgt Ion:112 Resp: 7270
Ion Ratio Lower Upper
112 100
114 33.1 25.5 38.3

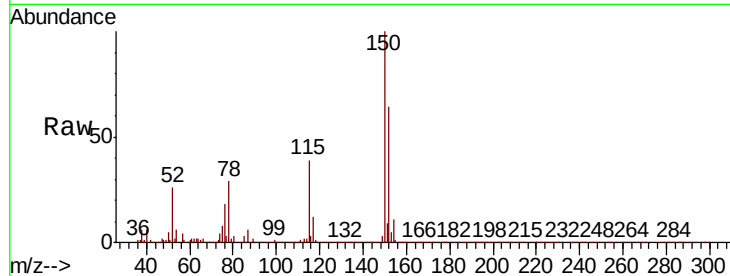




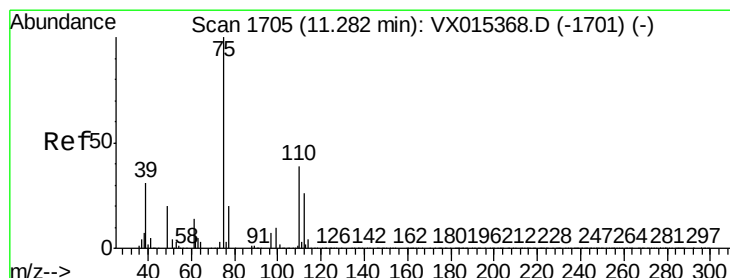
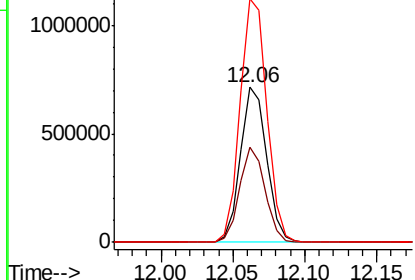
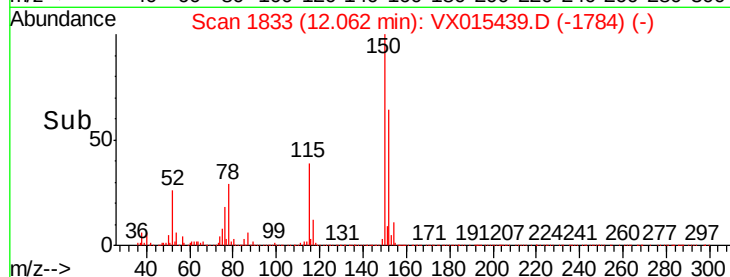
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX015439.D
 Acq: 30 Mar 2020 19:28

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.7	39.0	116.9
150	160.1	0.0	340.8

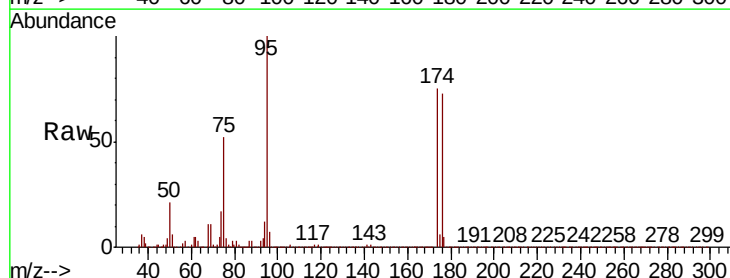


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

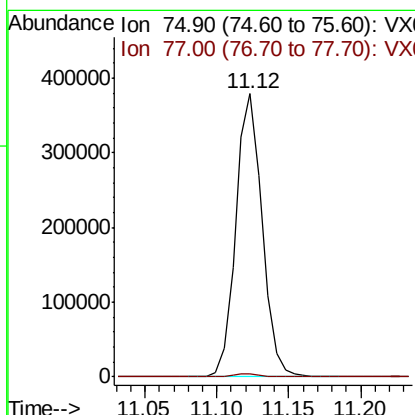
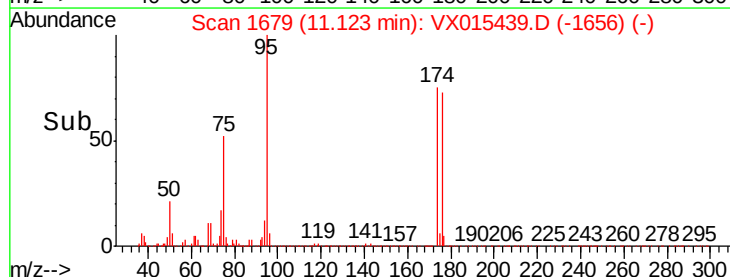


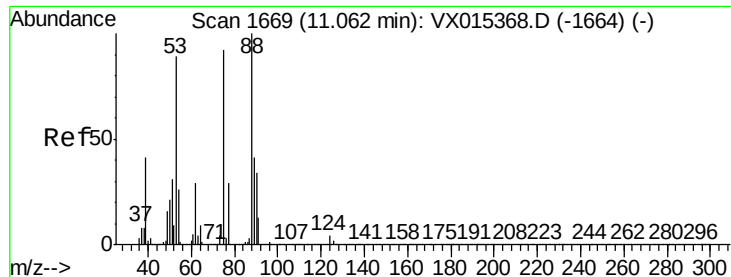
#76
 1,2,3-Trichloropropane
 Concen: 26.019 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015439.D
 Acq: 30 Mar 2020 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	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: 62.431 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015439.D

Acq: 30 Mar 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 482006

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#

