

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013673.D
 Acq On : 28 Nov 2019 00:24
 Operator : JC/SP
 Sample : K6027-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 04:21:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	647019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1018091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	896402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	393195	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	372920	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	5.49	113	304071	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	8.71	98	1210393	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.14	95	398362	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	

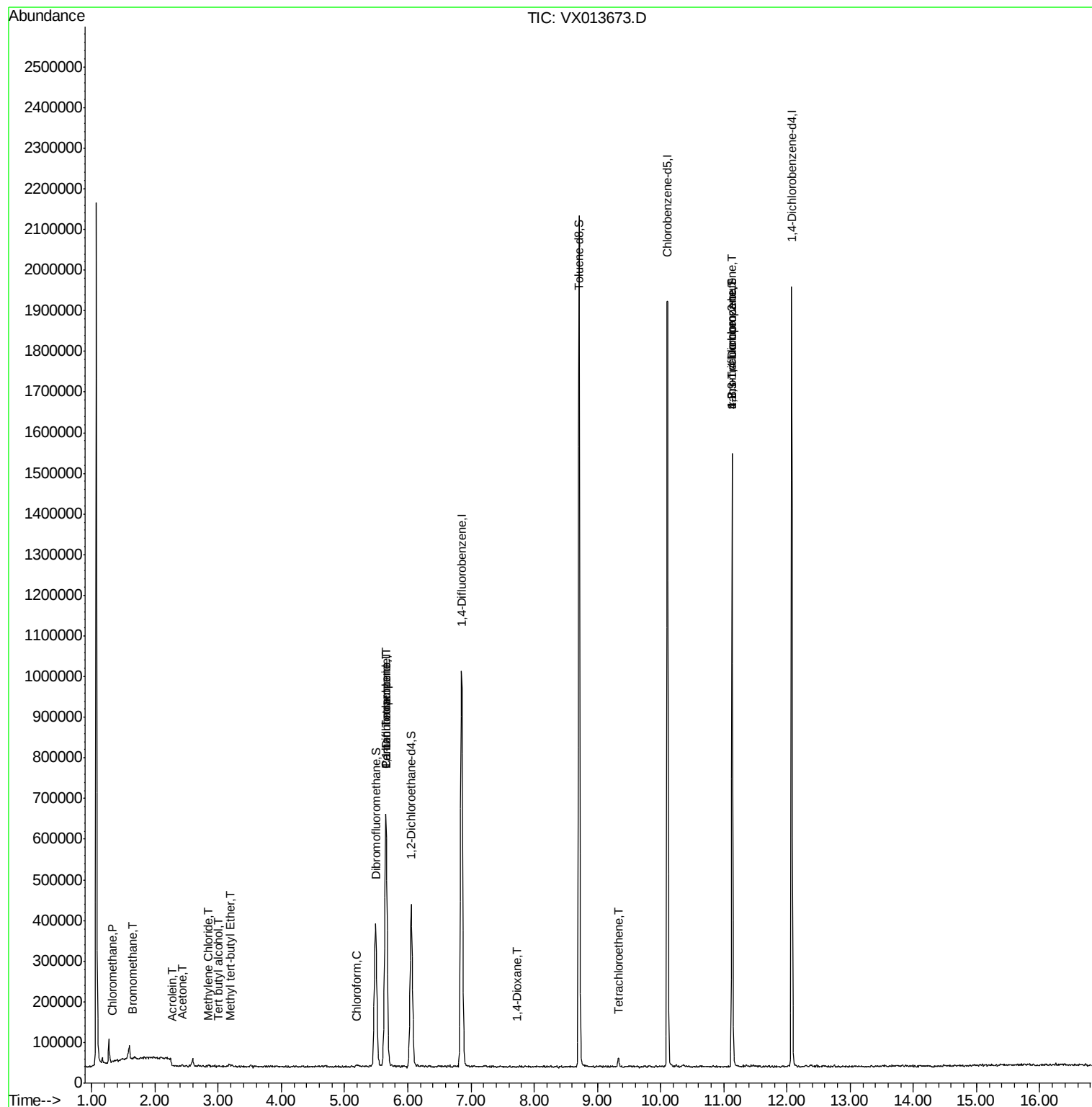
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1687	0.209	ug/l #	63
5) Bromomethane	1.64	94	1706	0.279	ug/l #	51
11) Tert butyl alcohol	3.01	59	510	0.275	ug/l #	1
13) Acrolein	2.28	56	226	6.182	ug/l #	15
16) Acetone	2.43	43	6856	1.849	ug/l #	80
19) Methyl tert-butyl Ether	3.19	73	6218	0.305	ug/l #	88
20) Methylene Chloride	2.84	84	1979	0.278	ug/l #	79
30) Chloroform	5.20	83	5666	0.475	ug/l	84
36) 1,1-Dichloropropene	5.65	75	41782	4.521	ug/l #	53
38) Carbon Tetrachloride	5.65	117	55990	6.570	ug/l #	16
49) 1,4-Dioxane	7.74	88	463	2.494	ug/l #	1
64) Tetrachloroethene	9.33	164	5054	0.756	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	193324	21.860	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	193324	59.806	ug/l #	11

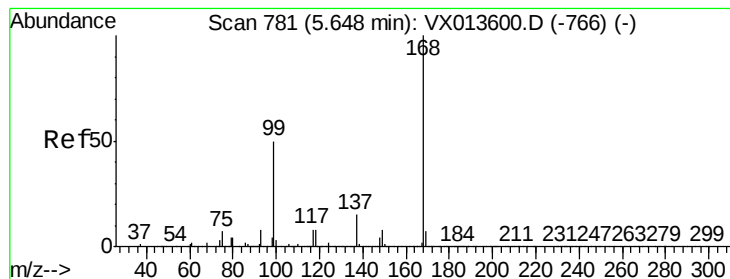
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013673.D

Acq: 28 Nov 2019 00:24

Instrument :

MSVOA_X

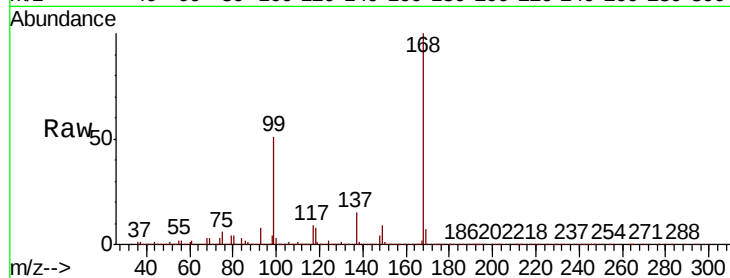
ClientSampleId :

Tot Ion:168 Resp: 647019

Ion Ratio Lower Upper

168 100

99 50.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

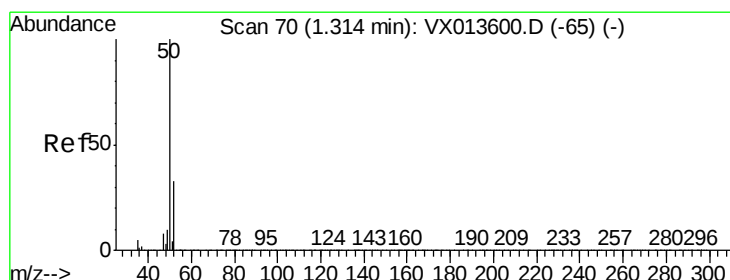
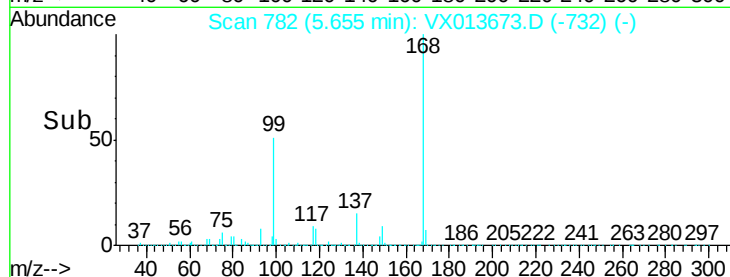
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013673.D

