

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012742.D
 Acq On : 01 Oct 2019 18:45
 Operator : JC/SP
 Sample : K5125-02RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

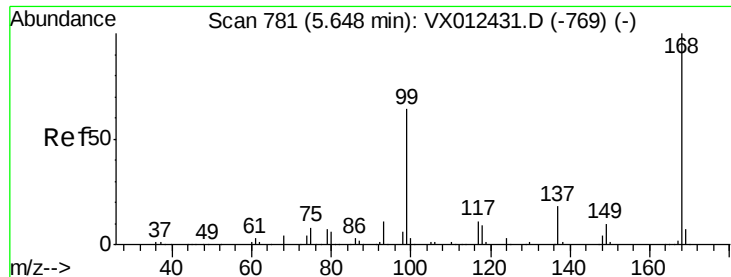
Quant Time: Oct 02 01:48:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	157398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	273474	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	73444	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	111014	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
35) Dibromofluoromethane	5.49	113	82464	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	8.71	98	320451	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.14	95	99825	40.48	ug/l	0.00
Spiked Amount			Recovery	=	80.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	280	0.352	ug/l #	43
6) Chloroethane	1.66	64	382	0.280	ug/l	99
11) Tert butyl alcohol	3.01	59	1705	2.978	ug/l	97
13) Acrolein	2.28	56	23	10.302	ug/l #	1
16) Acetone	2.44	43	17602	14.499	ug/l	99
18) Methyl Acetate	2.59	43	15625	5.466	ug/l #	54
20) Methylene Chloride	2.85	84	2790	1.359	ug/l	87
25) 2-Butanone	4.67	43	1017	0.584	ug/l	96
29) Tetrahydrofuran	5.14	42	1633	1.539	ug/l #	76
31) Cyclohexane	5.65	56	3487	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13293	5.043	ug/l #	52
38) Carbon Tetrachloride	5.65	117	17715	6.616	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	50146	25.812	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	50146	73.970	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012742.D

Acq: 01 Oct 2019 18:45

Instrument :

MSVOA_X

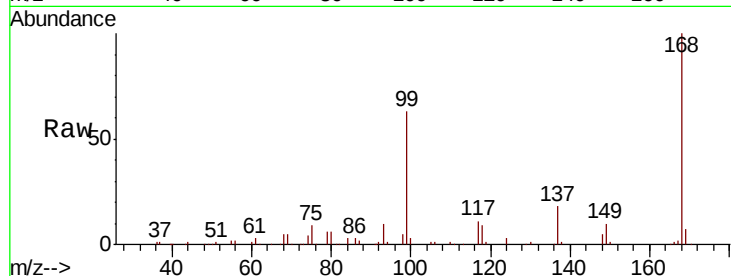
ClientSampled :

Tot Ion:168 Resp: 157398

Ion Ratio Lower Upper

168 100

99 63.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

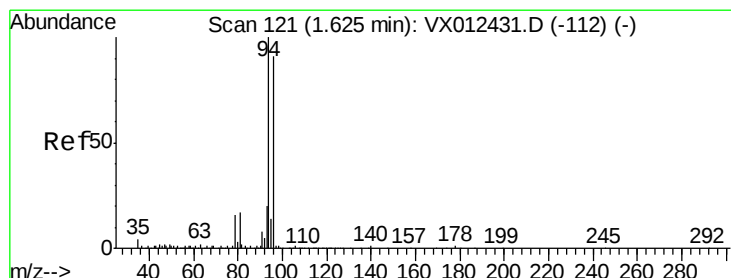
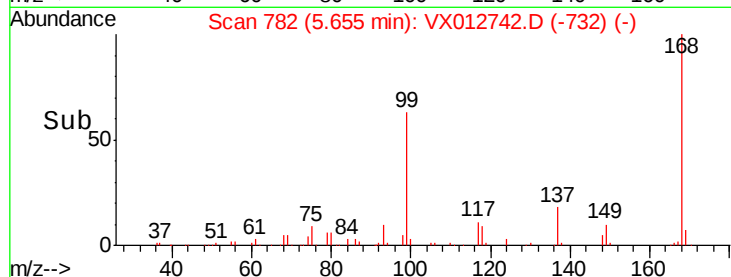
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.352 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012742.D

