

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015675.D
 Acq On : 15 Apr 2020 11:55
 Operator : JC/SP
 Sample : VX0415WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBL01

Quant Time: Apr 16 05:46:00 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	1140173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1739490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1626031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	851814	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	684915	42.59	ug/l	0.00
Spiked Amount			Recovery	=	85.18%	
35) Dibromofluoromethane	5.47	113	531409	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	8.70	98	2058922	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.12	95	840099	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	

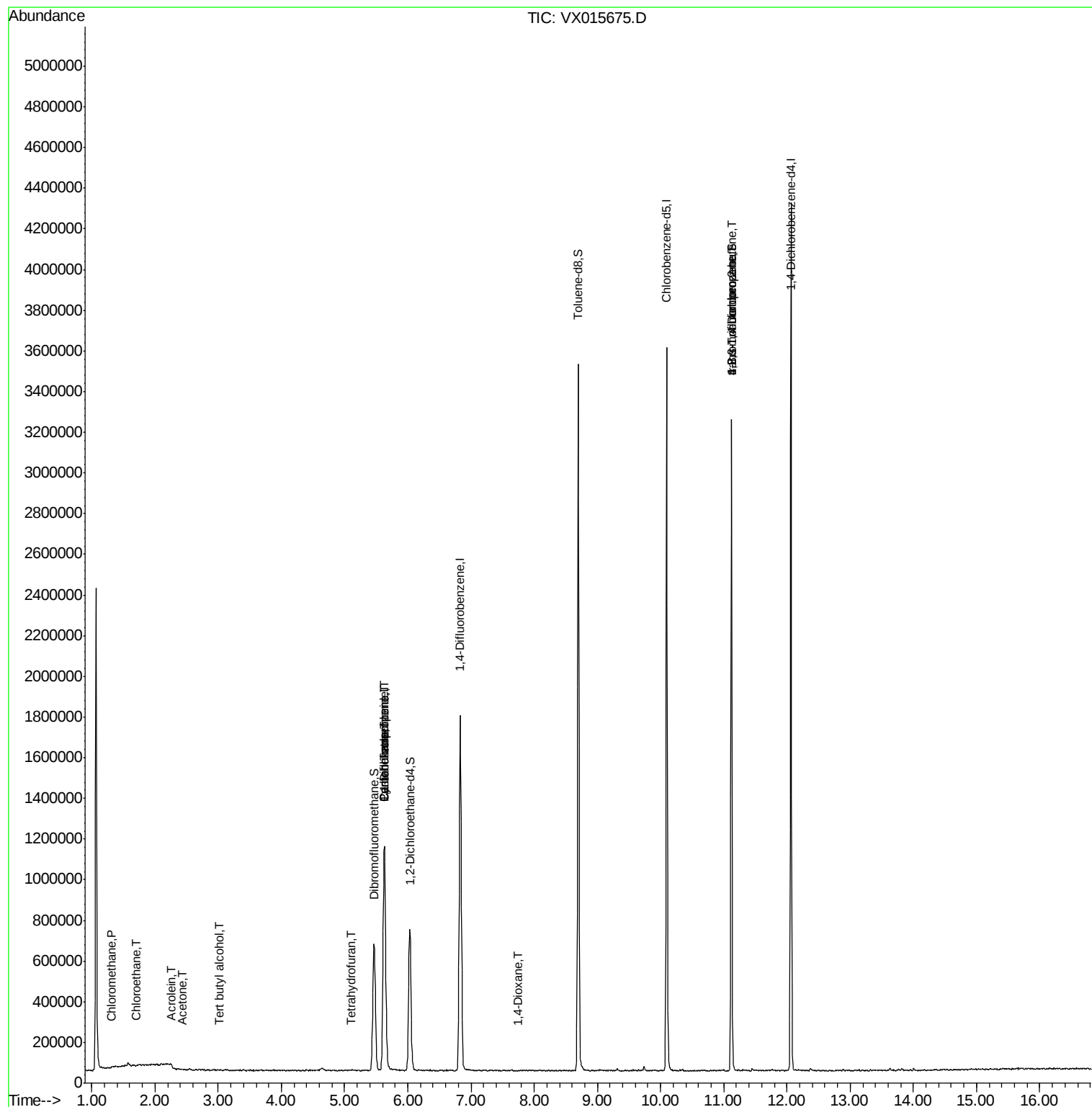
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2923	0.228	ug/l #	50
5) Bromomethane	1.64	94	2254	Below Cal	#	75
6) Chloroethane	1.71	64	1489	0.204	ug/l	97
11) Tert butyl alcohol	3.01	59	776	0.202	ug/l #	73
13) Acrolein	2.27	56	1468	0.670	ug/l #	44
16) Acetone	2.44	43	2542	0.368	ug/l #	75
29) Tetrahydrofuran	5.10	42	1890	0.265	ug/l #	59
31) Cyclohexane	5.62	56	20641	1.014	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	81484	5.084	ug/l #	52
38) Carbon Tetrachloride	5.63	117	105041	6.051	ug/l #	15
49) 1,4-Dioxane	7.74	88	972	2.961	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	422172	24.101	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	422172	57.829	ug/l #	10

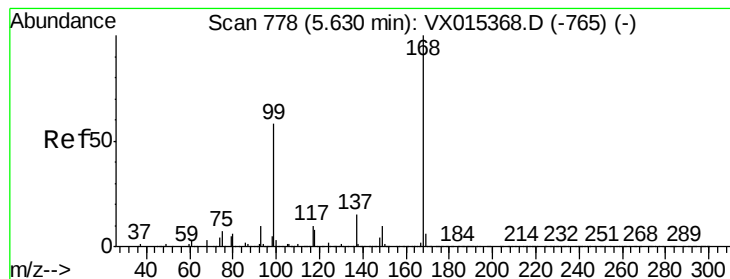
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015675.D

Acq: 15 Apr 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

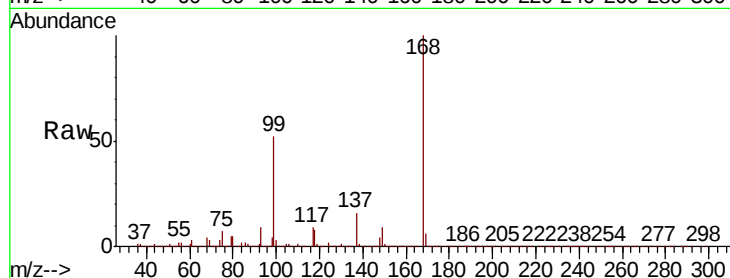
VX0415WBL01

Tot Ion:168 Resp: 1140173

Ion Ratio Lower Upper

168 100

99 51.9 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

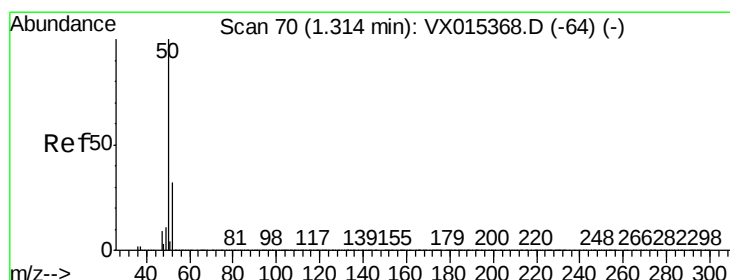
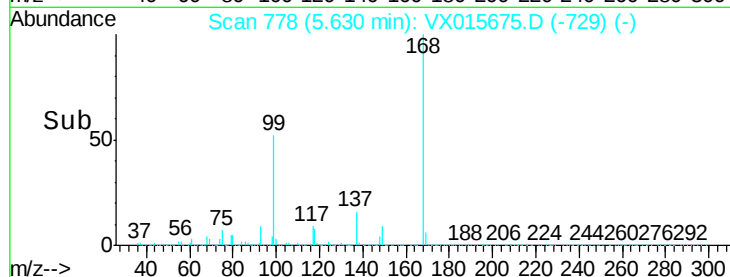
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015675.D

