

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013790.D
 Acq On : 06 Dec 2019 11:36
 Operator : JC/SP
 Sample : K6184-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20191202

Quant Time: Dec 07 02:35:13 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	680073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1037222	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	921080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	422949	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	373422	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
35) Dibromofluoromethane	5.48	113	308578	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
50) Toluene-d8	8.71	98	1220473	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.13	95	419904	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

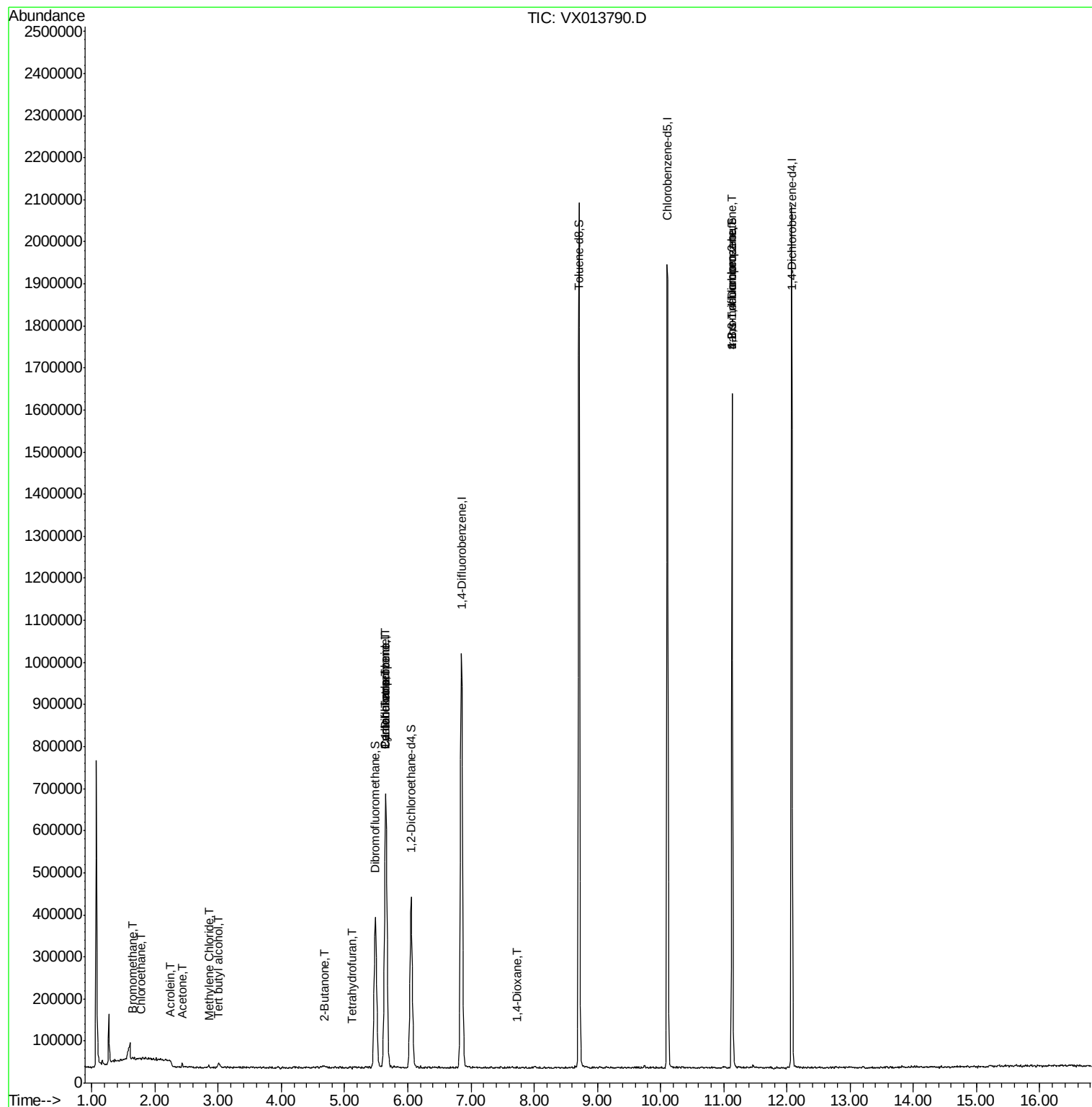
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2001	0.312	ug/l #	56
6) Chloroethane	1.77	64	1340	0.246	ug/l #	41
11) Tert butyl alcohol	3.01	59	6168	3.165	ug/l #	74
13) Acrolein	2.25	56	219	6.168	ug/l #	1
16) Acetone	2.43	43	8537	2.190	ug/l	90
20) Methylene Chloride	2.84	84	2307	0.308	ug/l #	89
25) 2-Butanone	4.68	43	3387	0.585	ug/l #	67
29) Tetrahydrofuran	5.11	42	1520	0.426	ug/l #	45
31) Cyclohexane	5.65	56	13290	1.140	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	45316	4.813	ug/l #	51
38) Carbon Tetrachloride	5.64	117	59576	6.862	ug/l #	15
49) 1,4-Dioxane	7.73	88	451	2.385	ug/l #	37
76) 1,2,3-Trichloropropane	11.13	75	203432	21.385	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	203432	58.505	ug/l #	11

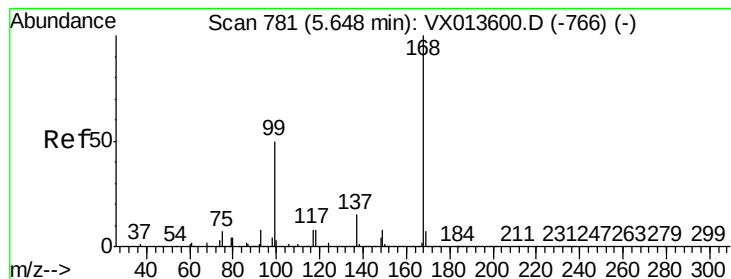
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013790.D

Acq: 06 Dec 2019 11:36

Instrument :

MSVOA_X

ClientSampled :

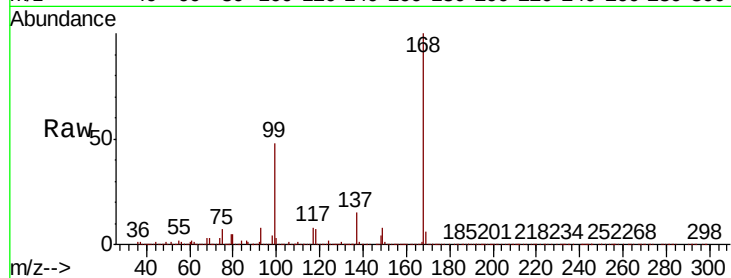
TB01-20191202

Tot Ion:168 Resp: 680073

Ion Ratio Lower Upper

168 100

99 48.1 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

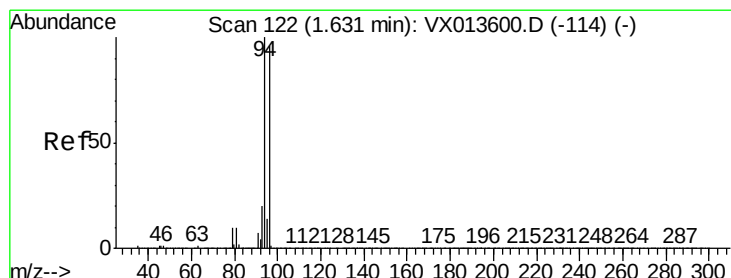
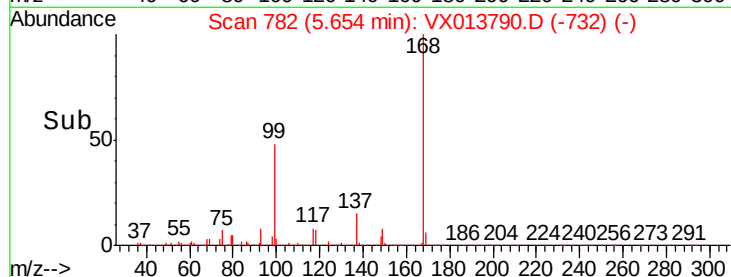
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.312 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013790.D