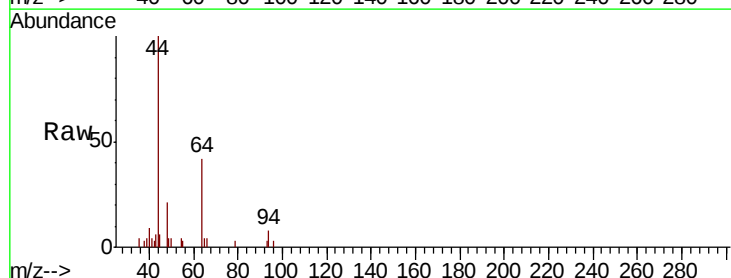
Acq: 01 Oct 2019 18:45

Tgt Ion: 94 Resp: 280

Ion Ratio Lower Upper

94 100

96 37.2 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

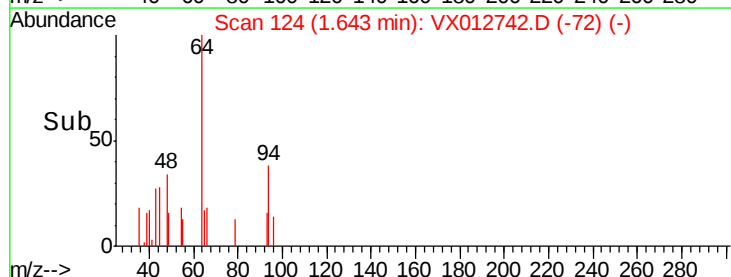
150

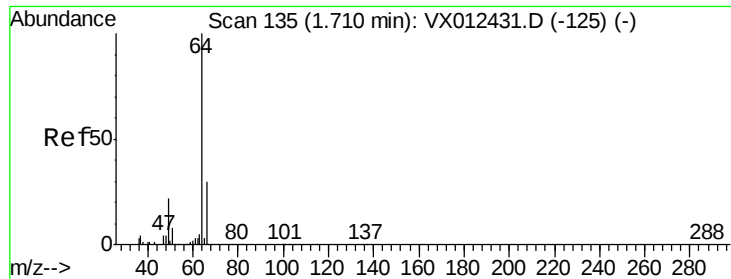
100

50

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 0.280 ug/l

RT: 1.66 min Scan# 127

Delta R.T. -0.05 min

Lab File: VX012742.D

Acq: 01 Oct 2019 18:45

Instrument :

MSVOA_X

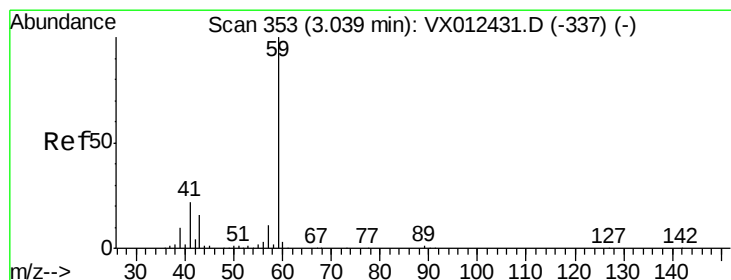
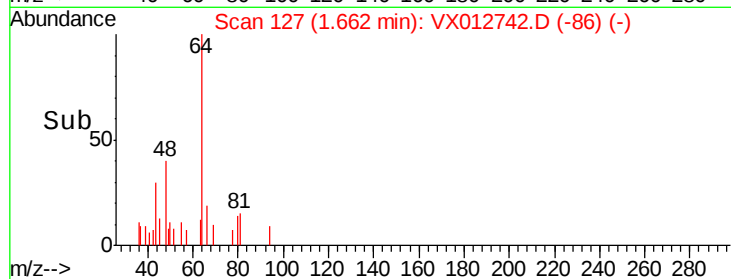
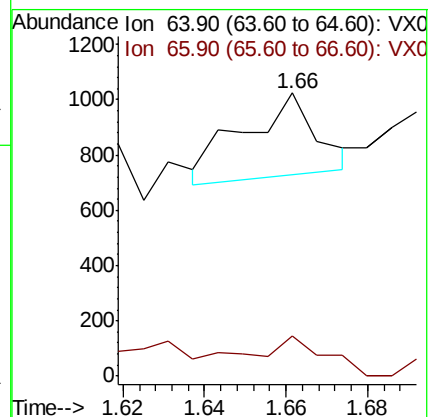
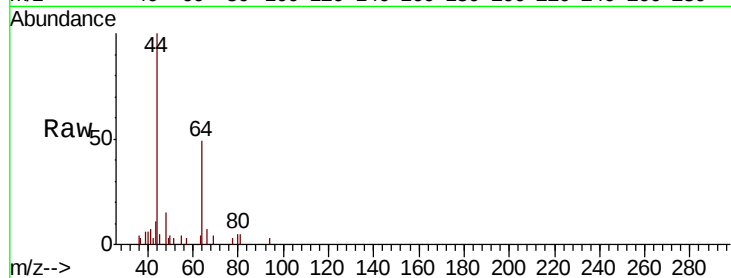
ClientSampleId :