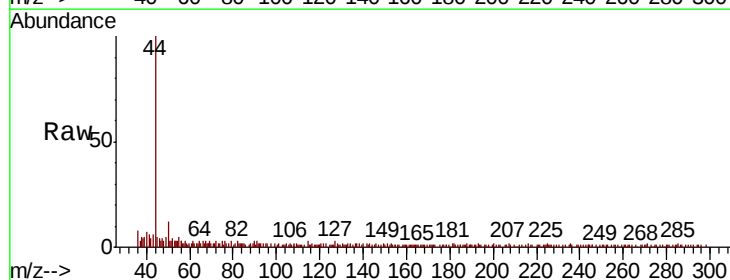
Acq: 15 Apr 2020 11:55

Tgt Ion: 50 Resp: 2923

Ion Ratio Lower Upper

50 100

52 4.0 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

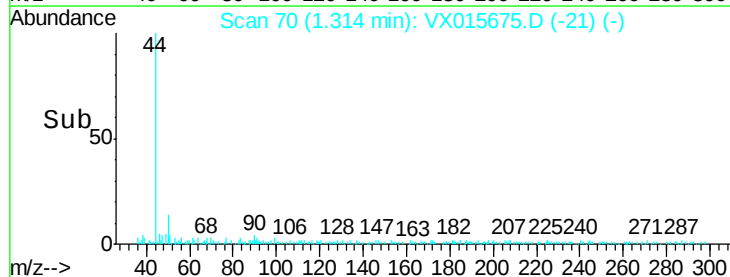
1500

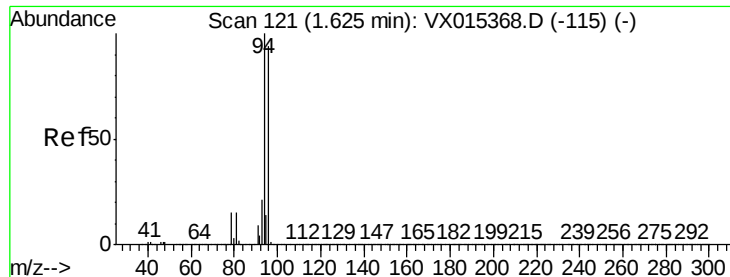
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015675.D

Acq: 15 Apr 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

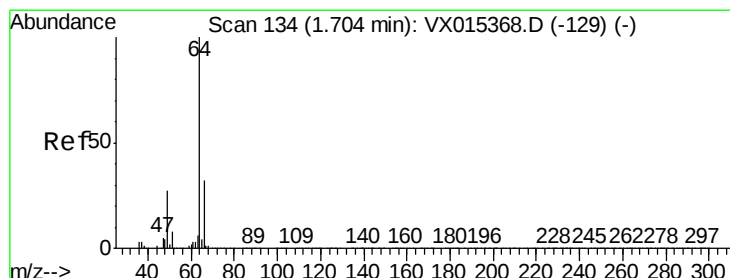
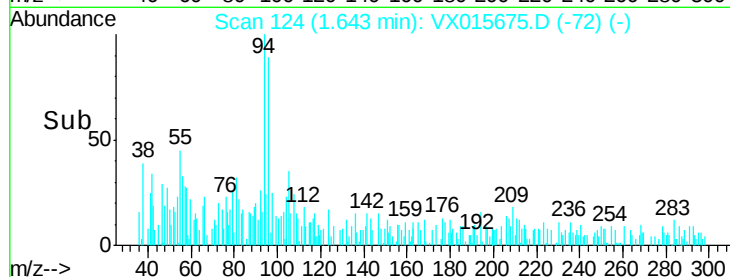
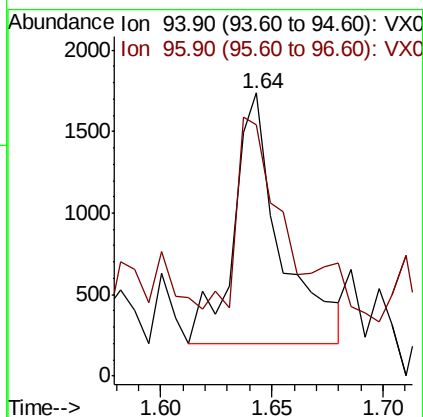
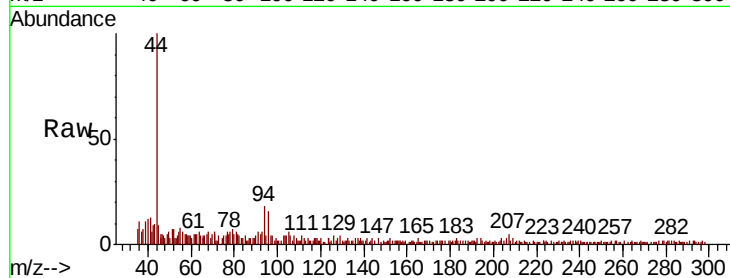
VX0415WBL01

Tot Ion: 94 Resp: 2254

Ion Ratio Lower Upper

94 100

96 69.2 74.8 112.2#



#6

Chloroethane

Concen: 0.204 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX015675.D

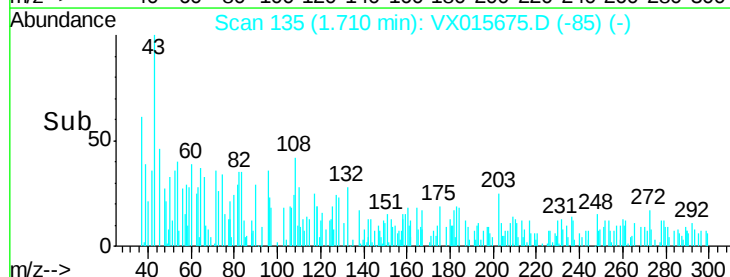
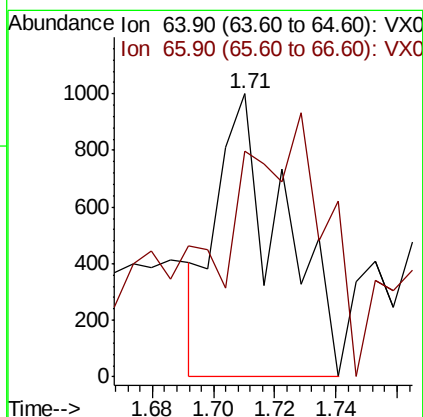
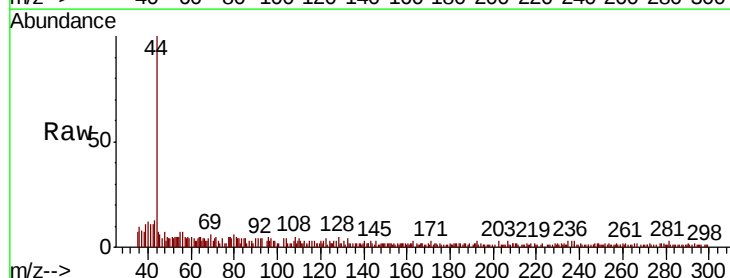
Acq: 15 Apr 2020 11:55