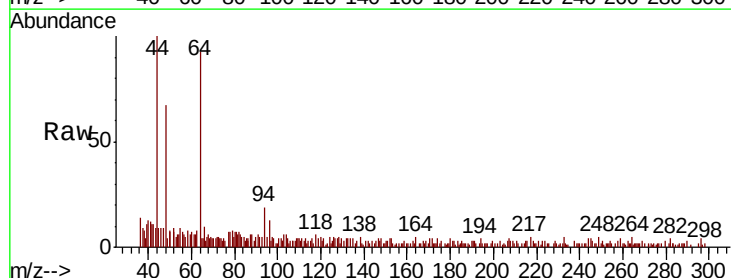
Acq: 06 Dec 2019 11:36

Tgt Ion: 94 Resp: 2001

Ion Ratio Lower Upper

94 100

96 53.2 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

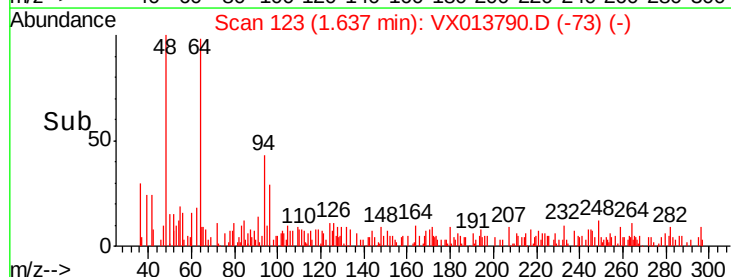
600

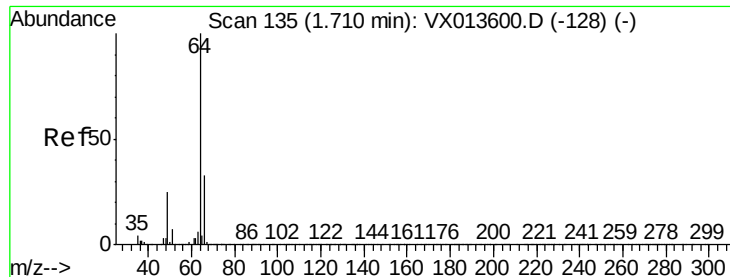
400

200

0

Time-->





#6

Chloroethane

Concen: 0.246 ug/l

RT: 1.77 min Scan# 145

Delta R.T. 0.06 min

Lab File: VX013790.D

Acq: 06 Dec 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

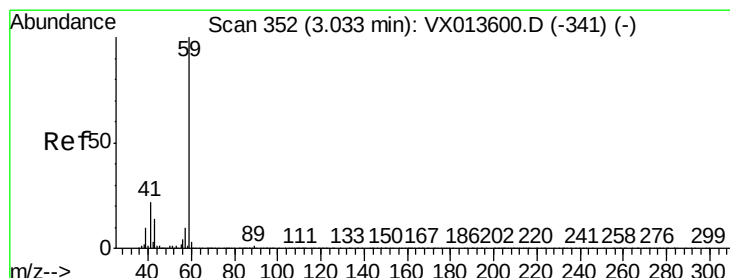
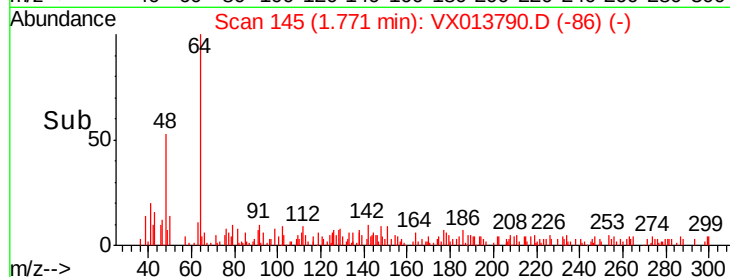
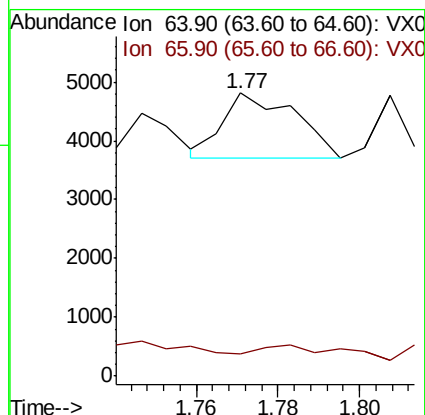
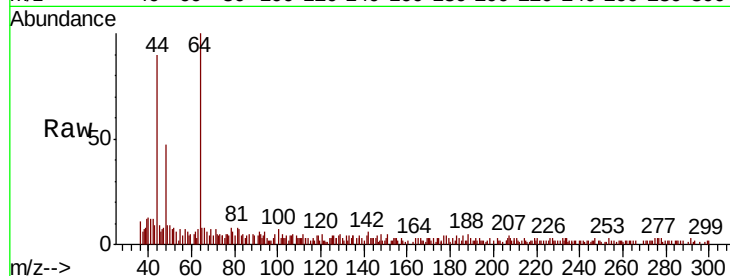
TB01-20191202

Tot Ion: 64 Resp: 1340

Ion Ratio Lower Upper

64 100

66 0.0 26.7 40.1#



#11

Tert butyl alcohol

Concen: 3.165 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX013790.D

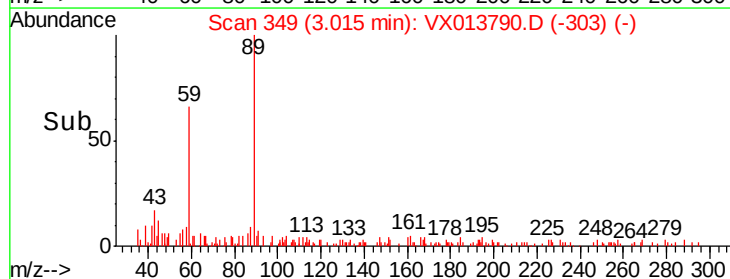
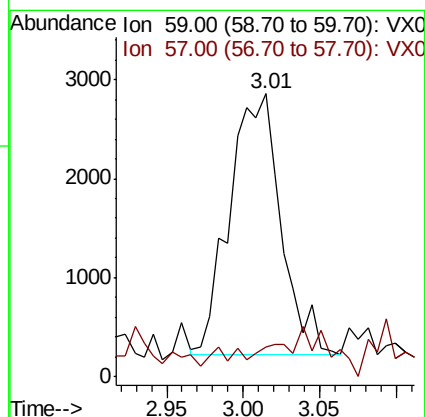
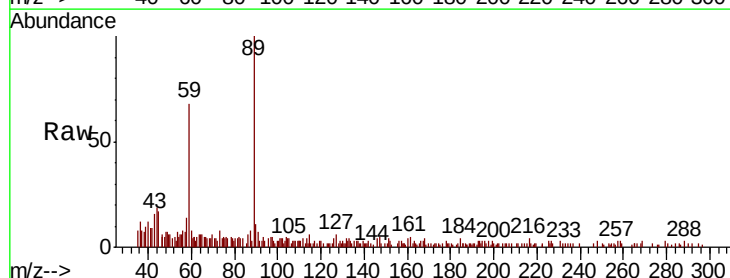
Acq: 06 Dec 2019 11:36