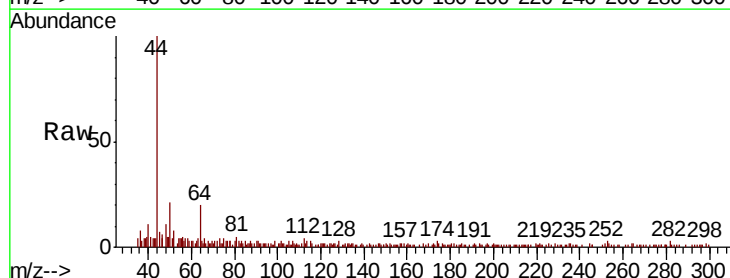
Acq: 28 Nov 2019 00:24

Tgt Ion: 50 Resp: 1687

Ion Ratio Lower Upper

50 100

52 11.9 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

1500

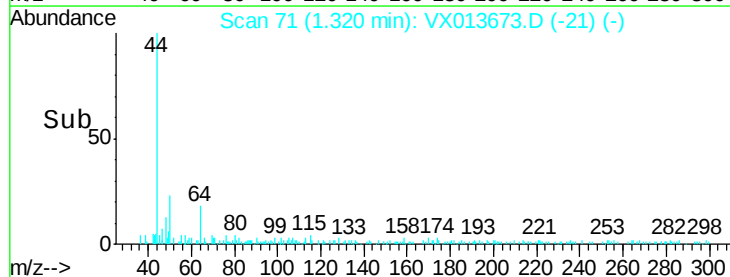
1000

500

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.279 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013673.D

Acq: 28 Nov 2019 00:24

Instrument :

MSVOA_X

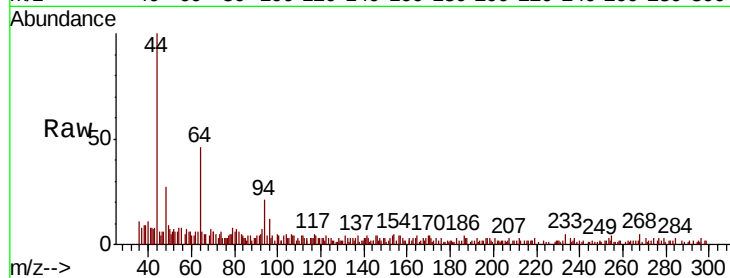
ClientSampled :

Tot Ion: 94 Resp: 1706

Ion Ratio Lower Upper

94 100

96 48.2 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

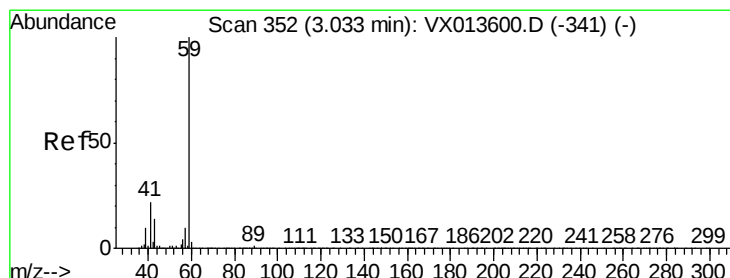
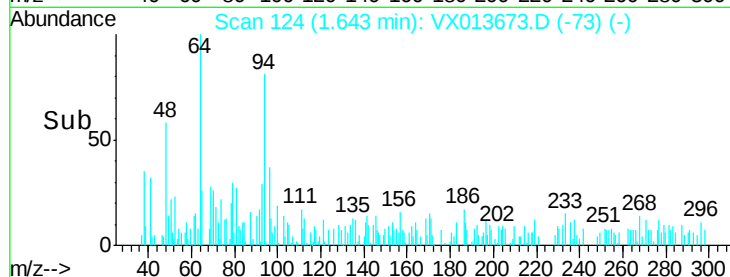
600

400

200

0

Time--> 1.60 1.65 1.70



#11

Tert butyl alcohol

Concen: 0.275 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013673.D

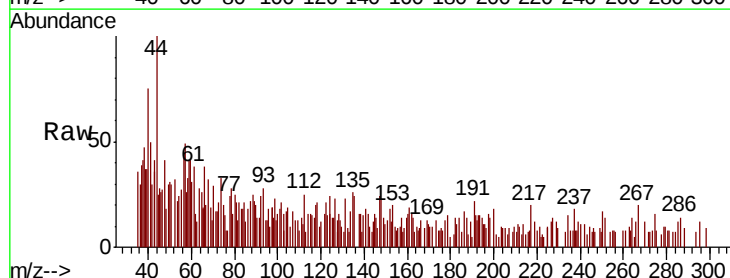
Acq: 28 Nov 2019 00:24

Tgt Ion: 59 Resp: 510

Ion Ratio Lower Upper

59 100

57 111.2 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

800

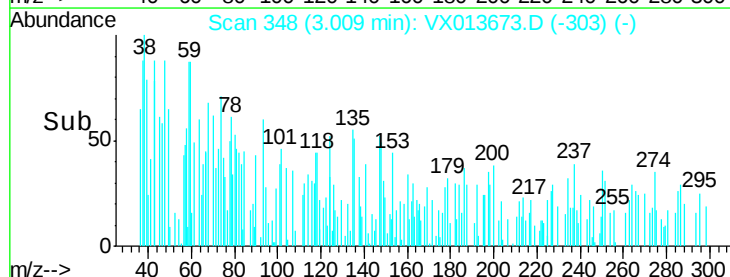
600

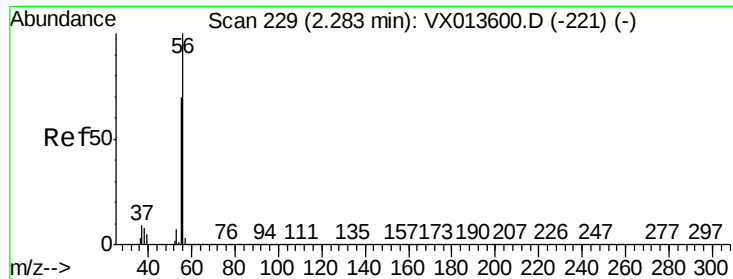
400

200

0

Time--> 2.98 2.99 3.00 3.01 3.02





#13

Acrolein

Concen: 6.182 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013673.D

Acq: 28 Nov 2019 00:24

Instrument :

MSVOA_X

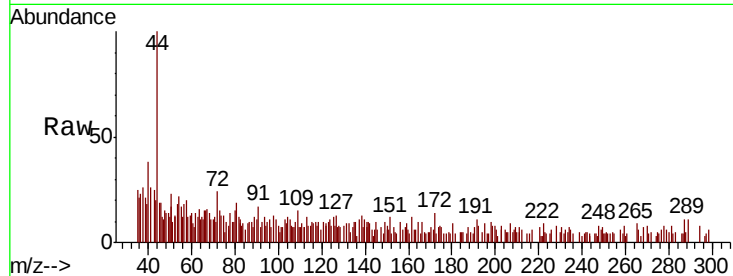
ClientSampleId :