Tot Ion: 64 Resp: 382

Ion Ratio Lower Upper

64 100

66 30.3 24.0 36.0



#11

Tert butyl alcohol

Concen: 2.978 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX012742.D

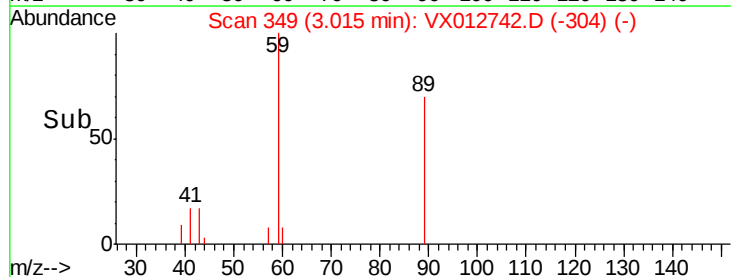
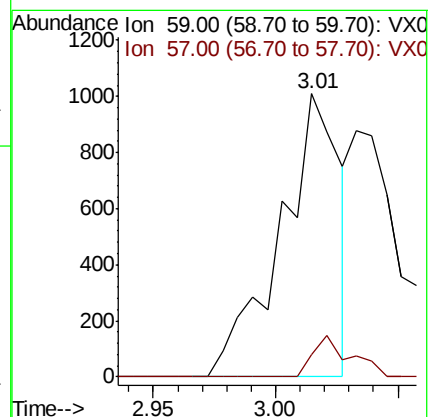
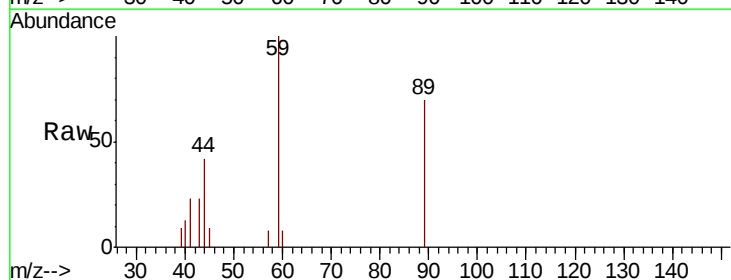
Acq: 01 Oct 2019 18:45

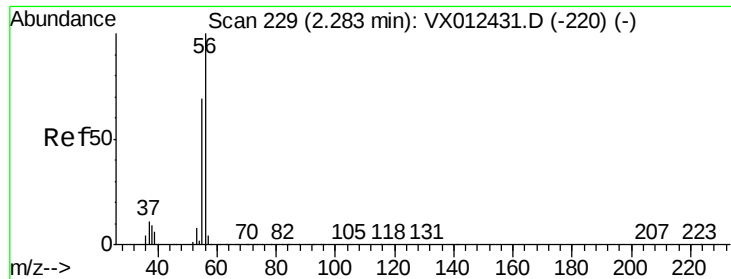
Tgt Ion: 59 Resp: 1705

Ion Ratio Lower Upper

59 100

57 9.1 8.3 12.5





#13

Acrolein

Concen: 10.302 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX012742.D

Acq: 01 Oct 2019 18:45

Instrument :

MSVOA_X

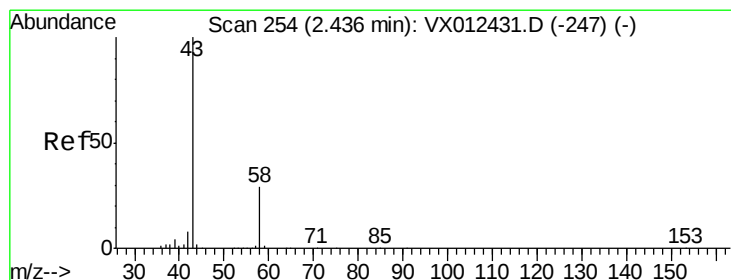
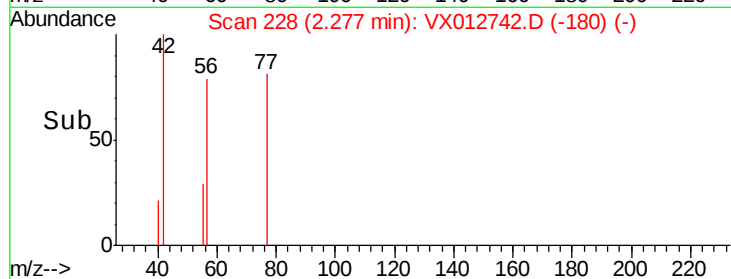
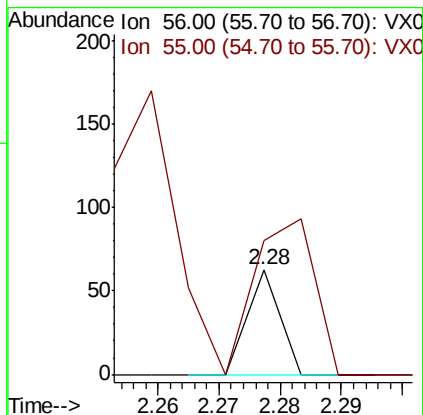
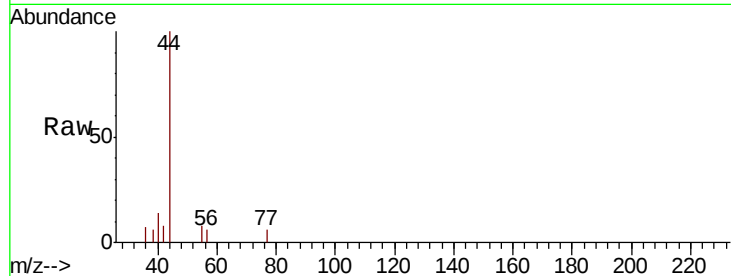
ClientSampleId :