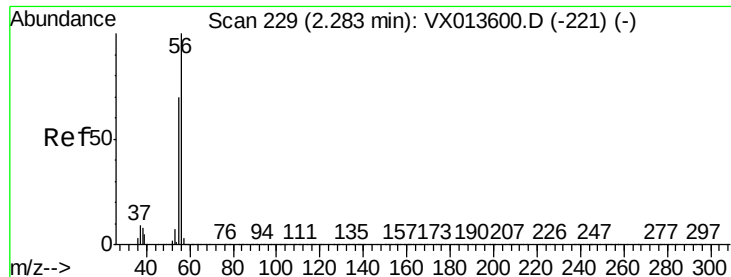
Tgt Ion: 59 Resp: 6168

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#

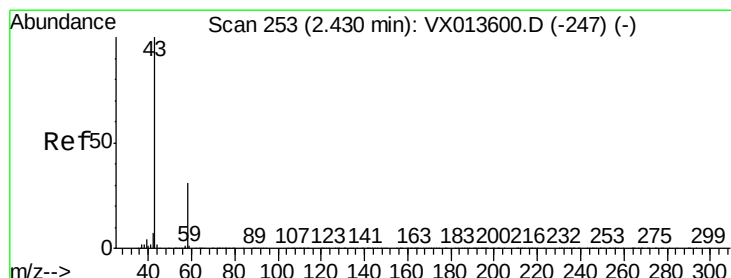
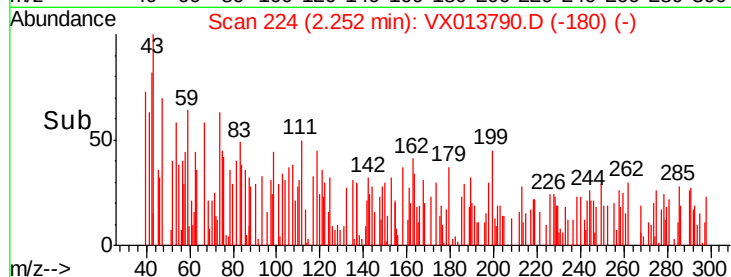
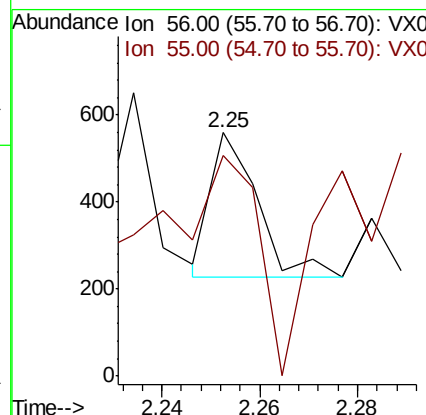
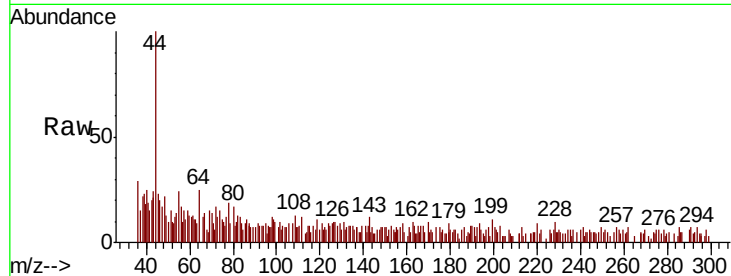




#13
Acrolein
Concen: 6.168 ug/l
RT: 2.25 min Scan# 224
Delta R.T. -0.03 min
Lab File: VX013790.D
Acq: 06 Dec 2019 11:36

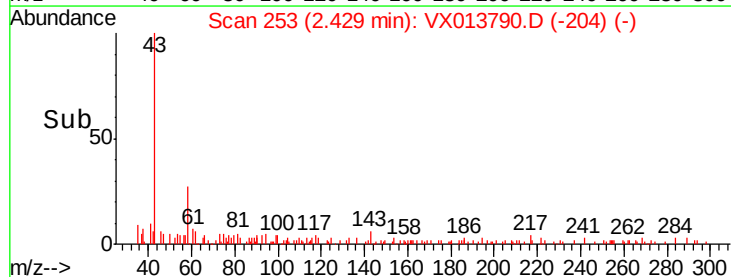
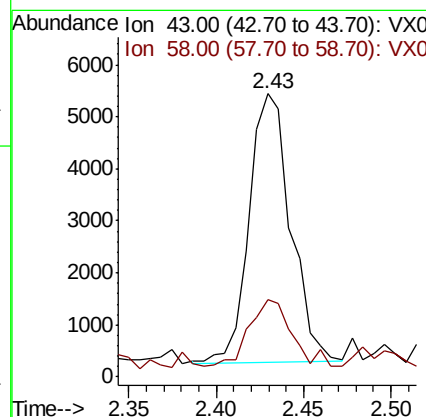
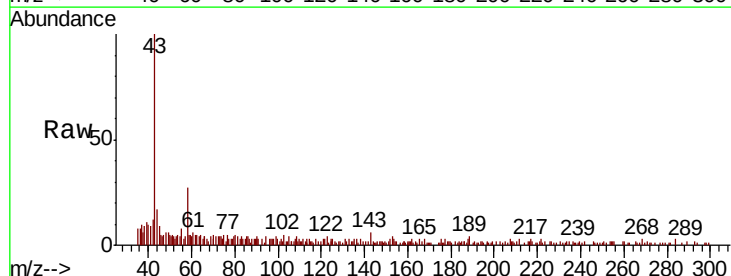
Instrument :
MSVOA_X
ClientSampleId :
TB01-20191202

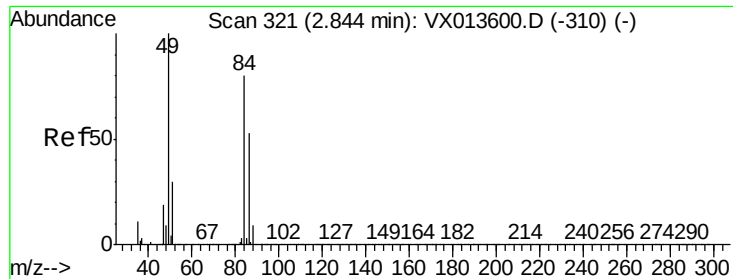
Tot Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 273.5 56.2 84.4#



#16
Acetone
Concen: 2.190 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013790.D
Acq: 06 Dec 2019 11:36

Tgt Ion: 43 Resp: 8537
Ion Ratio Lower Upper
43 100
58 25.1 24.6 36.8

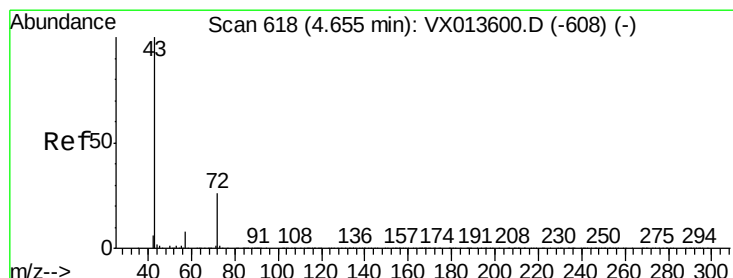
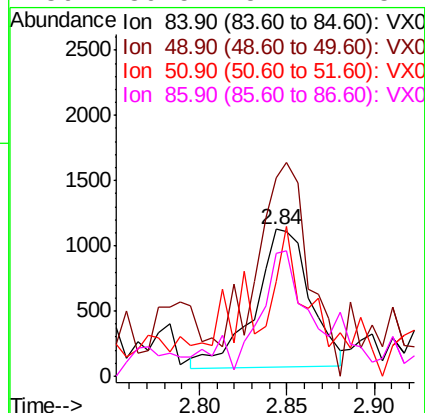
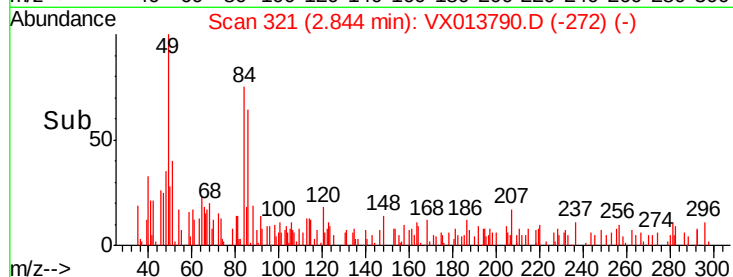
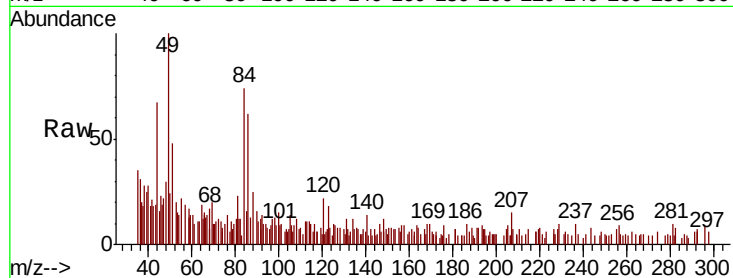