Tot Ion: 56 Resp: 226

Ion Ratio Lower Upper

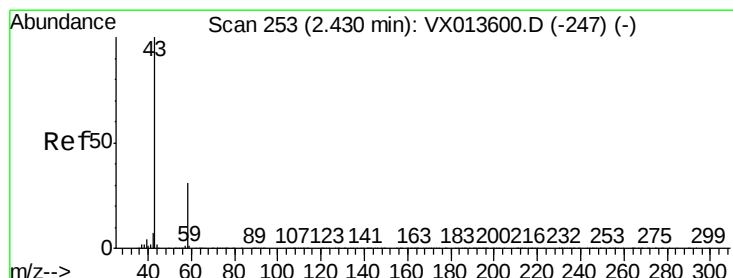
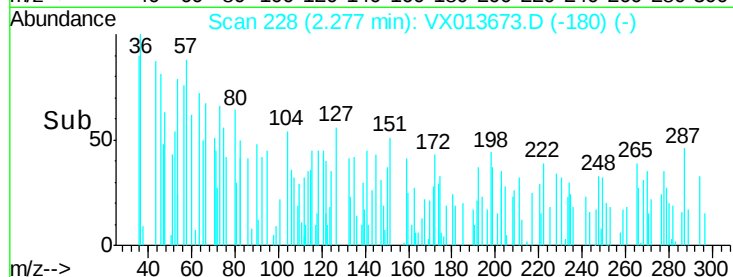
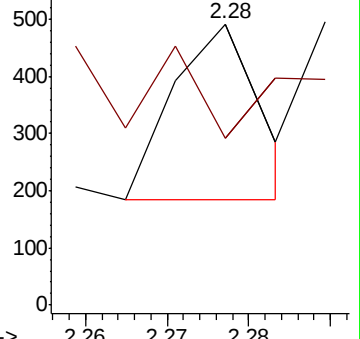
56 100

55 0.0 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.849 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013673.D

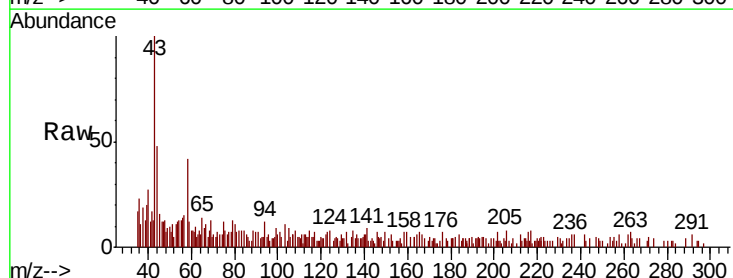
Acq: 28 Nov 2019 00:24

Tgt Ion: 43 Resp: 6856

Ion Ratio Lower Upper

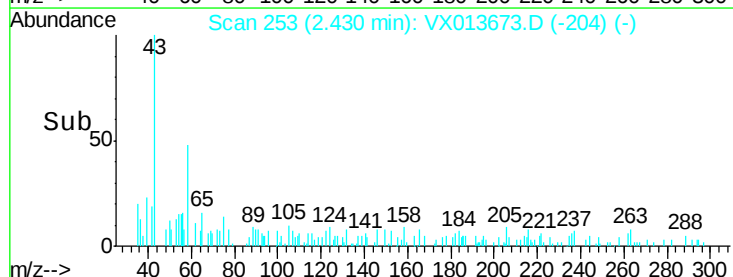
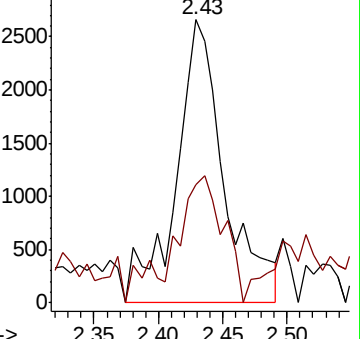
43 100

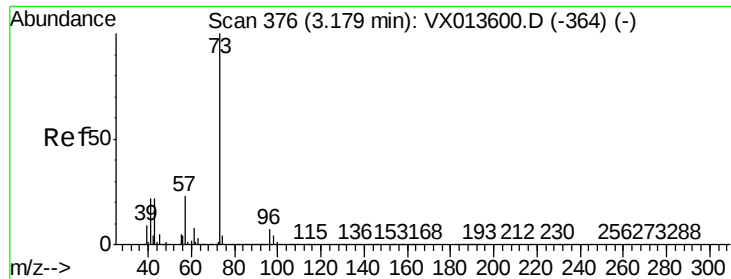
58 41.7 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

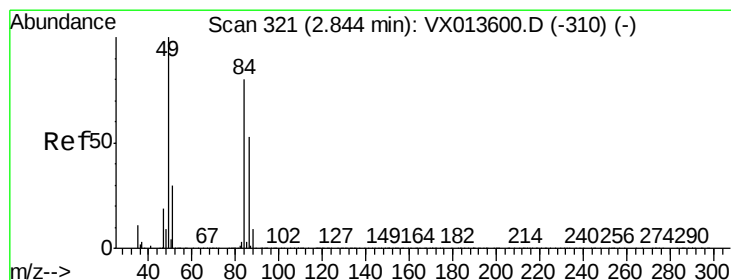
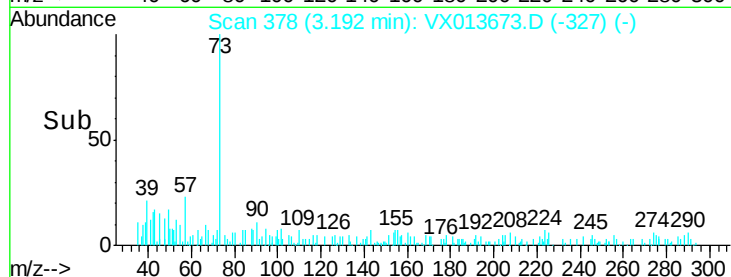
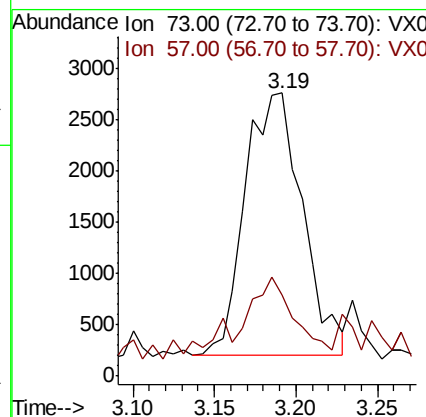
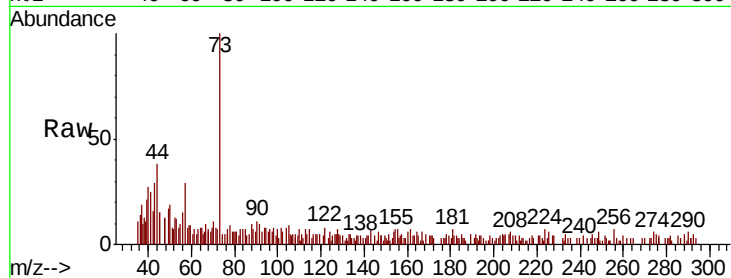




#19
Methyl tert-butyl Ether
Concen: 0.305 ug/l
RT: 3.19 min Scan# 378
Delta R.T. 0.01 min
Lab File: VX013673.D
Acq: 28 Nov 2019 00:24