Tot Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 273.9 55.8 83.8#



#16

Acetone

Concen: 14.499 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012742.D

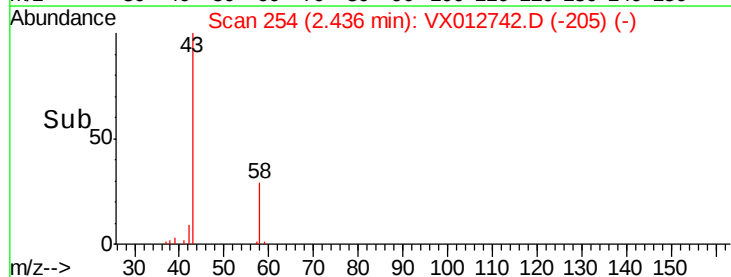
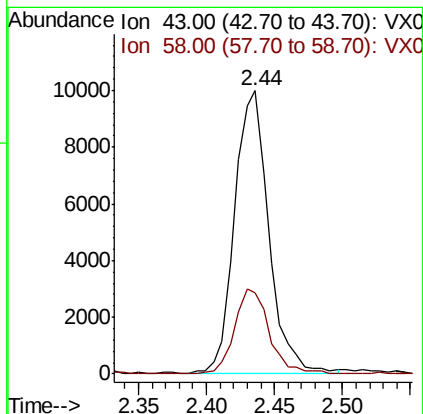
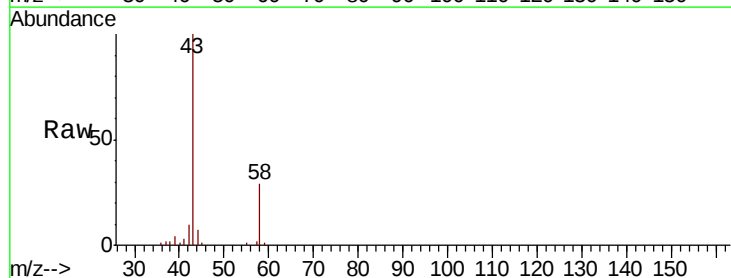
Acq: 01 Oct 2019 18:45