#20
Methylene Chloride
Concen: 0.308 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013790.D
Acq: 06 Dec 2019 11:36

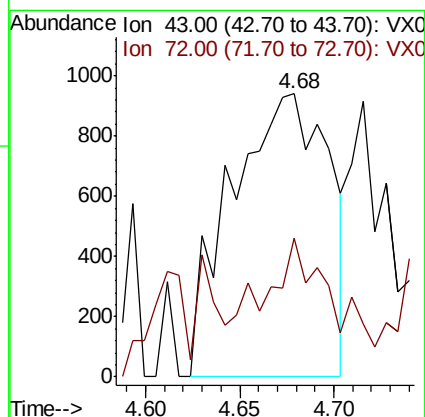
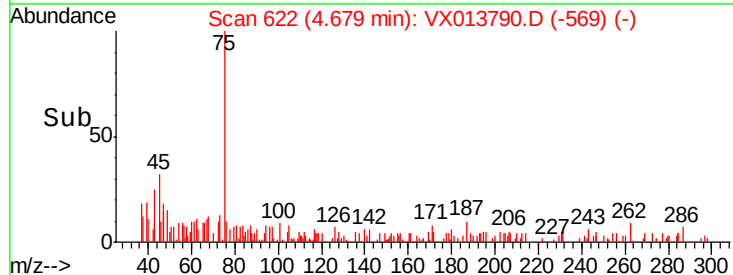
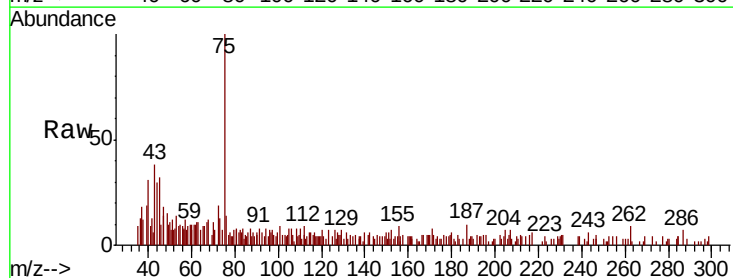
Instrument :
MSVOA_X
ClientSampleId :
TB01-20191202

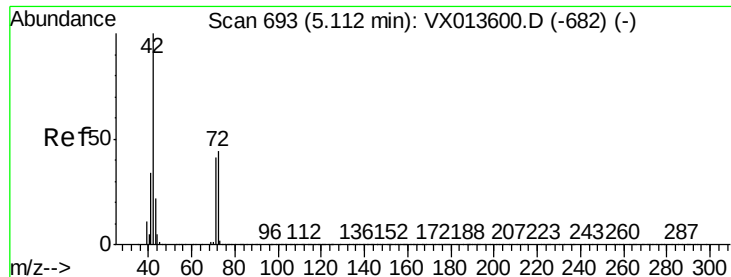
Tot Ion	Ratio	Lower	Upper
84	100		
49	120.3	99.7	149.5
51	49.5	29.9	44.9#
86	80.5	52.2	78.4#



#25
2-Butanone
Concen: 0.585 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013790.D
Acq: 06 Dec 2019 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	42.8	20.6	31.0#

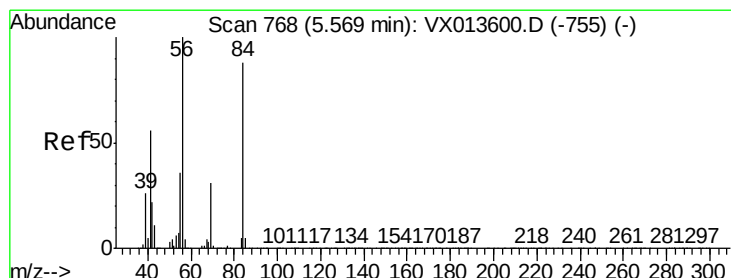
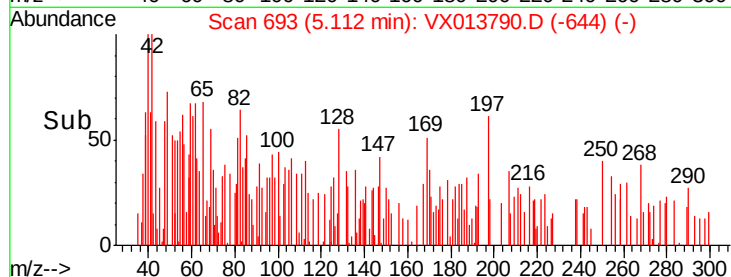
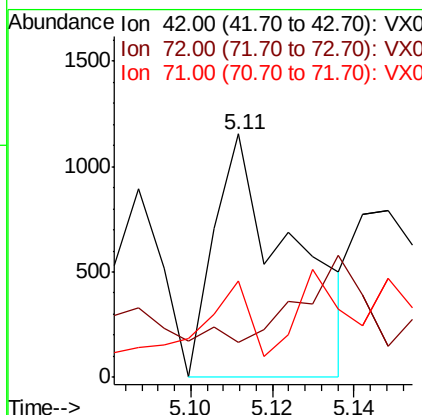
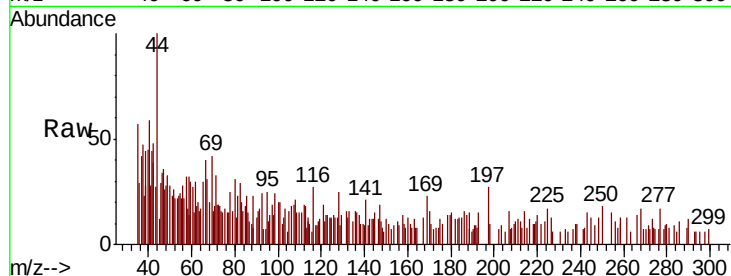




#29
Tetrahydrofuran
Concen: 0.426 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX013790.D
Acq: 06 Dec 2019 11:36

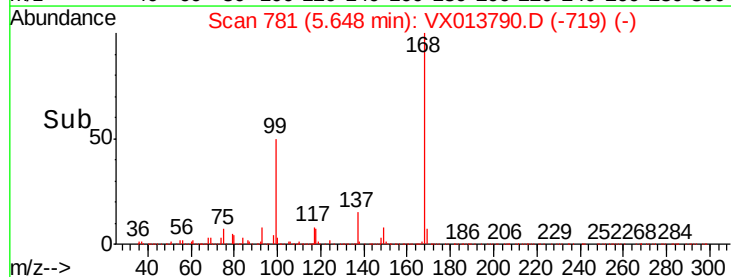
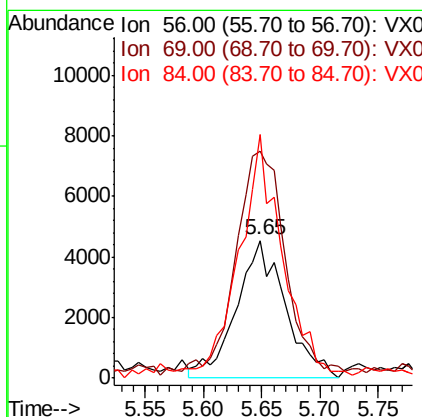
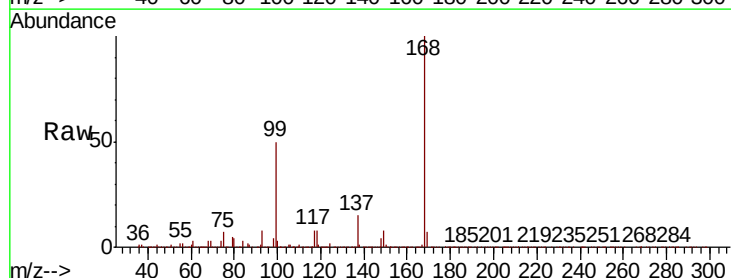
Instrument :
MSVOA_X
ClientSampled :
TB01-20191202