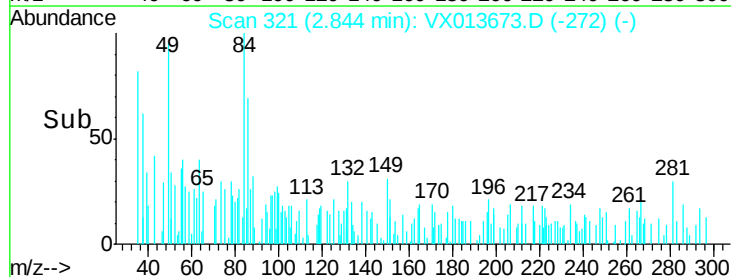
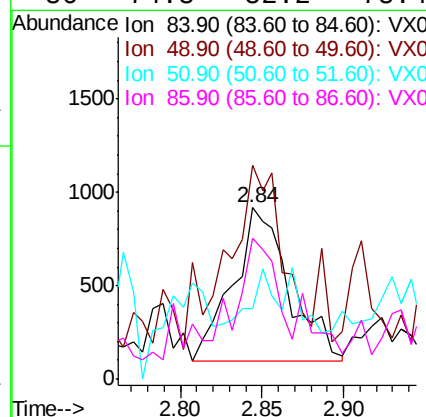
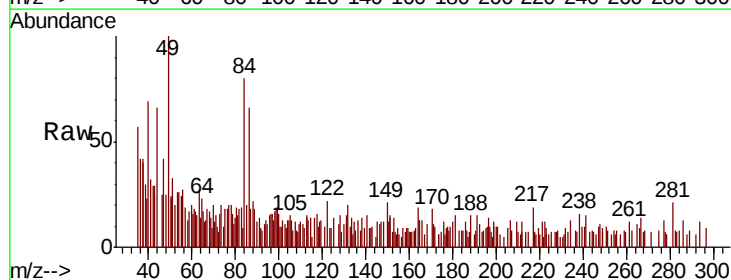
Instrument :
MSVOA_X
ClientSampleId :

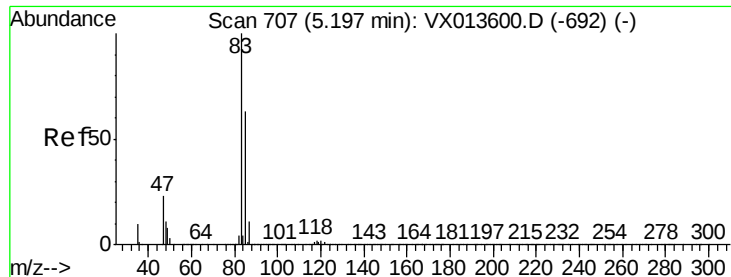
Tot Ion: 73 Resp: 6218
Ion Ratio Lower Upper
73 100
57 17.3 18.3 27.5#



#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013673.D
Acq: 28 Nov 2019 00:24

Tgt Ion: 84 Resp: 1979
Ion Ratio Lower Upper
84 100
49 108.1 99.7 149.5
51 1.6 29.9 44.9#
86 74.8 52.2 78.4

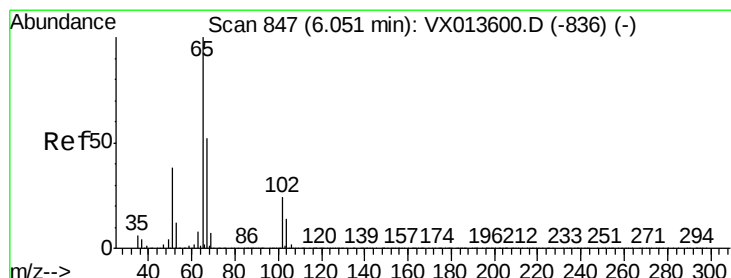
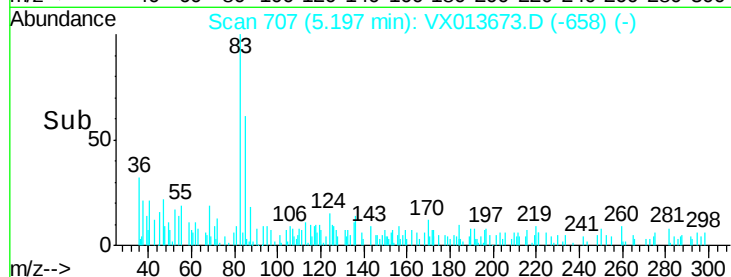
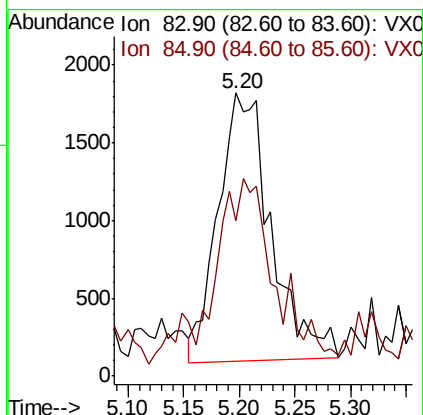
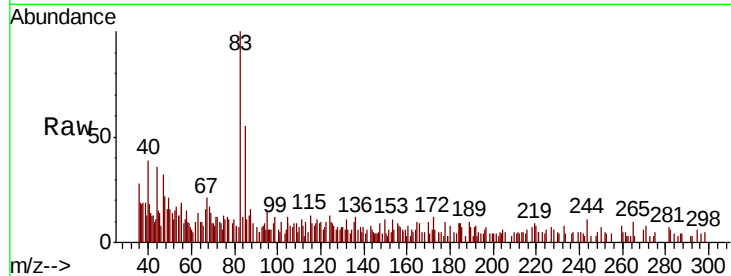




#30
Chloroform
Concen: 0.475 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013673.D
Acq: 28 Nov 2019 00:24

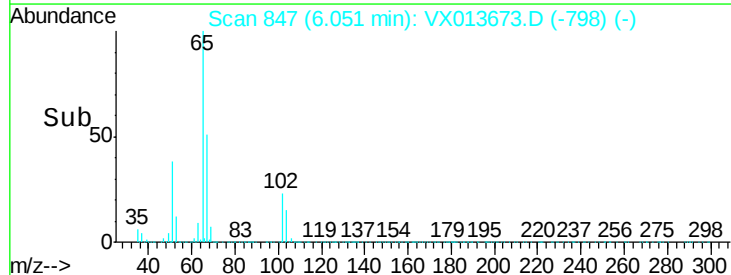
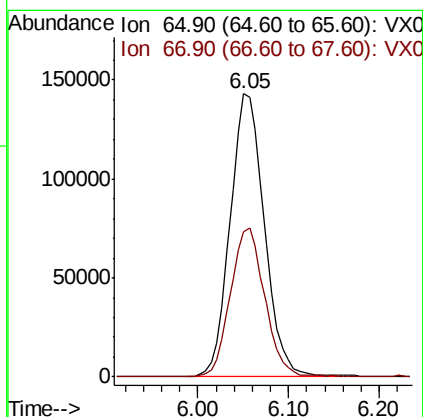
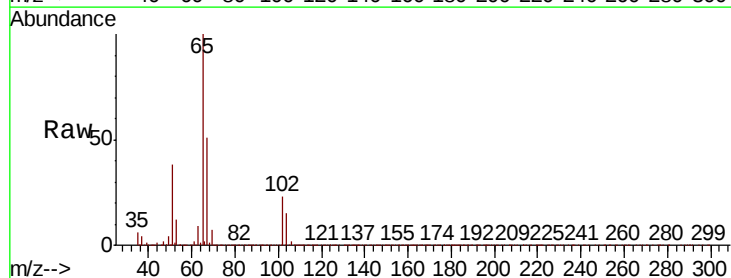
Instrument :
MSVOA_X
ClientSampled :