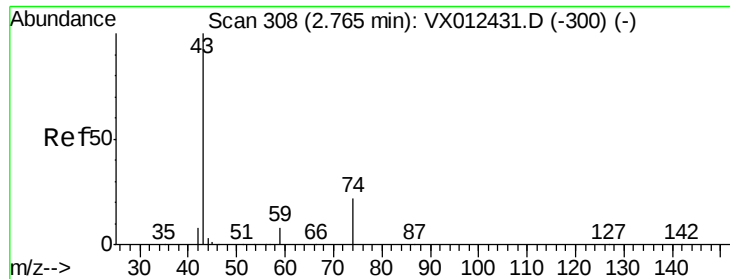
Tgt Ion: 43 Resp: 17602

Ion Ratio Lower Upper

43 100

58 28.6 23.3 34.9

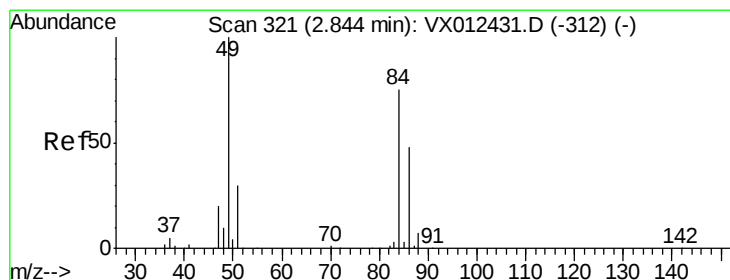
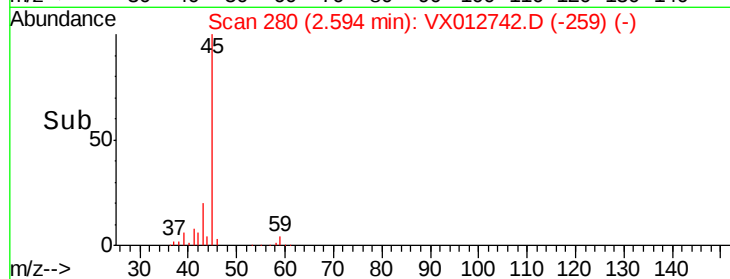
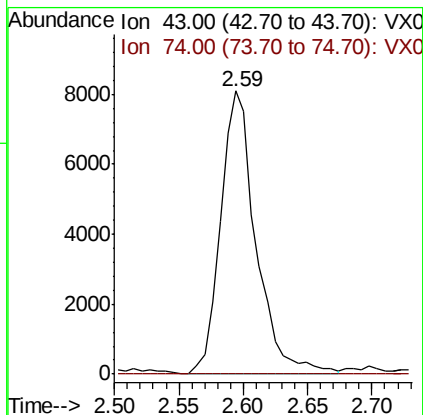
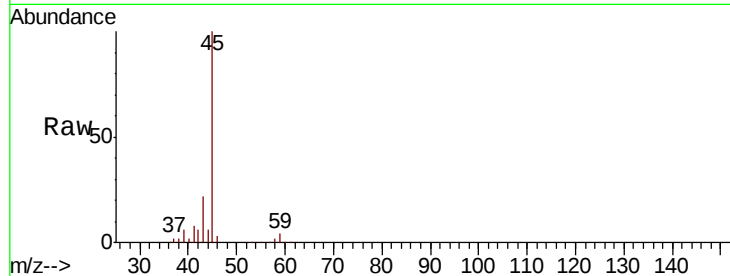




#18
Methvl Acetate
Concen: 5.466 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012742.D
Acq: 01 Oct 2019 18:45

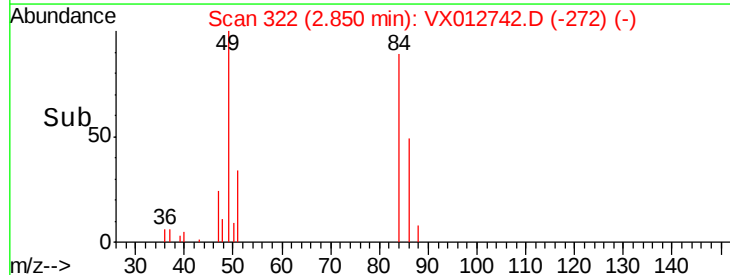
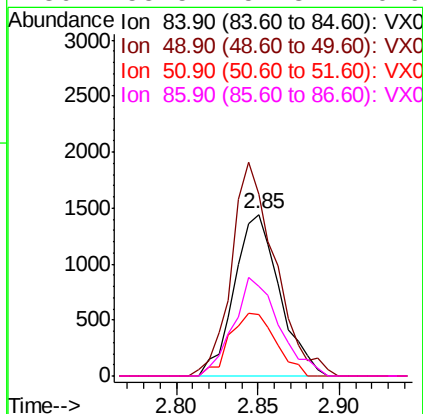
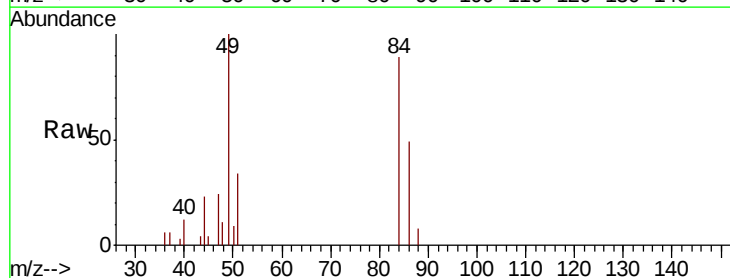
Instrument :
MSVOA_X
ClientSampleId :

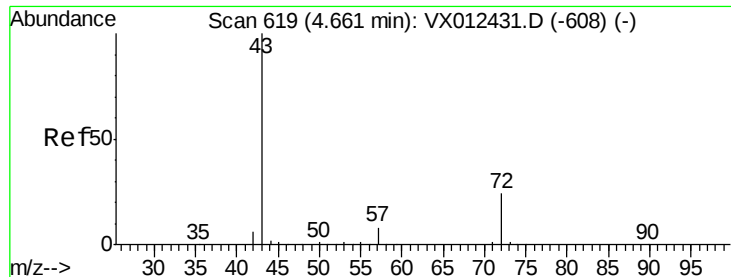
Tot Ion: 43 Resp: 15625
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 1.359 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012742.D
Acq: 01 Oct 2019 18:45

Tgt Ion: 84 Resp: 2790
Ion Ratio Lower Upper
84 100
49 112.7 106.8 160.2
51 38.4 32.3 48.5
86 55.5 51.3 76.9





#25

2-Butanone

Concen: 0.584 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX012742.D

Acq: 01 Oct 2019 18:45

Instrument :