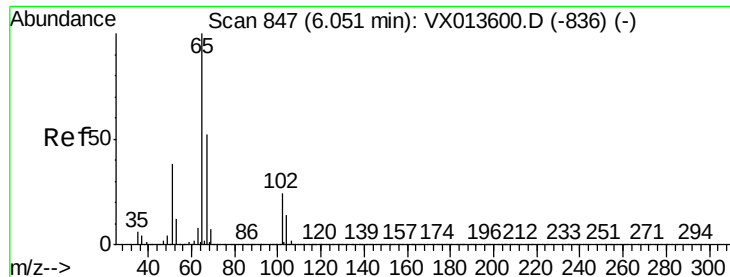
Tot Ion: 42 Resp: 1520
Ion Ratio Lower Upper
42 100
72 0.0 36.3 54.5#
71 17.2 33.2 49.8#



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX013790.D
Acq: 06 Dec 2019 11:36

Tgt Ion: 56 Resp: 13290
Ion Ratio Lower Upper
56 100
69 167.3 24.6 36.8#
84 184.4 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 47.304 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013790.D

Acq: 06 Dec 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

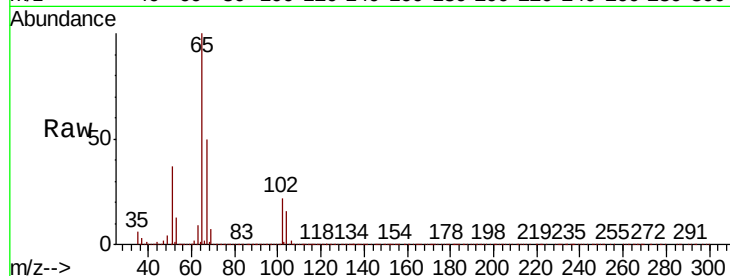
TB01-20191202

Tot Ion: 65 Resp: 373422

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

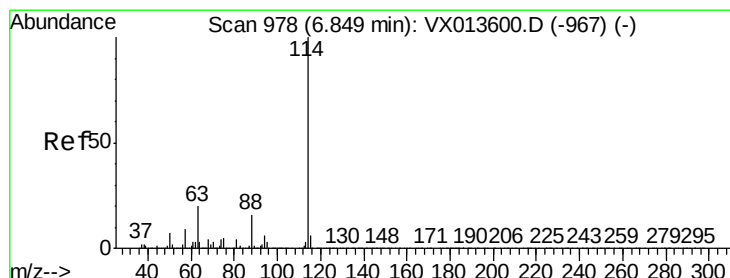
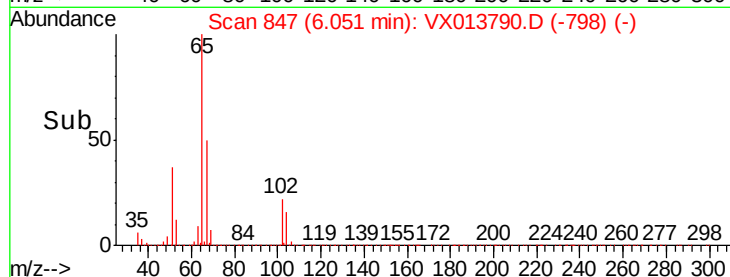
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013790.D

Acq: 06 Dec 2019 11:36

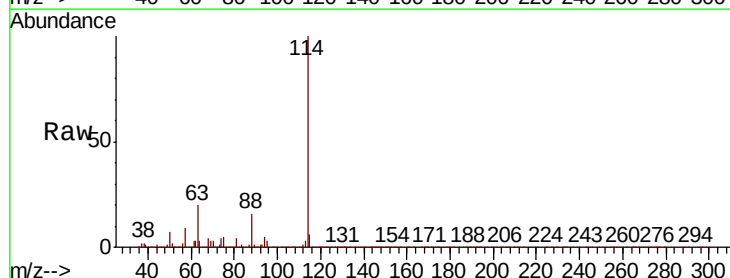
Tgt Ion: 114 Resp: 1037222

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.8 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

600000

500000

400000

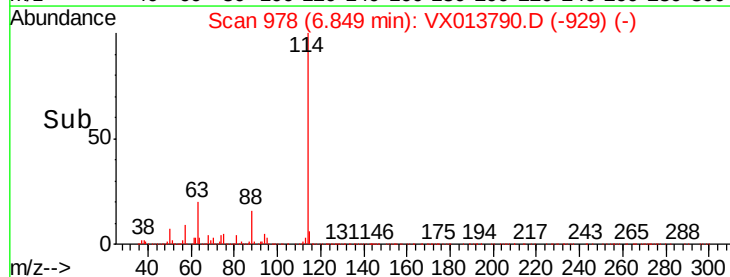
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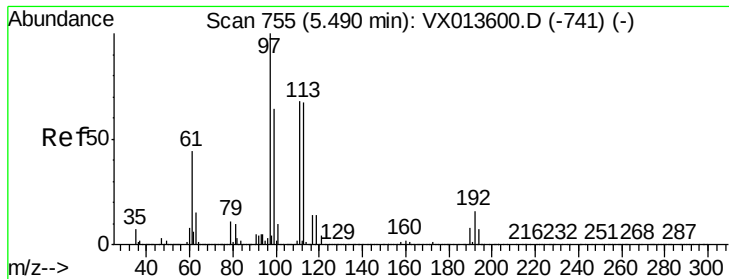
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.123 ug/l

RT: 5.48 min Scan# 754

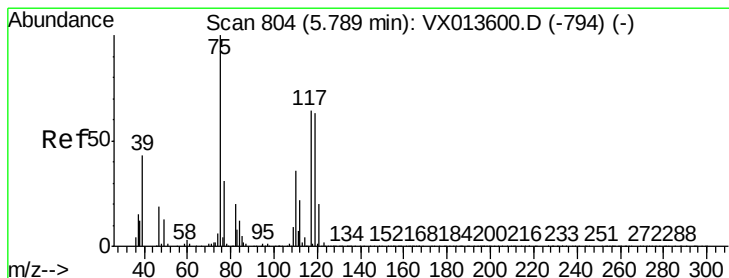
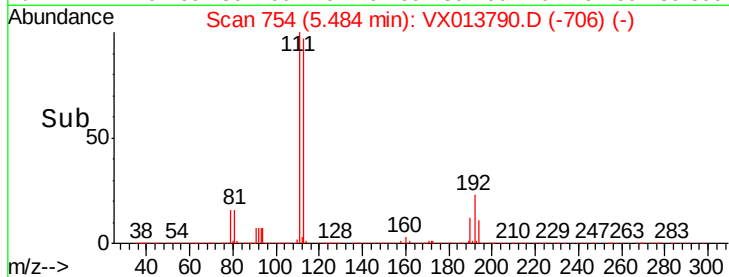
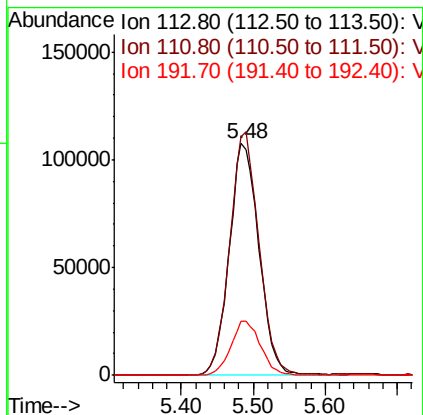
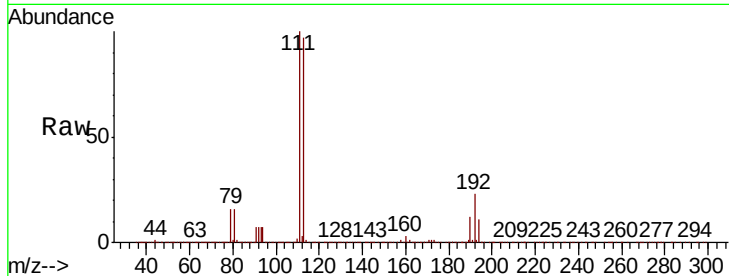
Delta R.T. -0.01 min