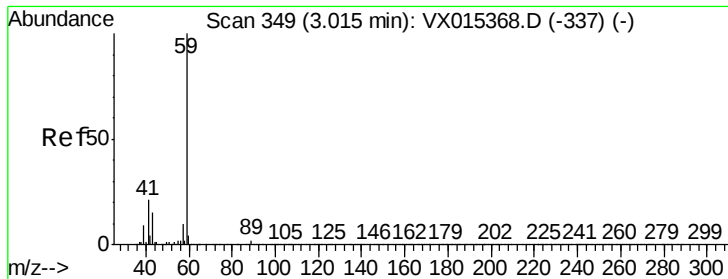
Tgt Ion: 64 Resp: 1489

Ion Ratio Lower Upper

64 100

66 33.4 25.4 38.2

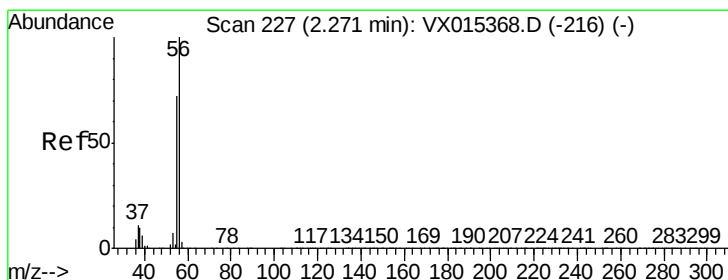
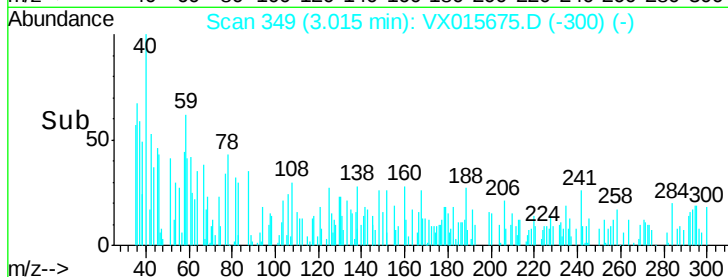
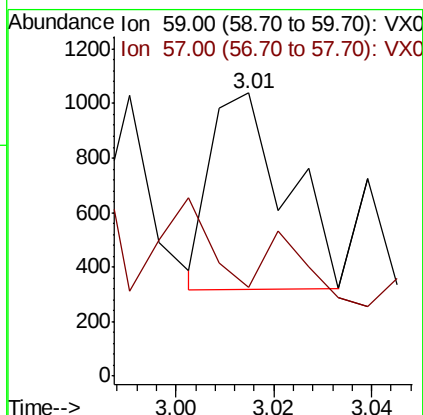
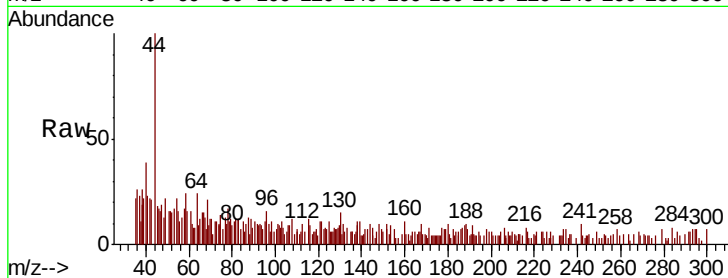




#11
Tert butyl alcohol
Concen: 0.202 ug/l
RT: 3.01 min Scan# 349
Delta R.T. 0.00 min
Lab File: VX015675.D
Acq: 15 Apr 2020 11:55

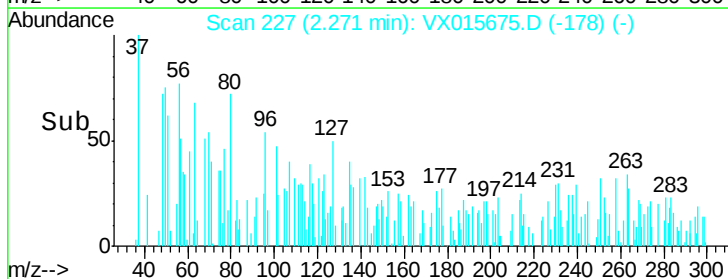
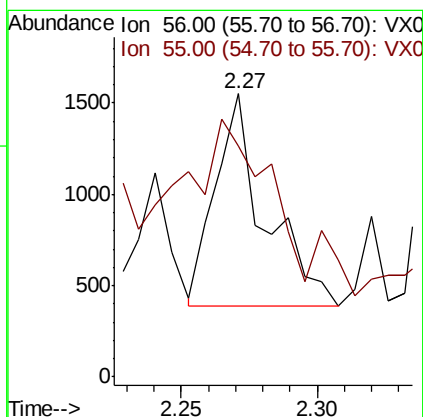
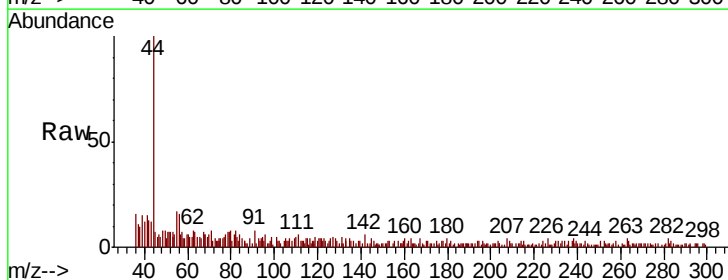
Instrument :
MSVOA_X
ClientSampleId :
VX0415WBL01

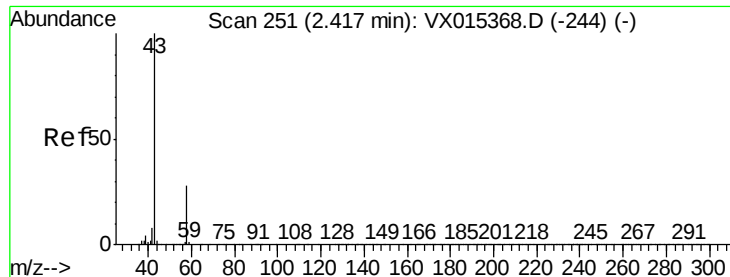
Tot Ion: 59 Resp: 776
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.670 ug/l
RT: 2.27 min Scan# 227
Delta R.T. 0.00 min
Lab File: VX015675.D
Acq: 15 Apr 2020 11:55

Tgt Ion: 56 Resp: 1468
Ion Ratio Lower Upper
56 100
55 117.8 57.0 85.4#





#16

Acetone

Concen: 0.368 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.02 min

Lab File: VX015675.D

Acq: 15 Apr 2020 11:55

Instrument :

MSVOA_X

ClientSampled :

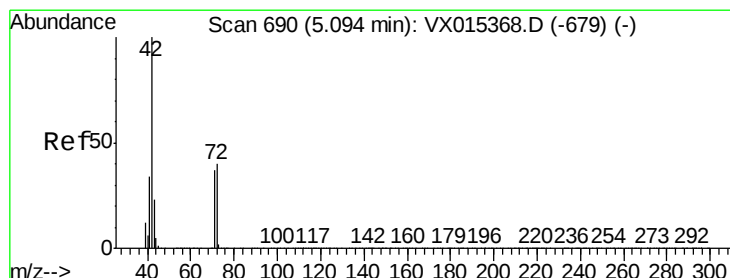
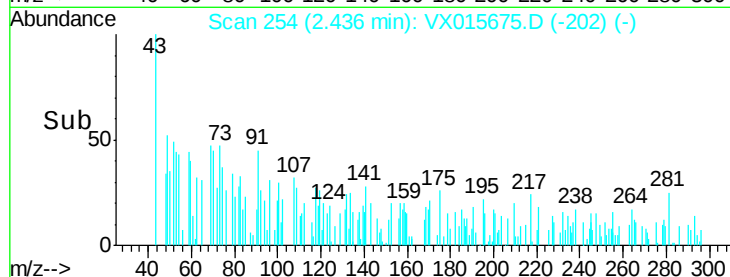
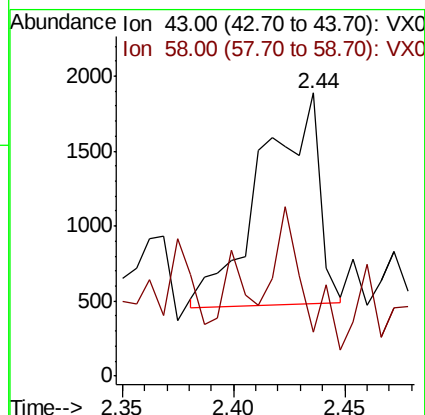
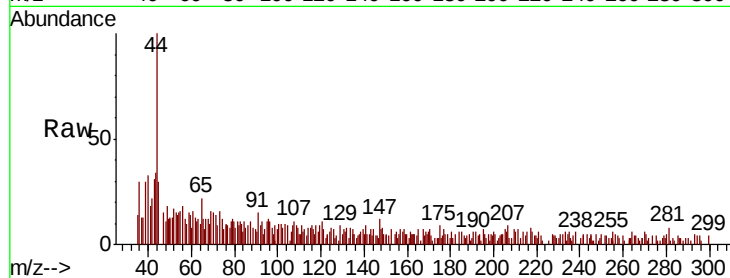
VX0415WBL01