MSVOA_X

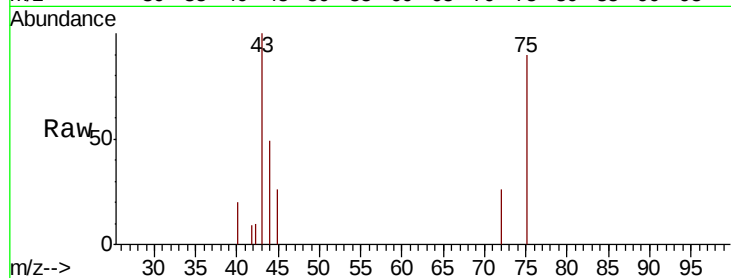
ClientSampleId :

Tot Ion: 43 Resp: 1017

Ion Ratio Lower Upper

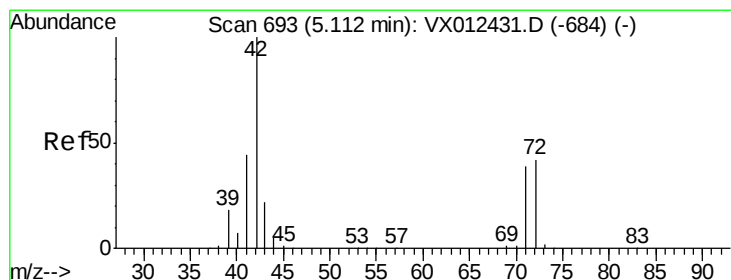
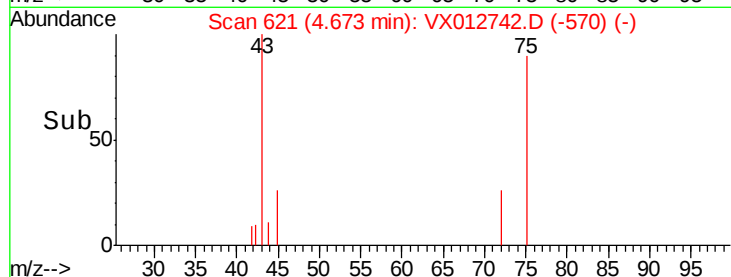
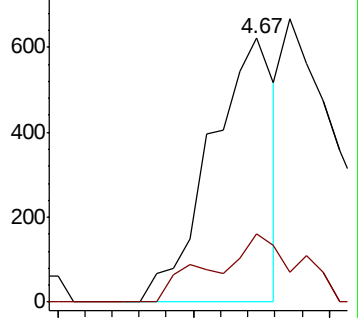
43 100

72 25.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.539 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012742.D

Acq: 01 Oct 2019 18:45

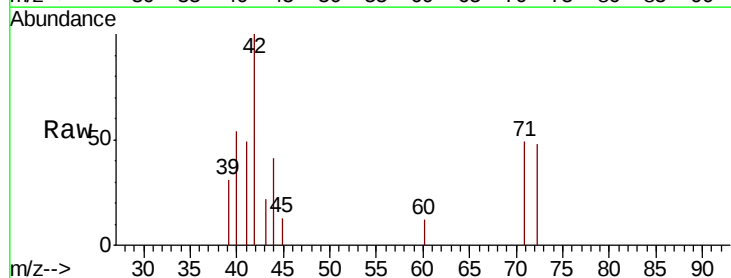
Tgt Ion: 42 Resp: 1633

Ion Ratio Lower Upper

42 100

72 13.0 34.0 51.0#

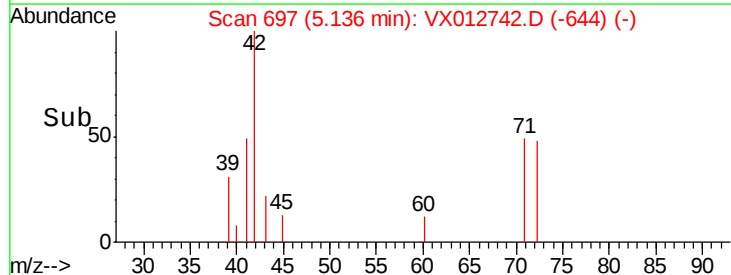
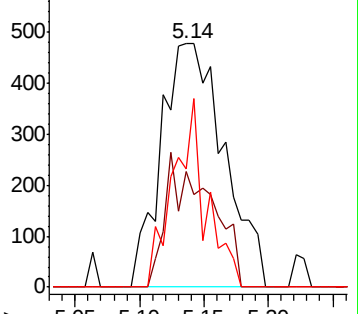
71 39.7 31.5 47.3

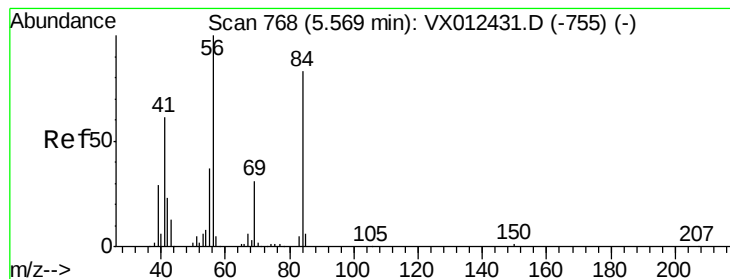


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.093 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012742.D