Lab File: VX013790.D

Acq: 06 Dec 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
TB01-20191202

Tot Ion:	113	Resp:	308578
Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.6	125.4
192	23.6	19.2	28.8



#36

1,1-Dichloropropene

Concen: 4.813 ug/l

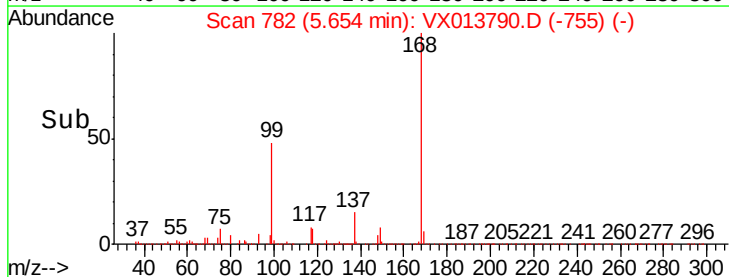
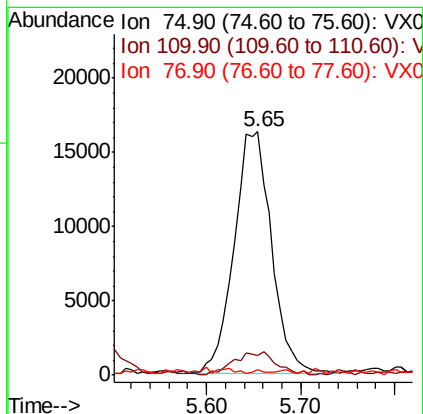
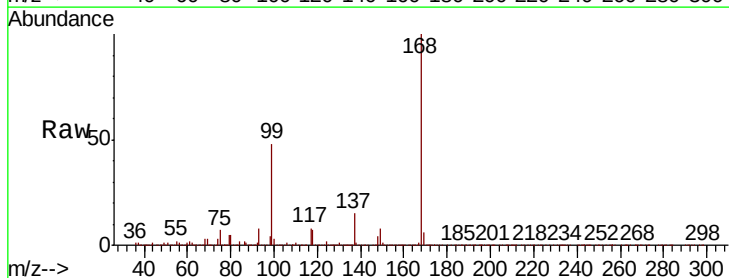
RT: 5.65 min Scan# 782

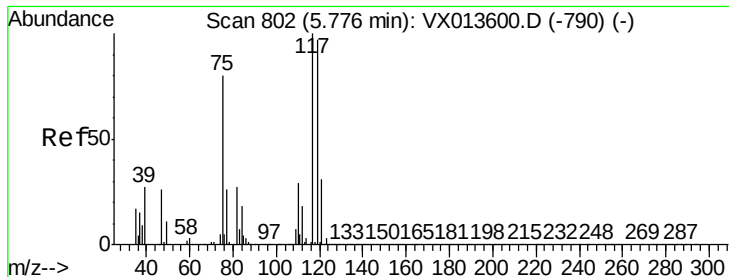
Delta R.T. -0.13 min

Lab File: VX013790.D

Acq: 06 Dec 2019 11:36

Tgt Ion:	75	Resp:	45316
Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.1	54.1#
77	0.5	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.862 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX013790.D

Acq: 06 Dec 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

TB01-20191202

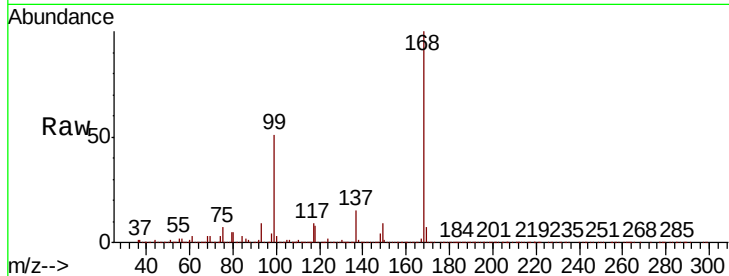
Tot Ion:117 Resp: 59576

Ion Ratio Lower Upper

117 100

119 4.3 77.5 116.3#

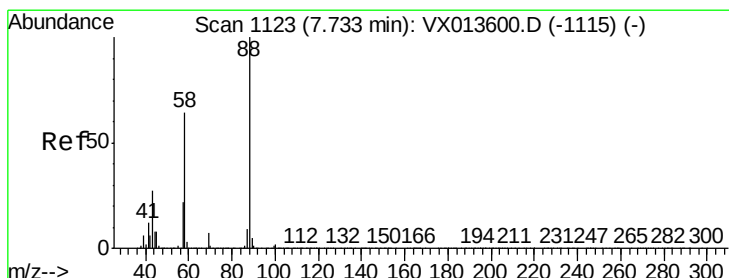
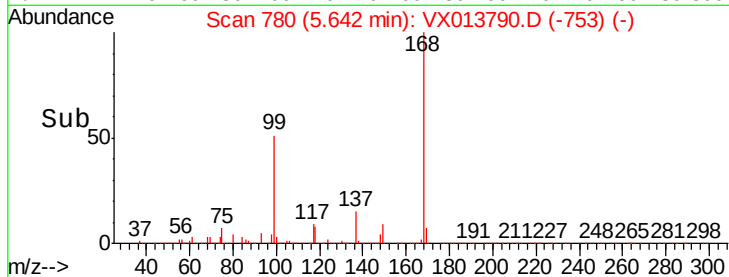
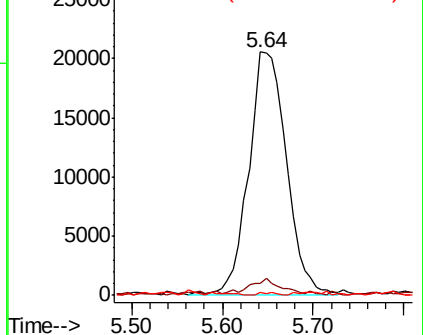
121 0.9 25.0 37.6#



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



#49

1,4-Dioxane

Concen: 2.385 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013790.D

Acq: 06 Dec 2019 11:36

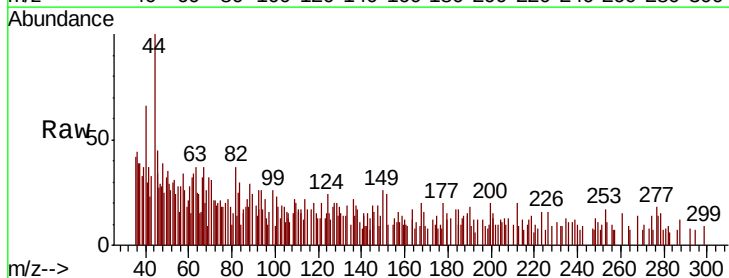
Tgt Ion: 88 Resp: 451

Ion Ratio Lower Upper

88 100

43 42.8 25.8 38.6#

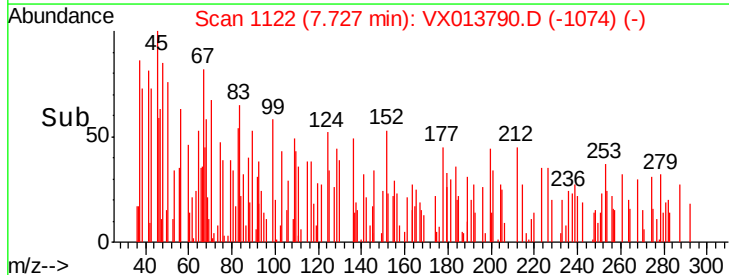
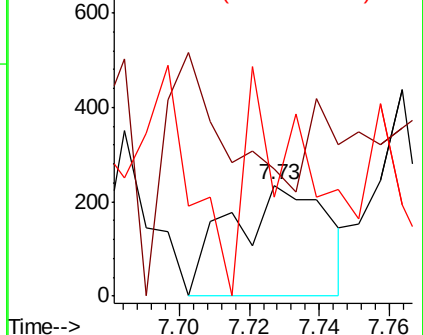
58 136.4 54.6 82.0#