Tot Ion: 43 Resp: 2542

Ion Ratio Lower Upper

43 100

58 14.8 22.1 33.1#



#29

Tetrahydrofuran

Concen: 0.265 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015675.D

Acq: 15 Apr 2020 11:55

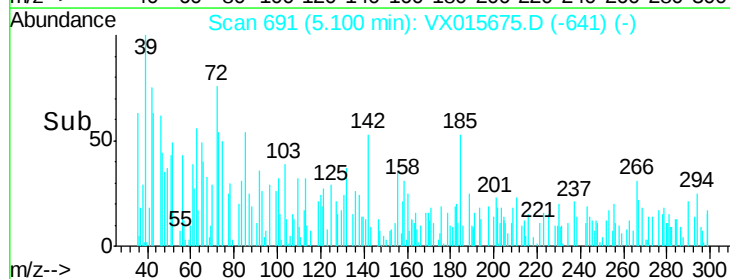
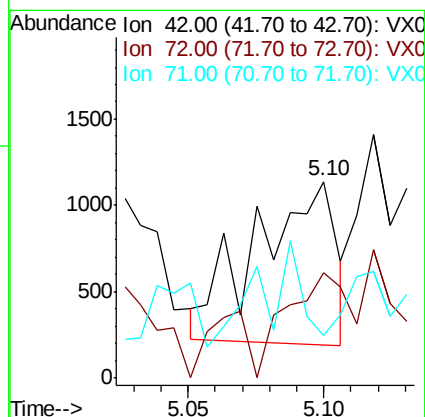
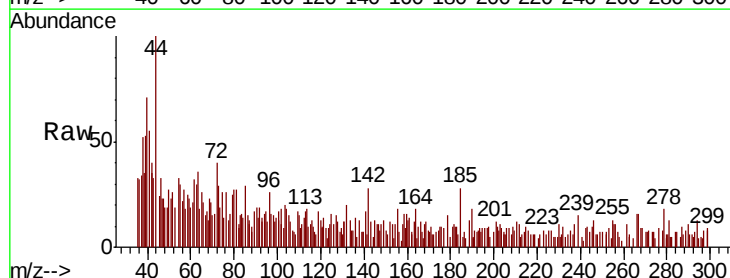
Tgt Ion: 42 Resp: 1890

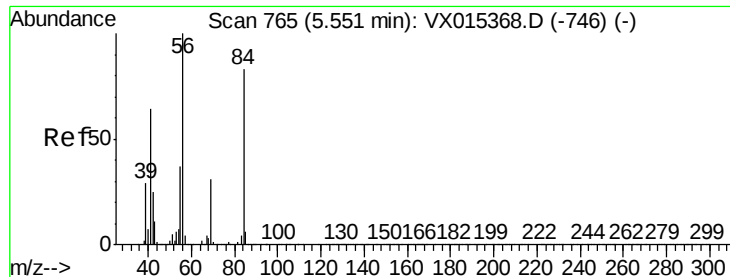
Ion Ratio Lower Upper

42 100

72 52.2 31.7 47.5#

71 0.0 29.6 44.4#

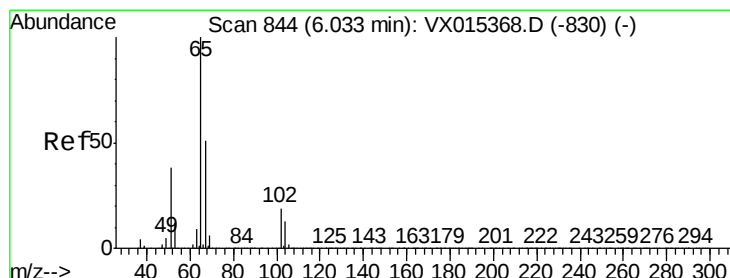
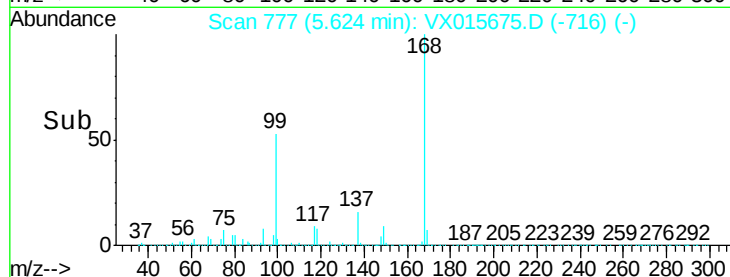
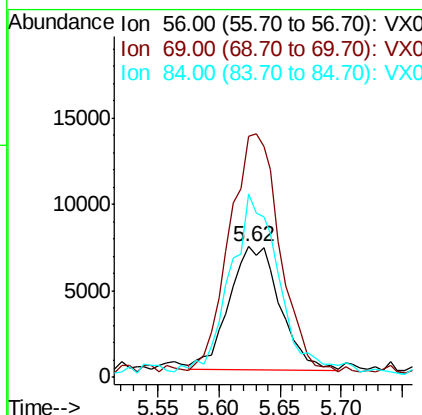
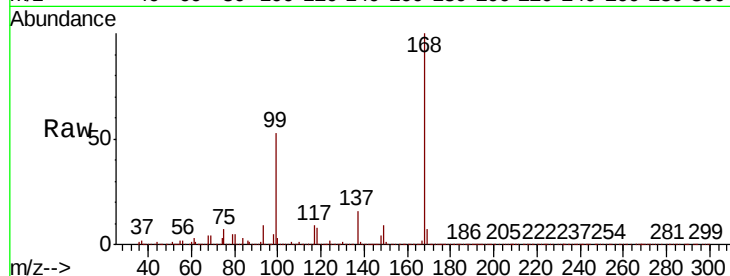




#31
Cyclohexane
Concen: 1.014 ug/l
RT: 5.62 min Scan# 777
Delta R.T. 0.07 min
Lab File: VX015675.D
Acq: 15 Apr 2020 11:55