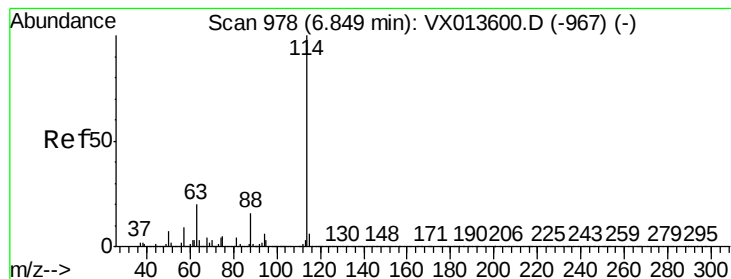
Tot Ion: 83 Resp: 5666
Ion Ratio Lower Upper
83 100
85 50.8 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: 49.654 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013673.D
Acq: 28 Nov 2019 00:24

Tgt Ion: 65 Resp: 372920
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013673.D

Acq: 28 Nov 2019 00:24

Instrument :

MSVOA_X

ClientSampled :

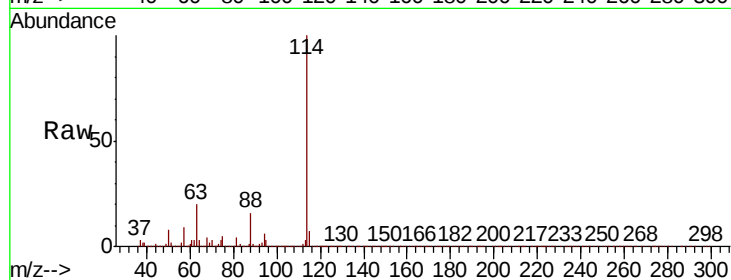
Tot Ion:114 Resp: 1018091

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

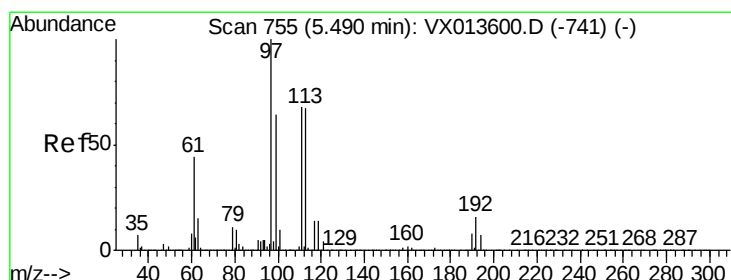
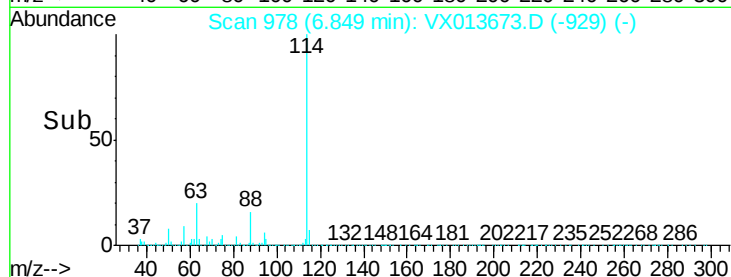
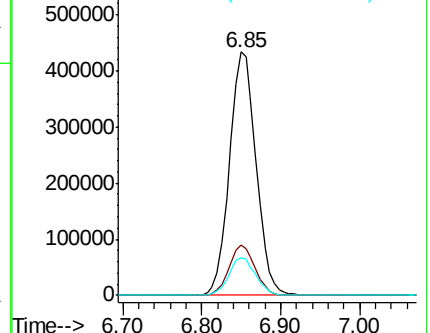
88 15.5 0.0 31.4



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: 48.312 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013673.D

Acq: 28 Nov 2019 00:24

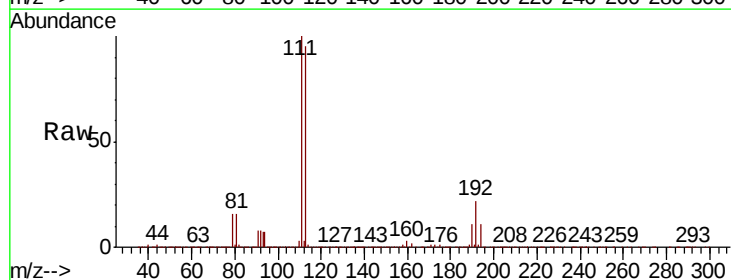
Tgt Ion:113 Resp: 304071

Ion Ratio Lower Upper

113 100

111 102.9 83.6 125.4

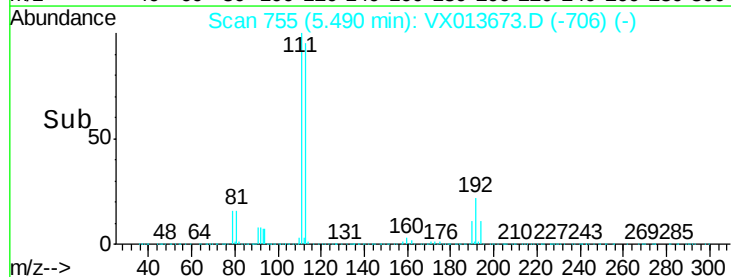
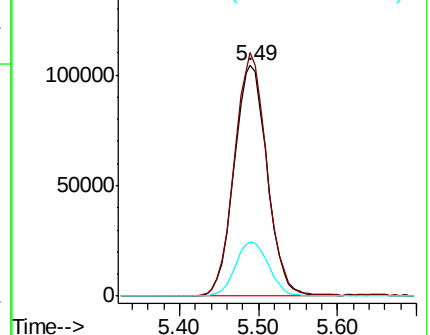
192 23.9 19.2 28.8

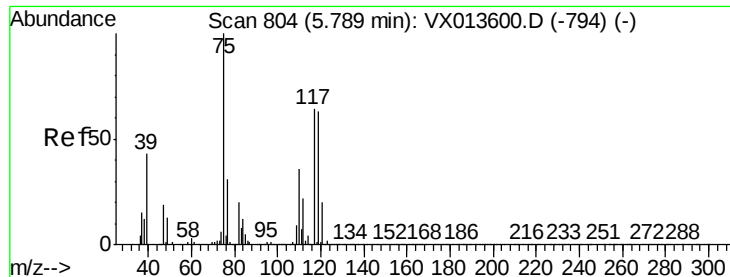


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

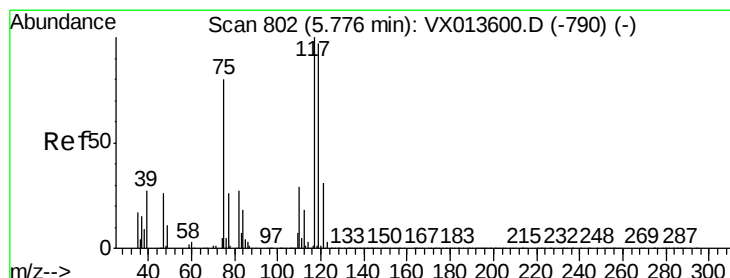
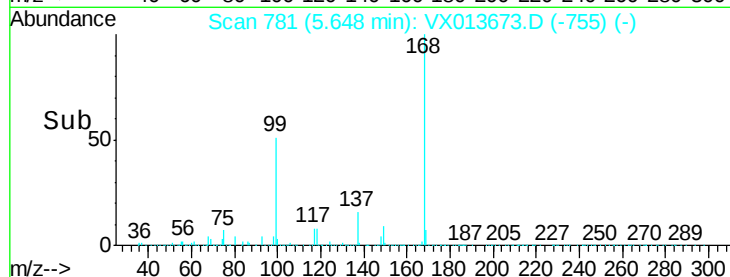
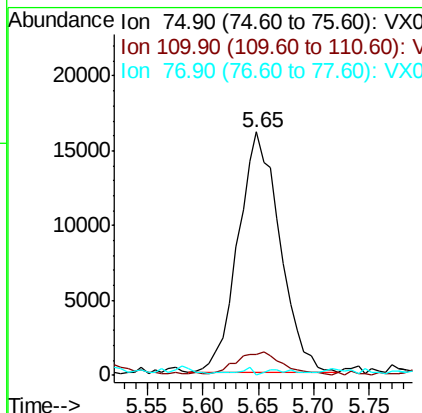
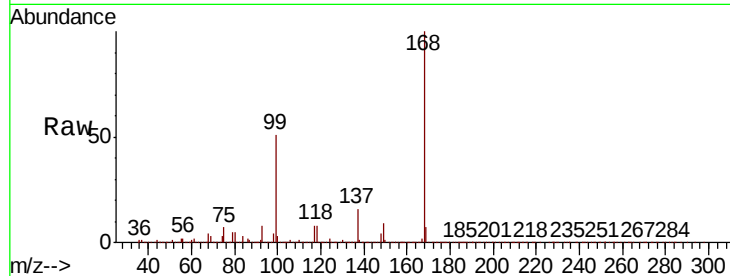