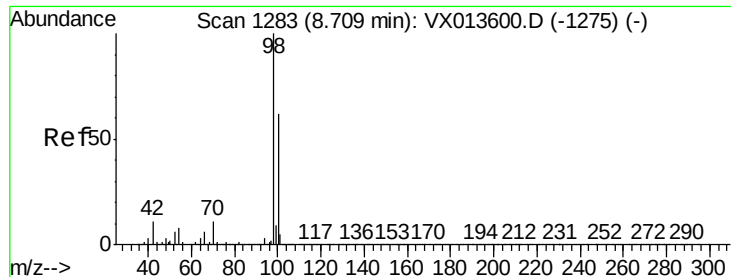


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

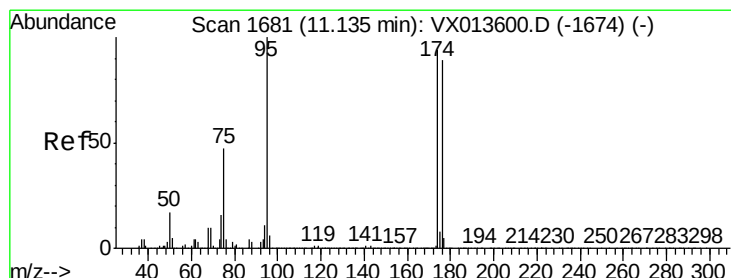
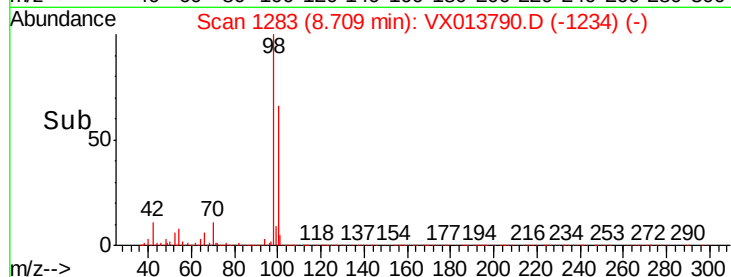
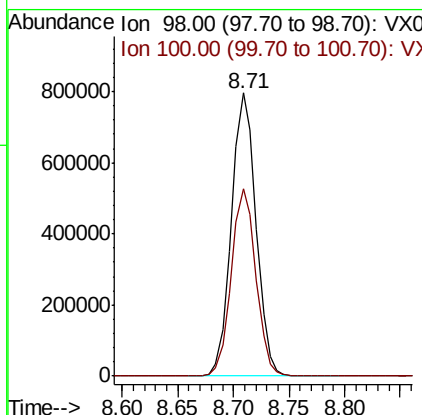
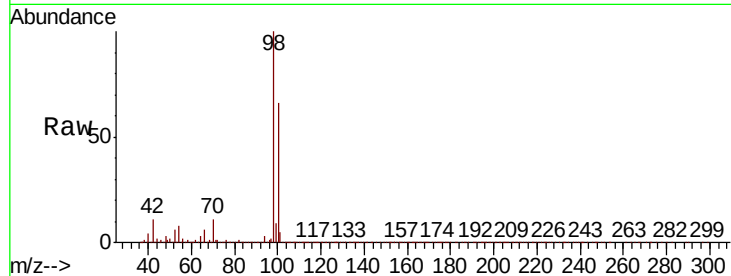




#50
Toluene-d8
Concen: 48.852 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013790.D
Acq: 06 Dec 2019 11:36

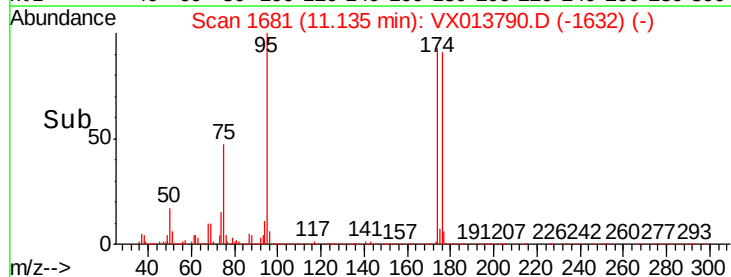
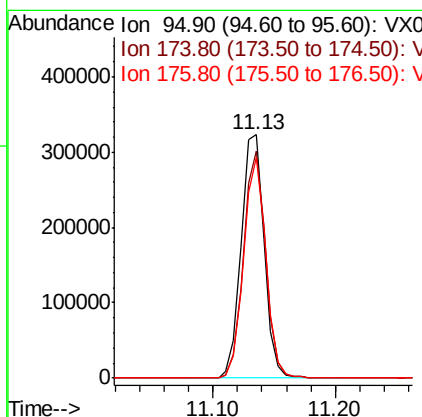
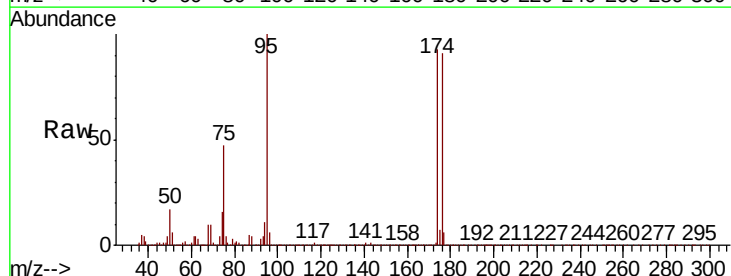
Instrument :
MSVOA_X
ClientSampleId :
TB01-20191202

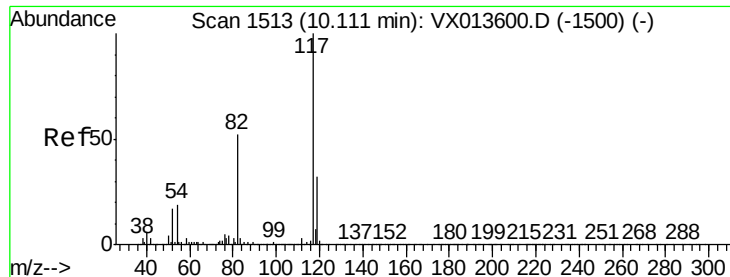
Tot Ion: 98 Resp: 1220473
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 46.610 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013790.D
Acq: 06 Dec 2019 11:36

Tgt Ion: 95 Resp: 419904
Ion Ratio Lower Upper
95 100
174 89.8 0.0 180.0
176 87.6 0.0 173.6