Acq: 01 Oct 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

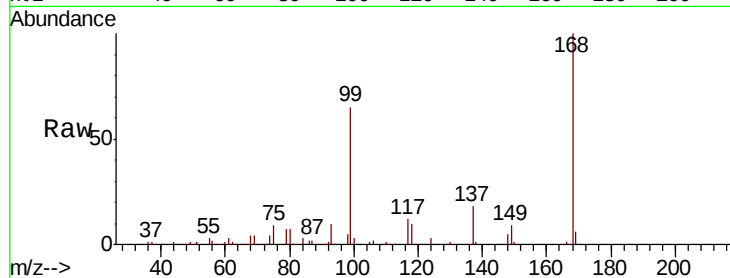
Tot Ion: 56 Resp: 3487

Ion Ratio Lower Upper

56 100

69 169.2 25.0 37.6#

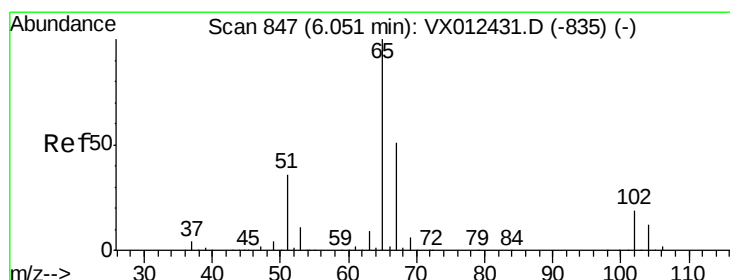
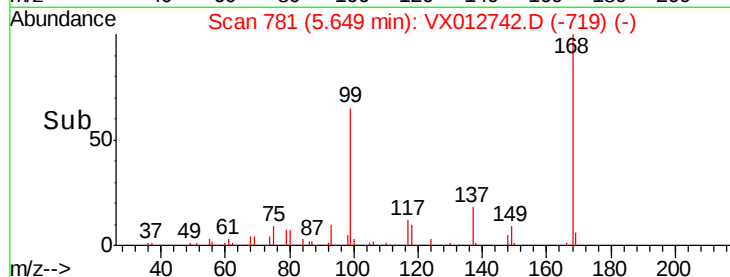
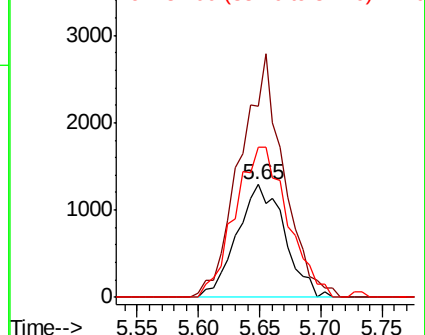
84 132.8 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.435 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012742.D

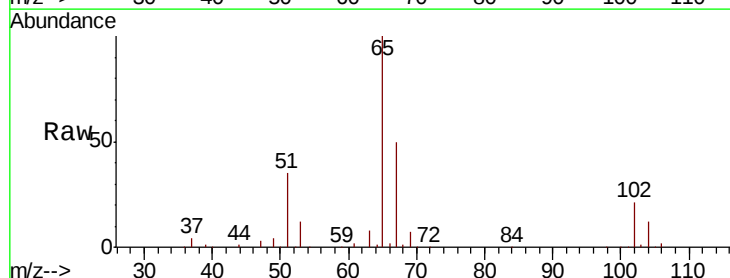
Acq: 01 Oct 2019 18:45

Tgt Ion: 65 Resp: 111014

Ion Ratio Lower Upper

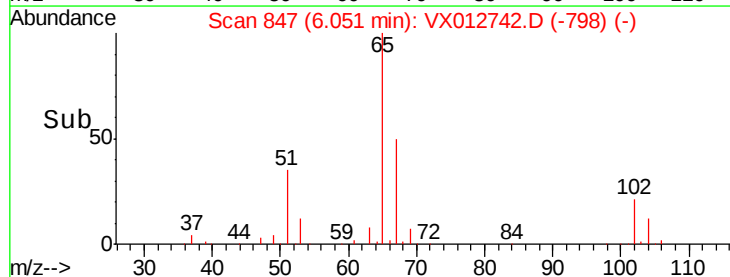
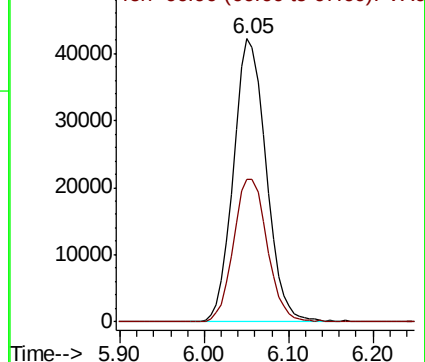
65 100