#36
 1,1-Dichloropropene
 Concen: 4.521 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013673.D
 Acq: 28 Nov 2019 00:24

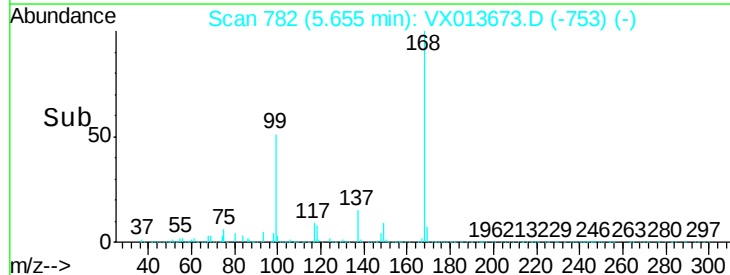
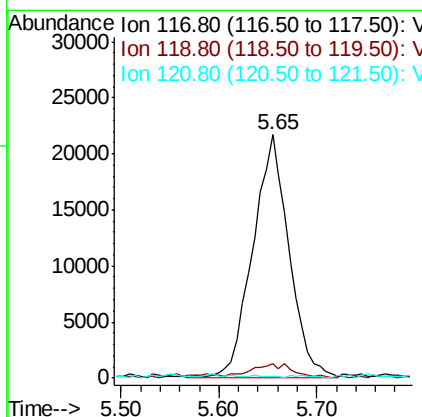
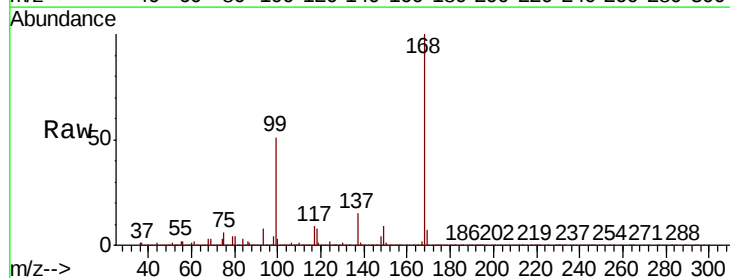
Instrument :
 MSVOA_X
 ClientSampleId :

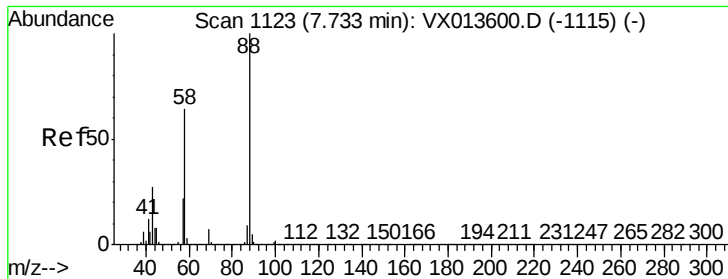
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.1	54.1#
77	1.6	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.570 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX013673.D
 Acq: 28 Nov 2019 00:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.5	116.3#
121	0.7	25.0	37.6#

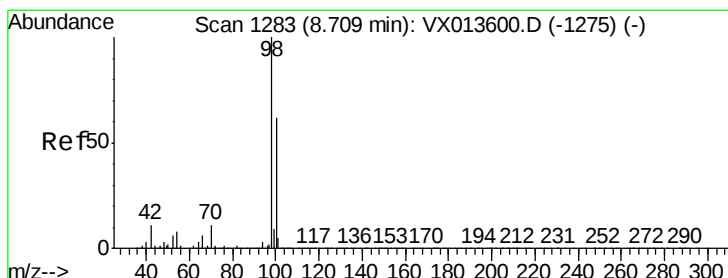
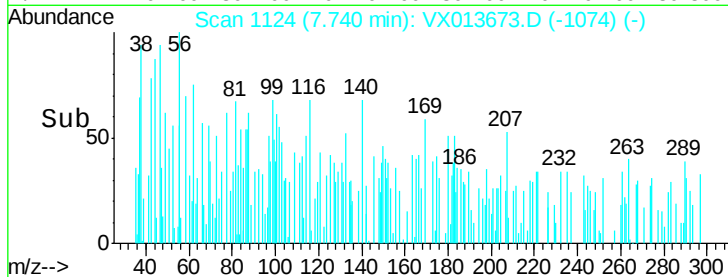
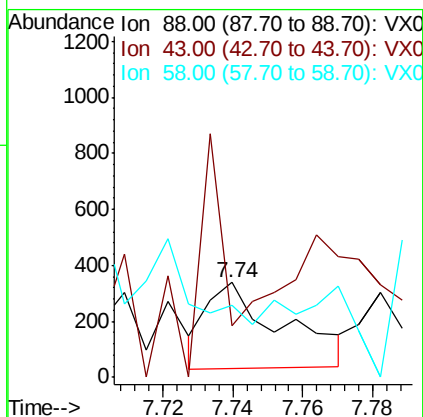
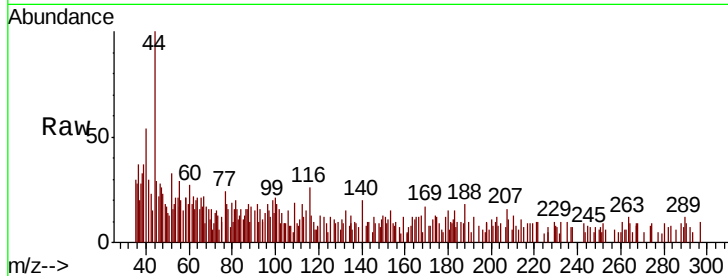




#49
1,4-Dioxane
Concen: 2.494 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013673.D
Acq: 28 Nov 2019 00:24

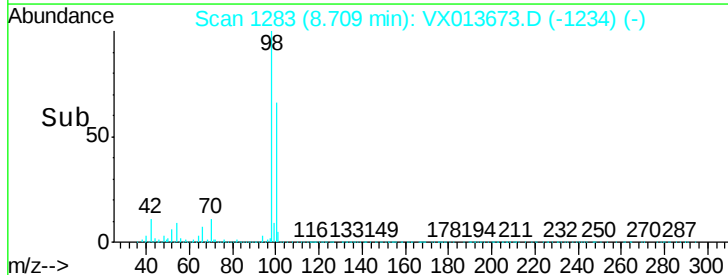
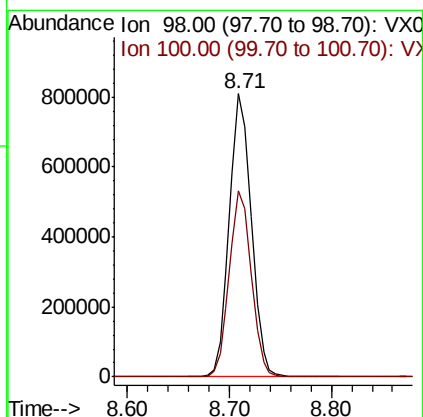
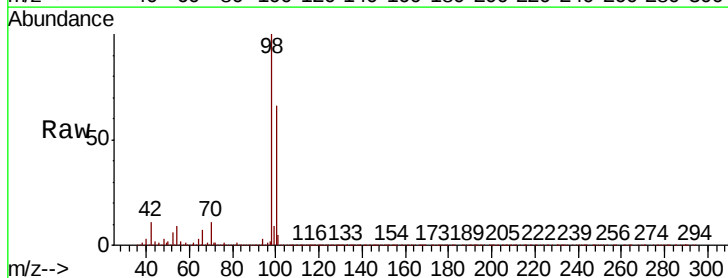
Instrument :
MSVOA_X
ClientSampleId :