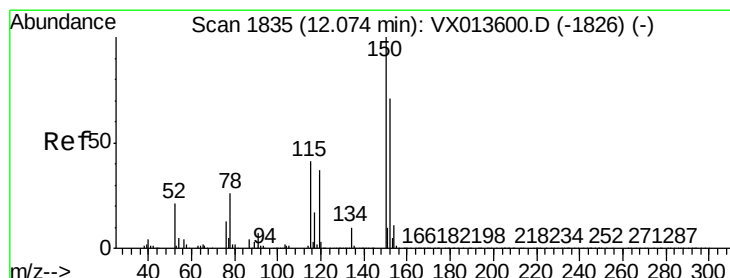
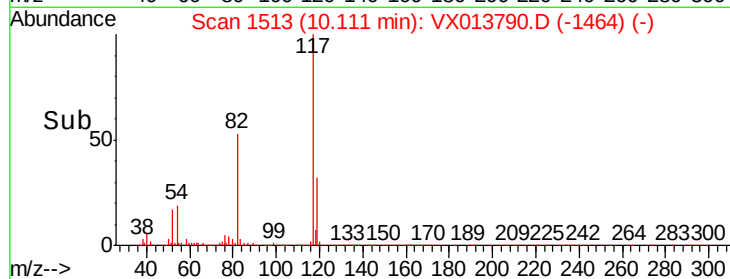
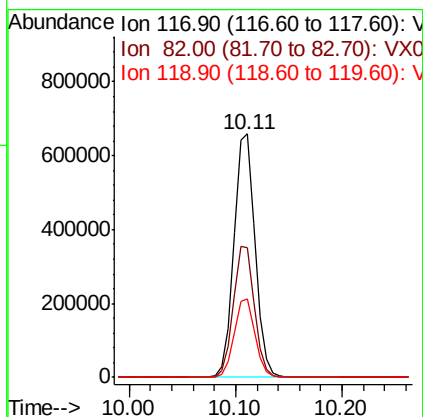
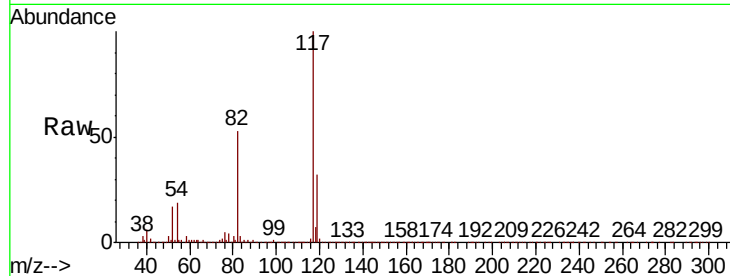




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013790.D
Acq: 06 Dec 2019 11:36

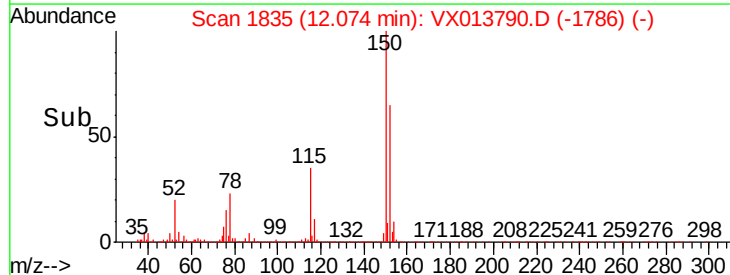
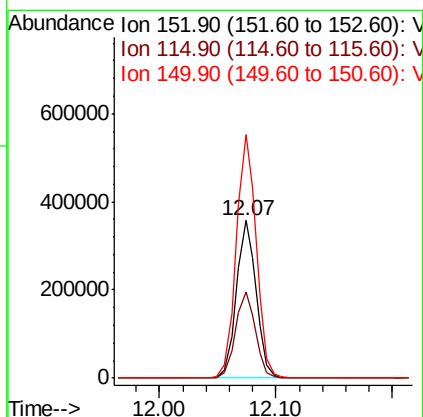
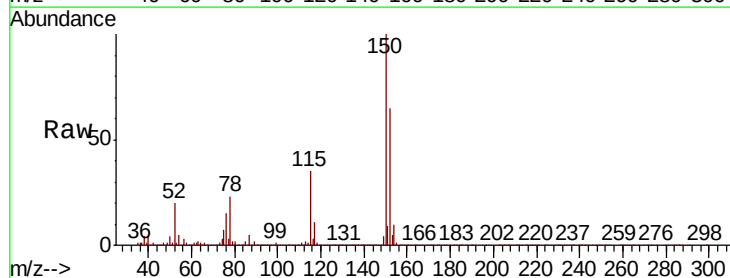
Instrument :
MSVOA_X
ClientSampleId :
TB01-20191202

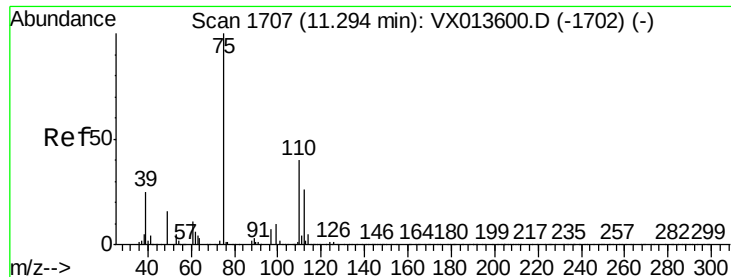
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.8	62.8
119	32.1	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013790.D
Acq: 06 Dec 2019 11:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	38.4	115.1
150	156.1	0.0	346.8

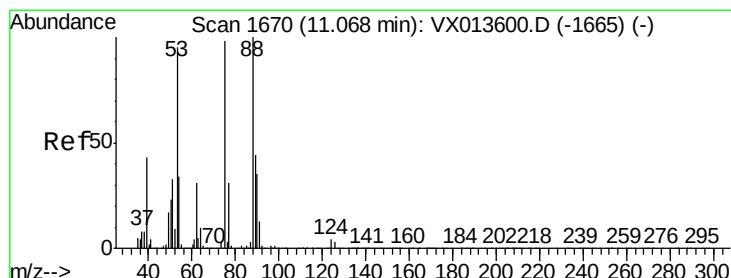
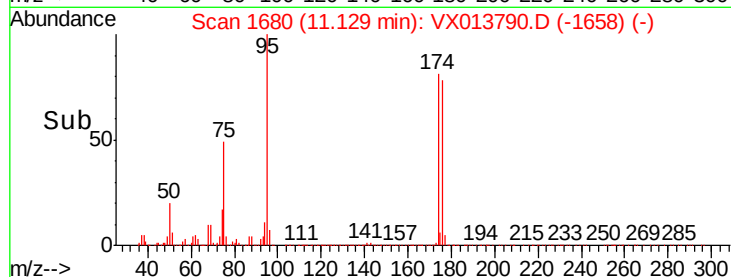
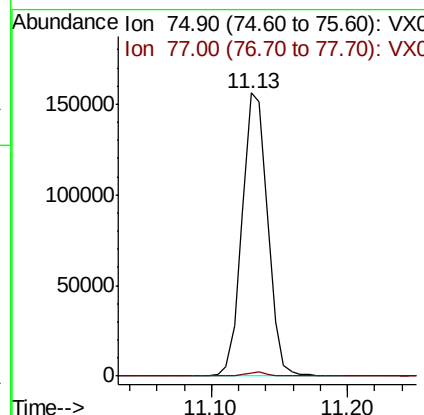
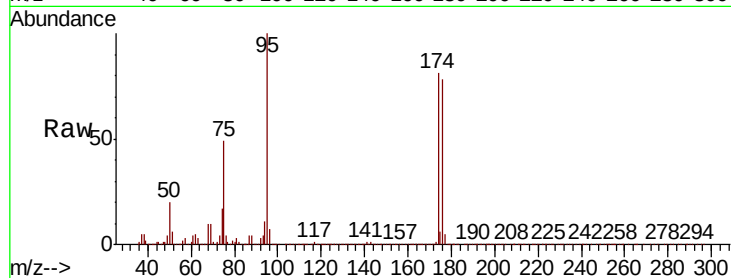




#76
 1,2,3-Trichloropropane
 Concen: 21.385 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013790.D
 Acq: 06 Dec 2019 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20191202

Tot Ion: 75 Resp: 203432
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.505 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013790.D
 Acq: 06 Dec 2019 11:36

Tgt Ion: 75 Resp: 203432
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.2#
 89 0.0 35.4 53.2#