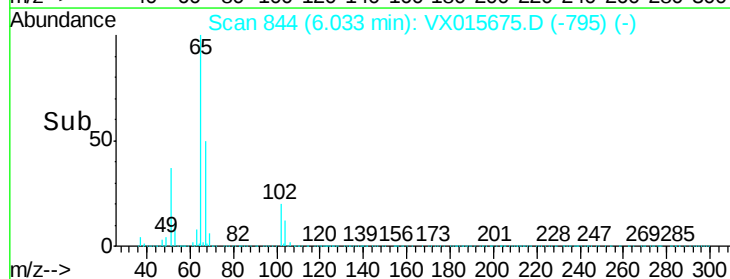
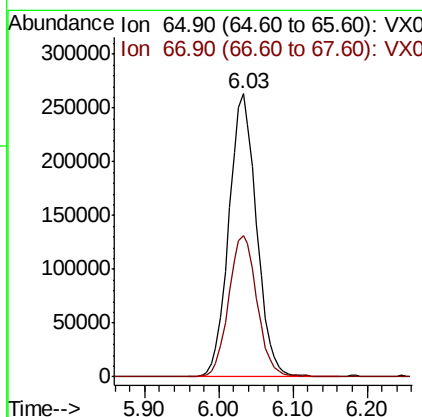
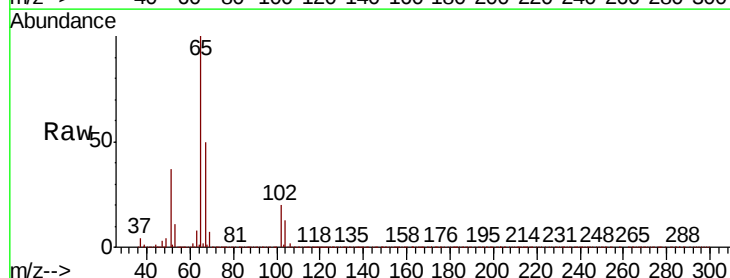
Instrument :
MSVOA_X
ClientSampleId :
VX0415WBL01

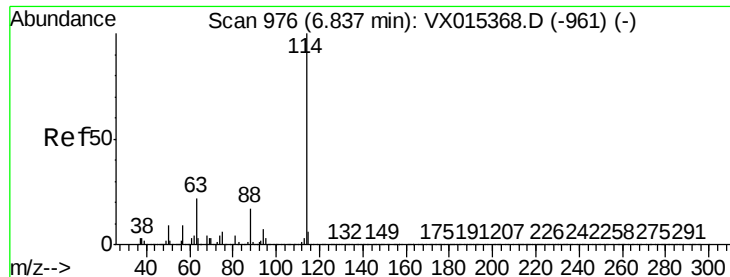
Tot Ion	Ratio	Lower	Upper
56	100		
69	191.4	24.6	36.8#
84	141.4	66.1	99.1#



#33
1,2-Dichloroethane-d4
Concen: 42.592 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015675.D
Acq: 15 Apr 2020 11:55

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.1	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: VX015675.D

Acq: 15 Apr 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBL01

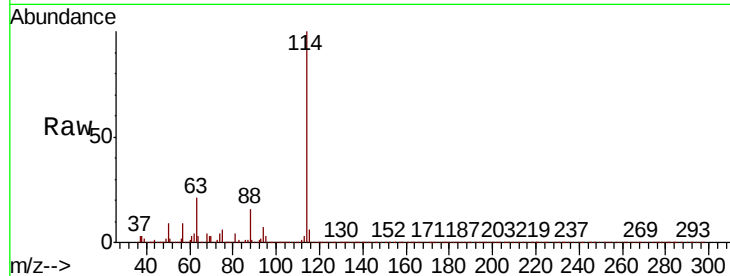
Tot Ion:114 Resp: 1739490

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.2

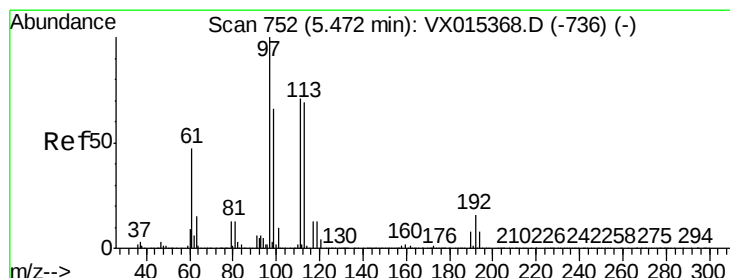
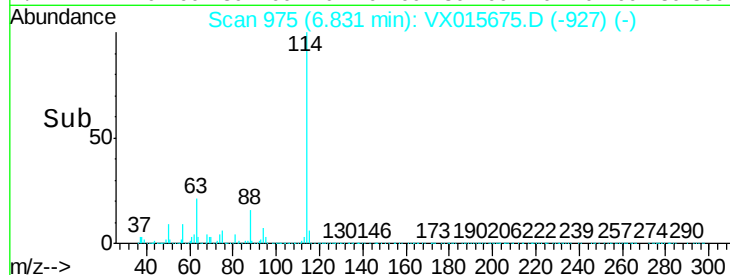
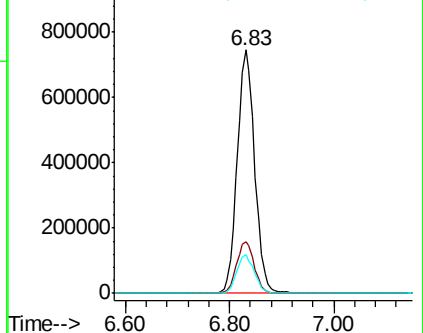
88 15.8 0.0 33.8



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: 47.792 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015675.D

Acq: 15 Apr 2020 11:55

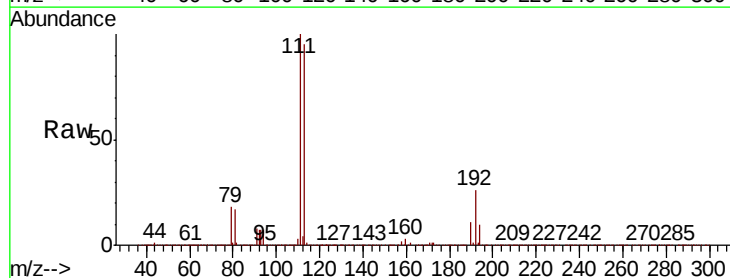
Tgt Ion:113 Resp: 531409

Ion Ratio Lower Upper

113 100

111 103.6 81.5 122.3

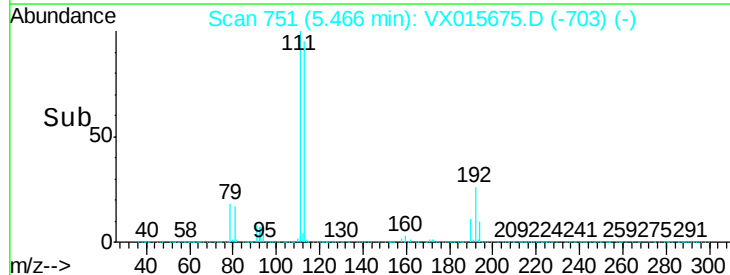
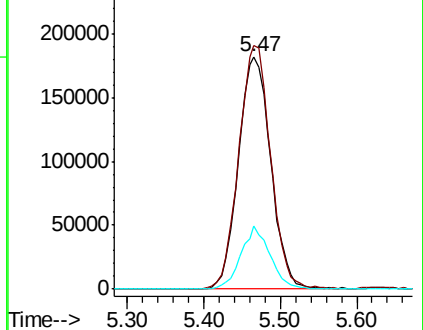
192 24.4 17.8 26.6