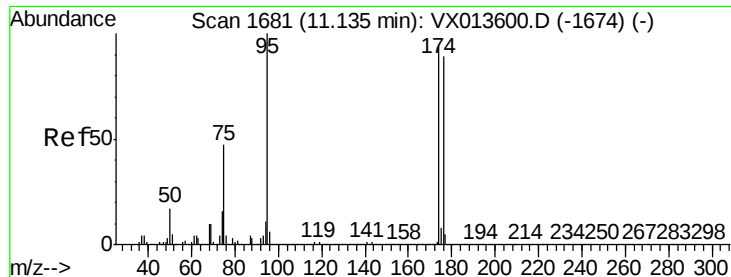
Tot Ion: 88 Resp: 463
Ion Ratio Lower Upper
88 100
43 133.3 25.8 38.6#
58 0.0 54.6 82.0#



#50
Toluene-d8
Concen: 49.359 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013673.D
Acq: 28 Nov 2019 00:24

Tgt Ion: 98 Resp: 1210393
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 45.050 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013673.D

Acq: 28 Nov 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

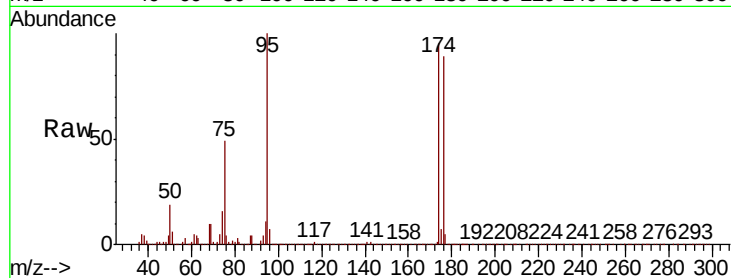
Tot Ion: 95 Resp: 398362

Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.0

176 86.1 0.0 173.6

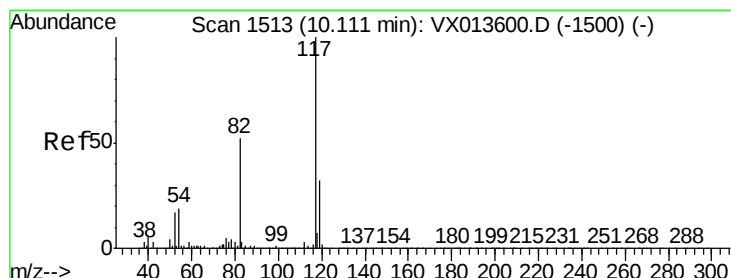
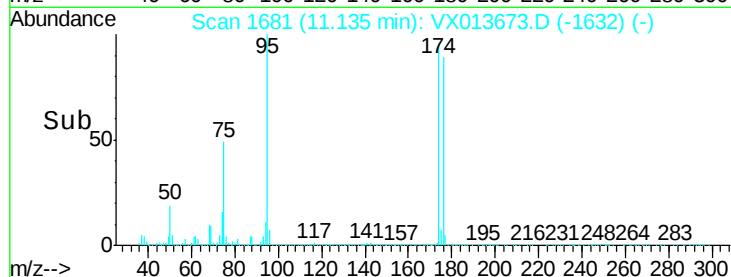


Abundance Ion 94.90 (94.60 to 95.60): VX013673.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013673.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013673.D (-1674) (-)

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013673.D

Acq: 28 Nov 2019 00:24

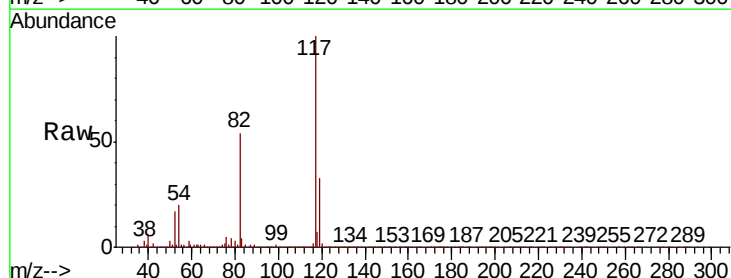
Tgt Ion: 117 Resp: 896402

Ion Ratio Lower Upper

117 100

82 53.7 41.8 62.8

119 33.1 25.8 38.8

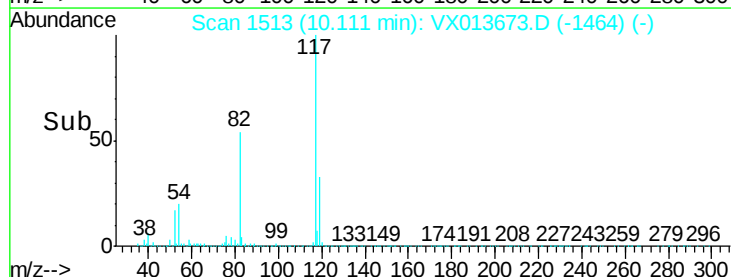


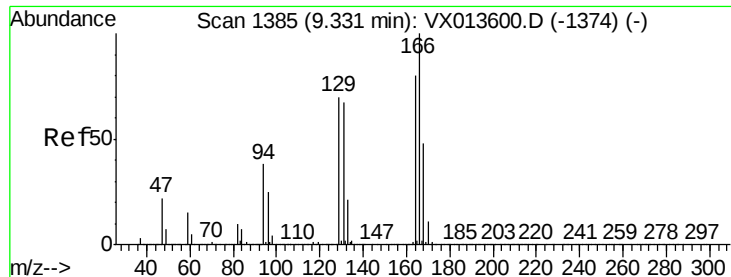
Abundance Ion 116.90 (116.60 to 117.60): VX013673.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013673.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013673.D (-1464) (-)