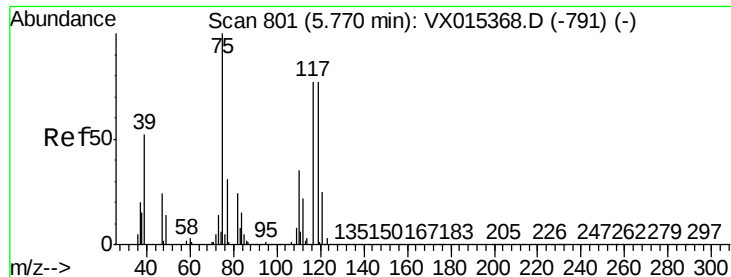


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

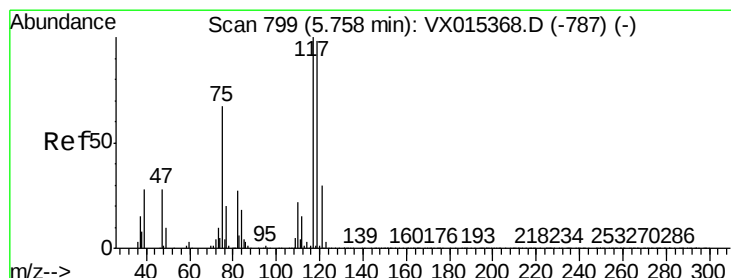
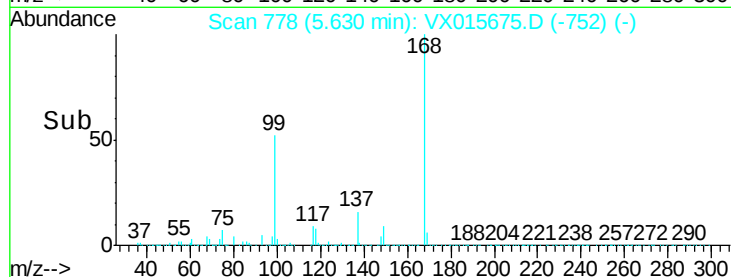
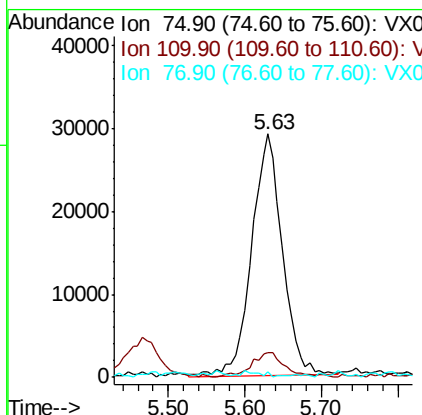
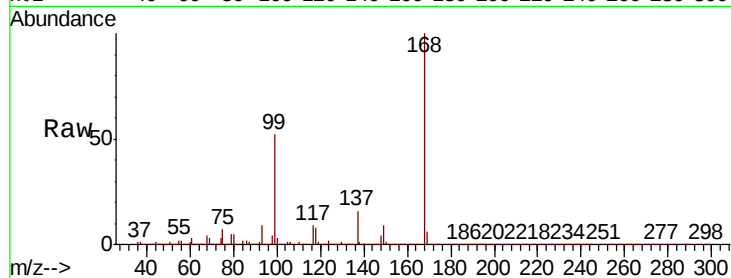




#36
 1,1-Dichloropropene
 Concen: 5.084 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015675.D
 Acq: 15 Apr 2020 11:55

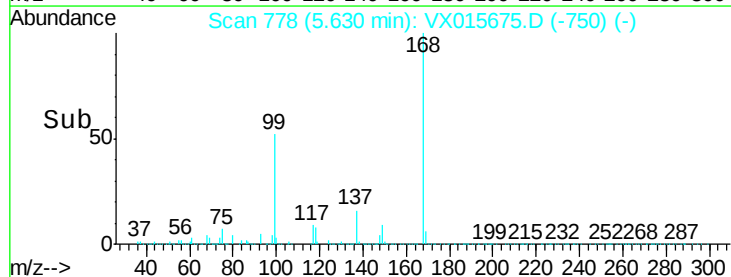
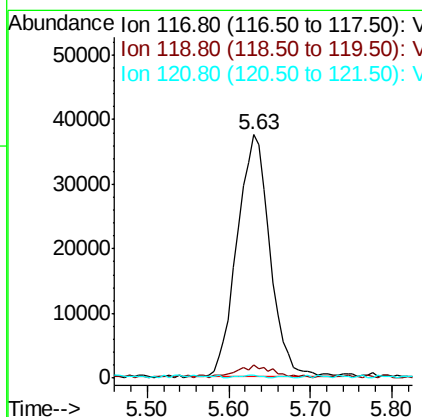
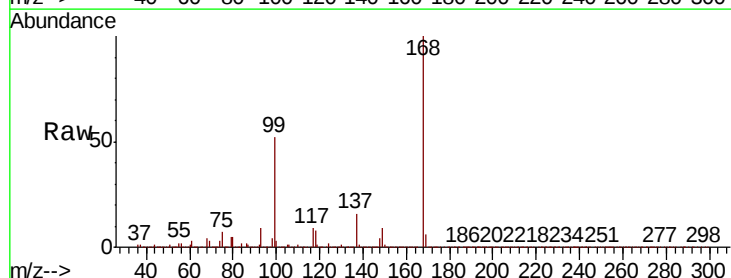
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBL01

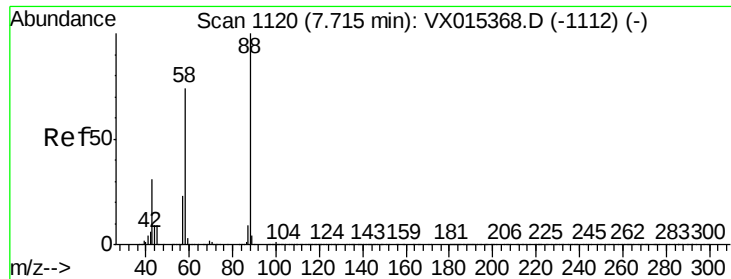
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.1	51.3#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.051 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015675.D
 Acq: 15 Apr 2020 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.0	117.0#
121	0.8	23.8	35.8#

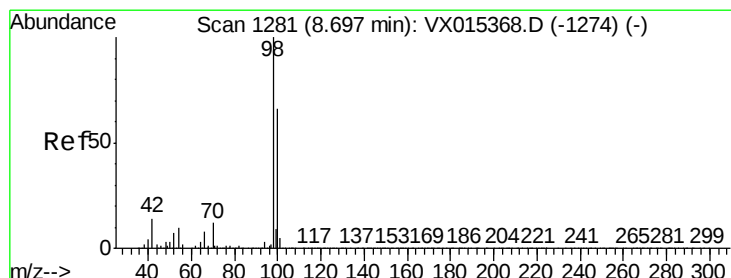
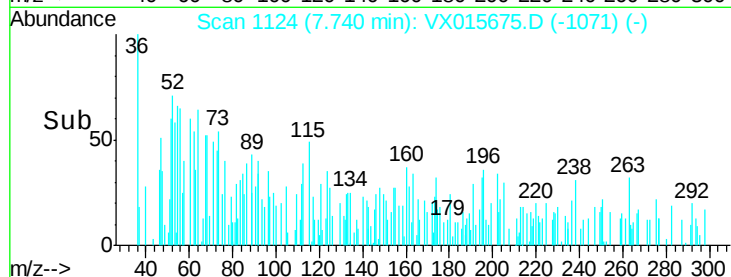
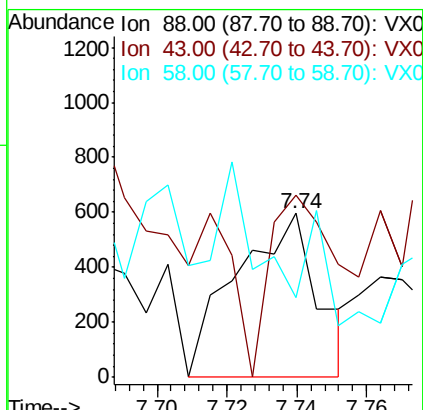
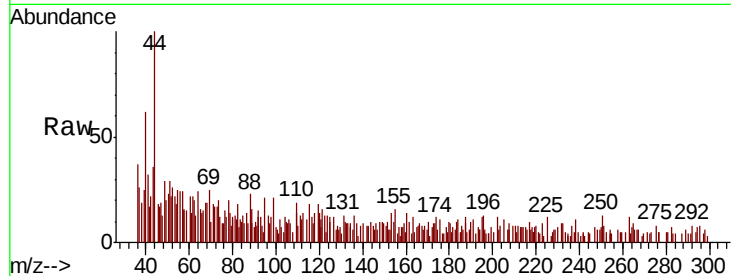




#49
1,4-Dioxane
Concen: 2.961 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.02 min
Lab File: VX015675.D
Acq: 15 Apr 2020 11:55

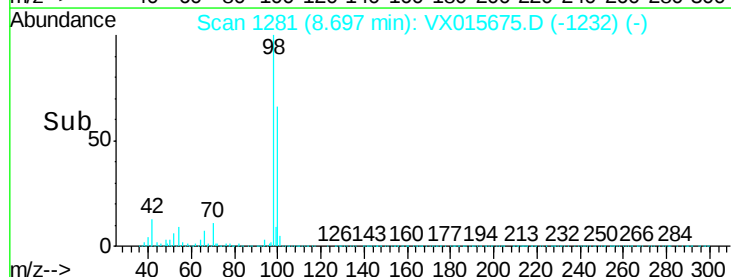
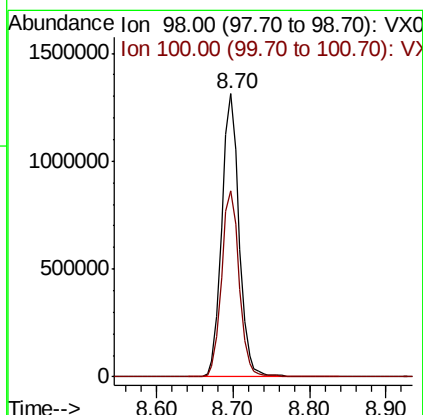
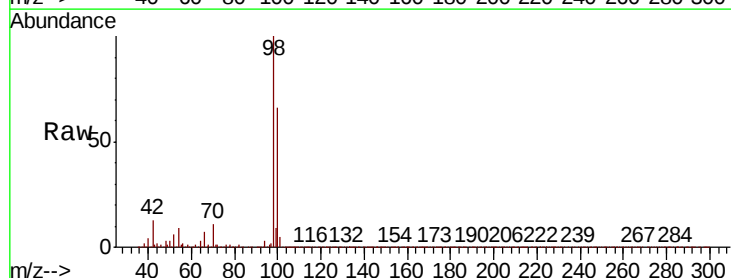
Instrument :
MSVOA_X
ClientSampleId :
VX0415WBL01

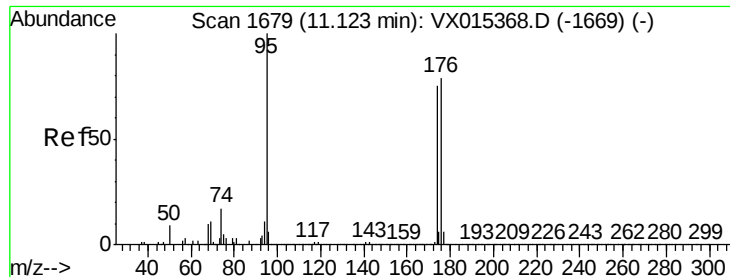
Tot Ion: 88 Resp: 972
Ion Ratio Lower Upper
88 100
43 96.6 30.1 45.1#
58 46.1 60.6 90.8#



#50
Toluene-d8
Concen: 50.293 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015675.D
Acq: 15 Apr 2020 11:55

Tgt Ion: 98 Resp: 2058922
Ion Ratio Lower Upper
98 100
100 66.8 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 50.495 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015675.D

Acq: 15 Apr 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBL01

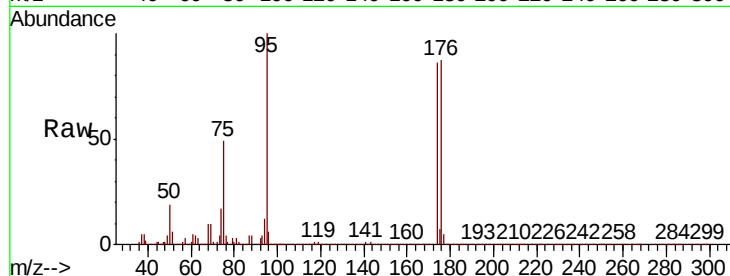
Tot Ion: 95 Resp: 840099

Ion Ratio Lower Upper

95 100

174 83.6 0.0 158.6

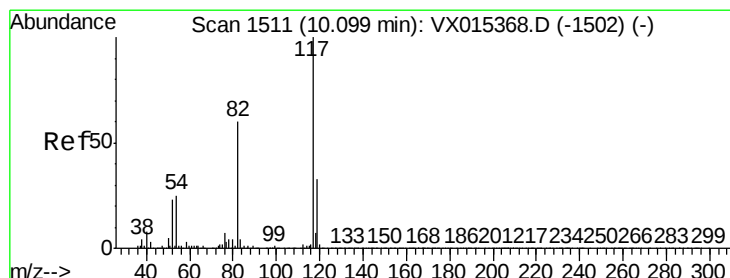
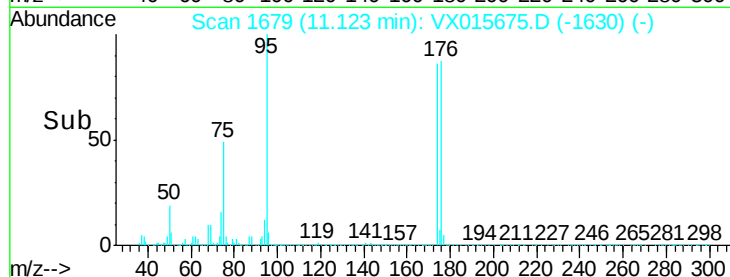
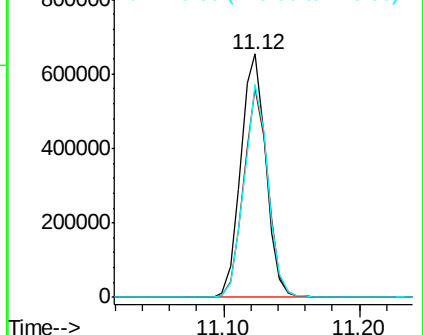
176 83.5 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015675.D

Acq: 15 Apr 2020 11:55

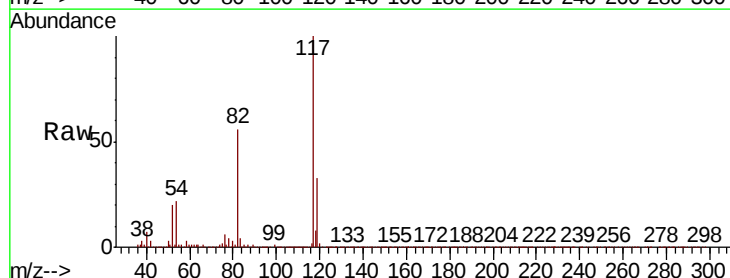
Tgt Ion: 117 Resp: 1626031

Ion Ratio Lower Upper

117 100

82 55.9 47.8 71.8

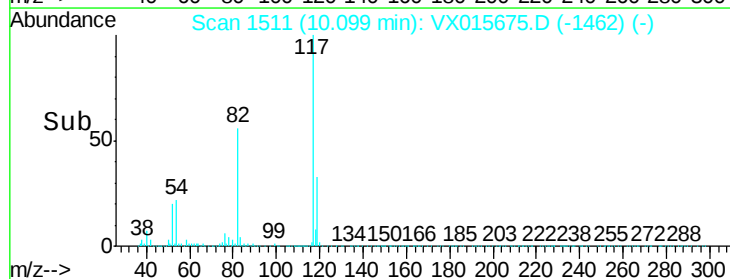
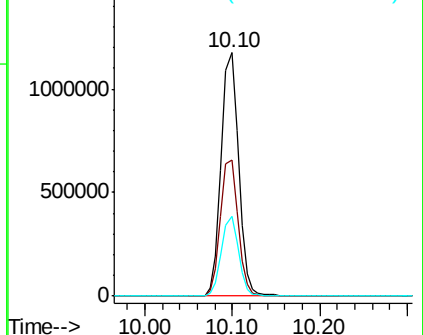
119 33.0 26.8 40.2