Time--> 10.00 10.10 10.20

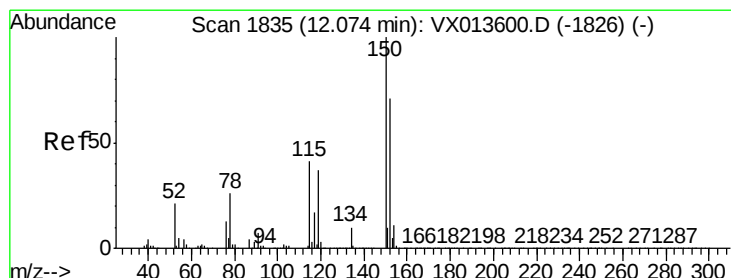
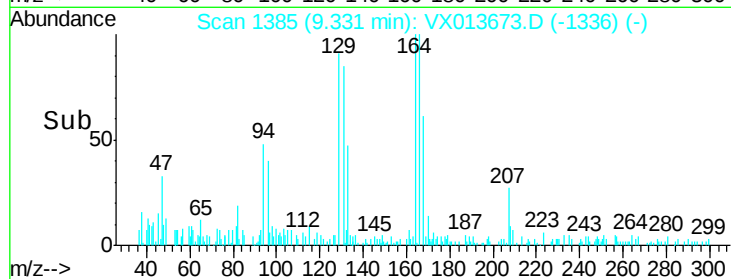
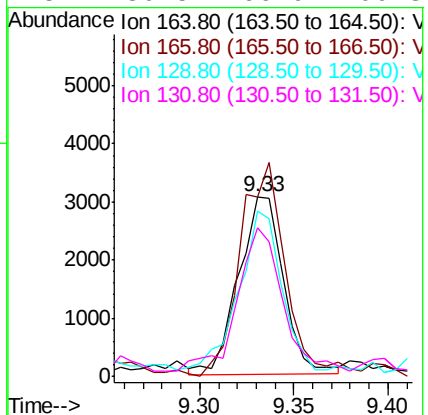
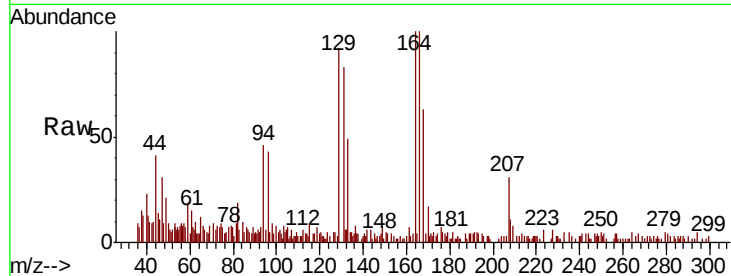




#64
Tetrachloroethene
Concen: 0.756 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013673.D
Acq: 28 Nov 2019 00:24

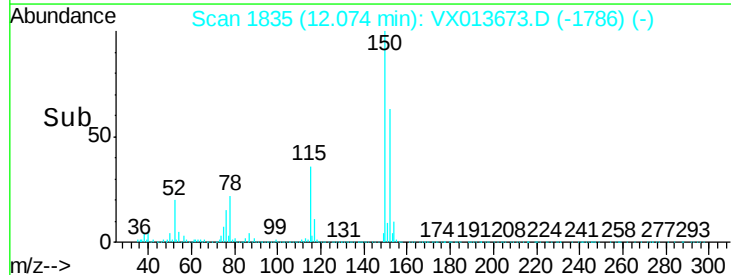
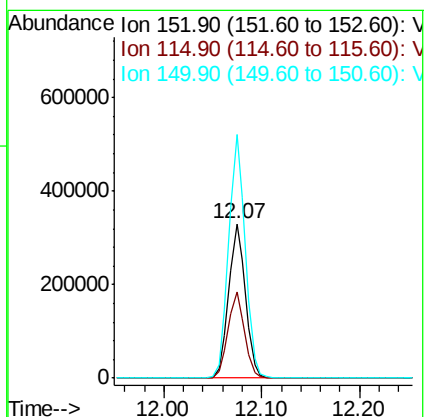
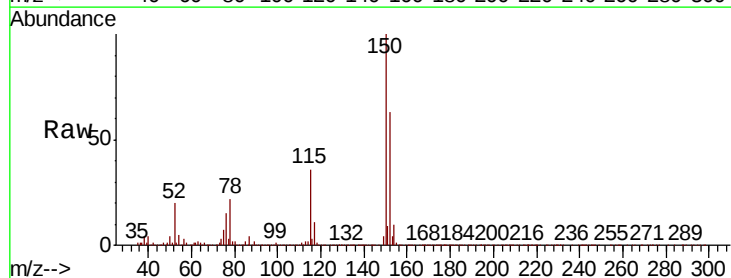
Instrument :
MSVOA_X
ClientSampleId :

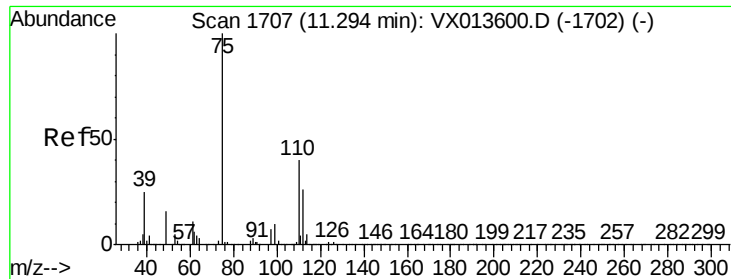
Tot Ion:164 Resp: 5054
Ion Ratio Lower Upper
164 100
166 103.2 99.7 149.5
129 91.3 70.1 105.1
131 80.5 66.9 100.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013673.D
Acq: 28 Nov 2019 00:24

Tgt Ion:152 Resp: 393195
Ion Ratio Lower Upper
152 100
115 55.1 38.4 115.1
150 156.0 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 21.860 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013673.D

Acq: 28 Nov 2019 00:24

Instrument :

MSVOA_X

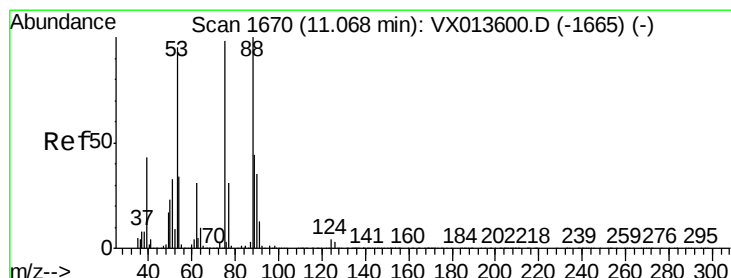
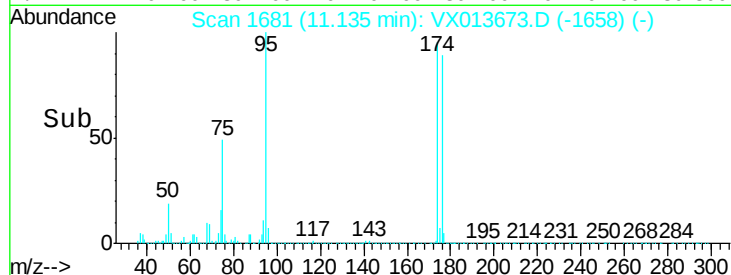
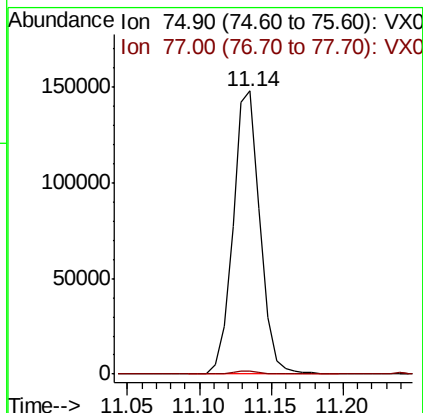
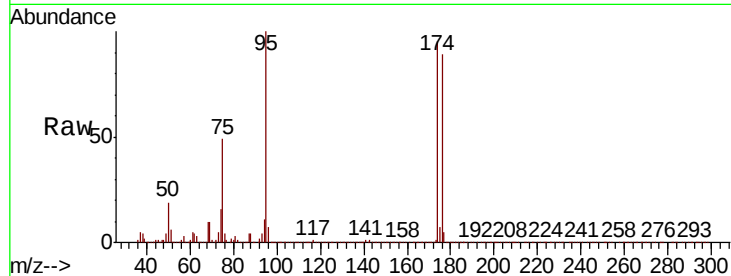
ClientSampleId :

Tot Ion: 75 Resp: 193324

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.806 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013673.D

Acq: 28 Nov 2019 00:24

Tgt Ion: 75 Resp: 193324

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.2 35.4 53.2#