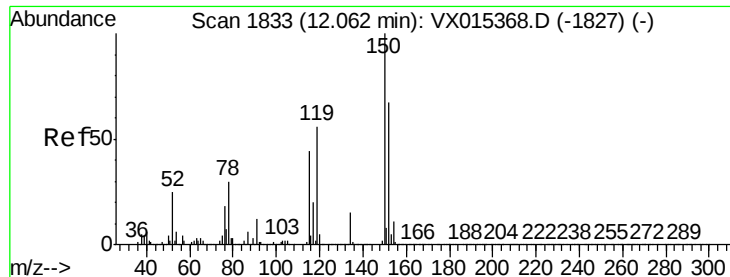


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015675.D

Acq: 15 Apr 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBL01

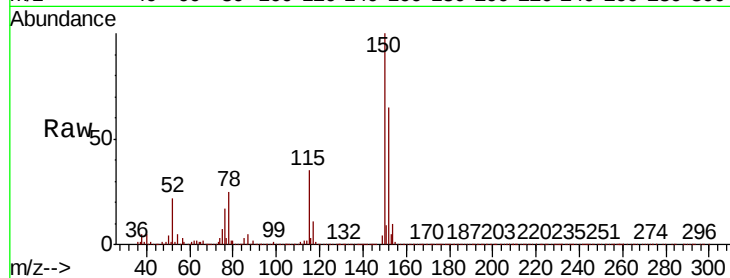
Tot Ion:152 Resp: 851814

Ion Ratio Lower Upper

152 100

115 54.9 39.0 116.9

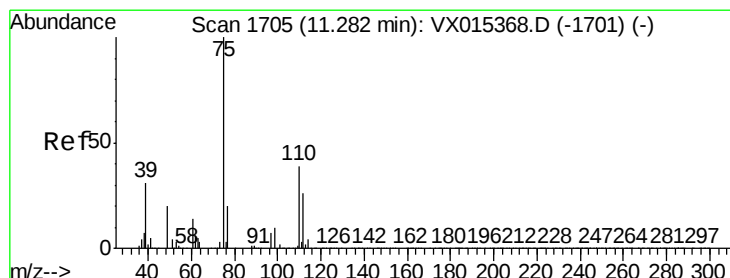
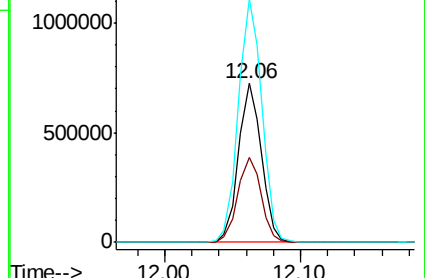
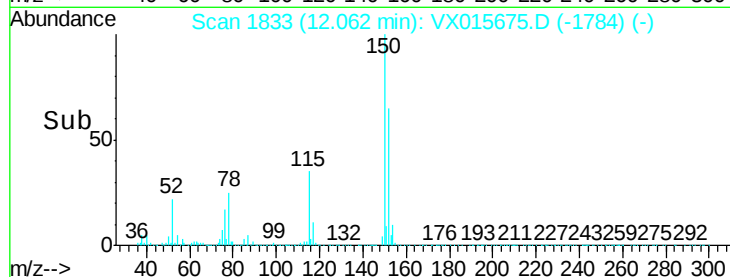
150 156.6 0.0 340.8



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: 24.101 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015675.D

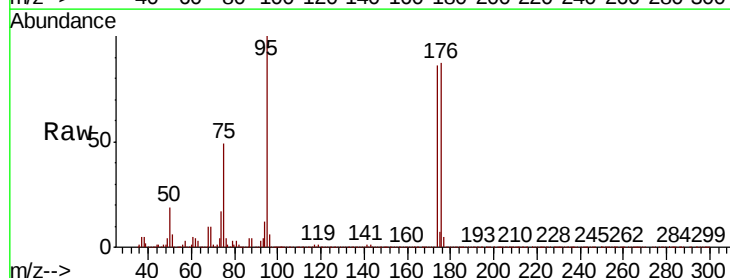
Acq: 15 Apr 2020 11:55

Tgt Ion: 75 Resp: 422172

Ion Ratio Lower Upper

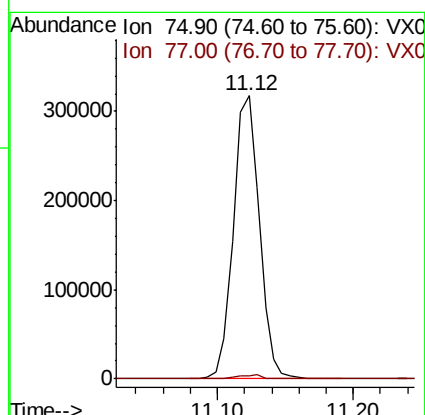
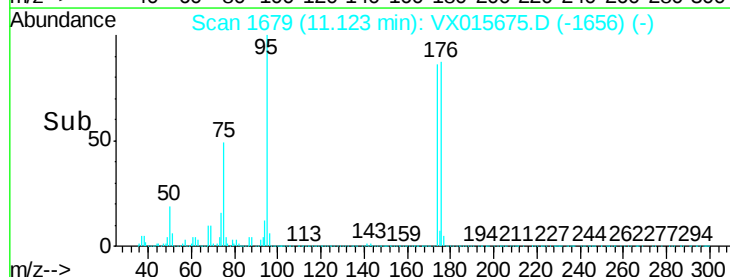
75 100

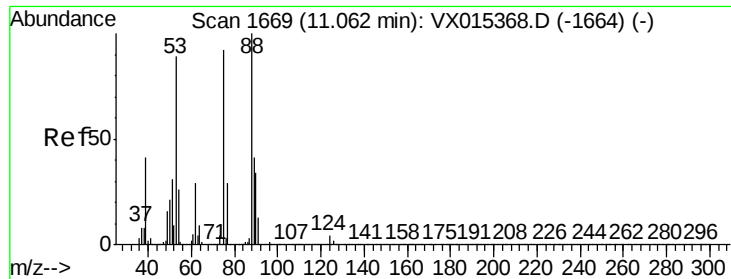
77 1.5 21.2 63.6#



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: 57.829 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015675.D

Acq: 15 Apr 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBL01

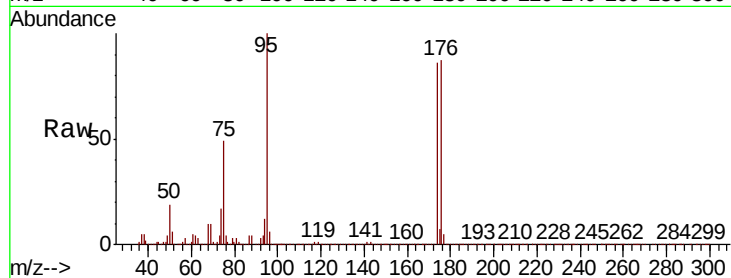
Tot Ion: 75 Resp: 422172

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.2 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