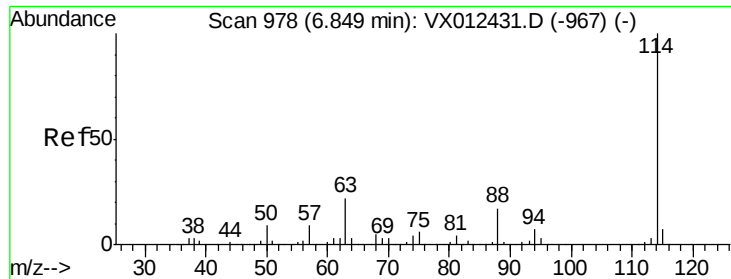
67 51.9 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

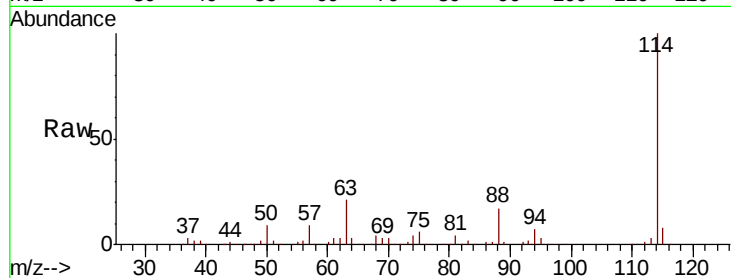




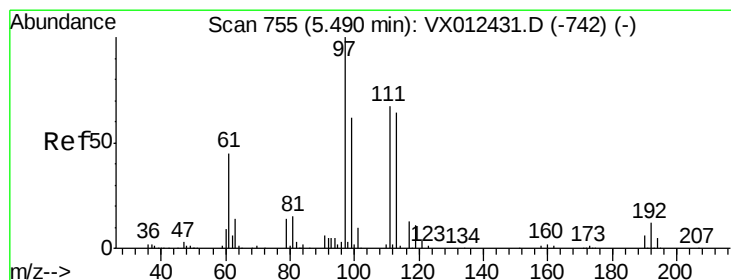
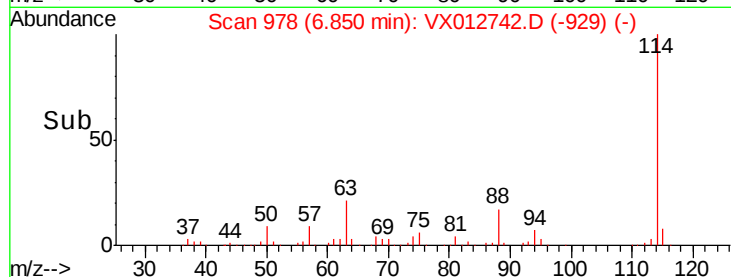
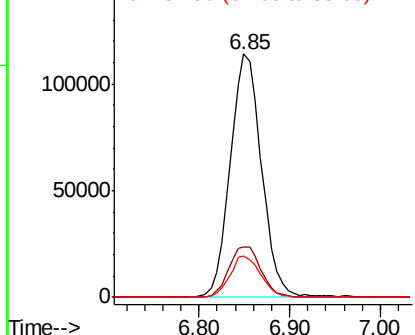
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012742.D
Acq: 01 Oct 2019 18:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 273474
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.2
88 17.0 0.0 33.2

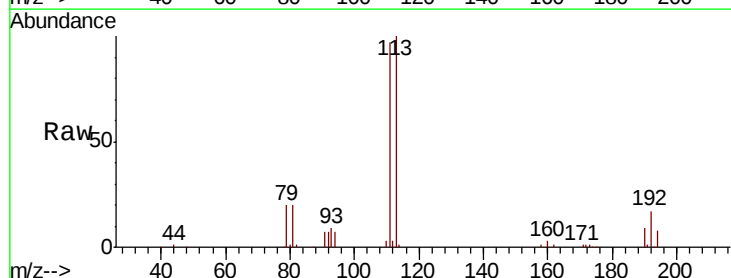


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

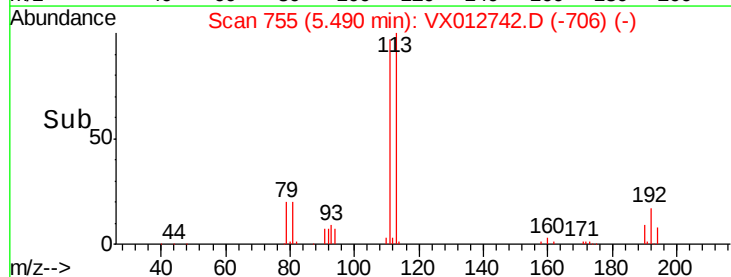
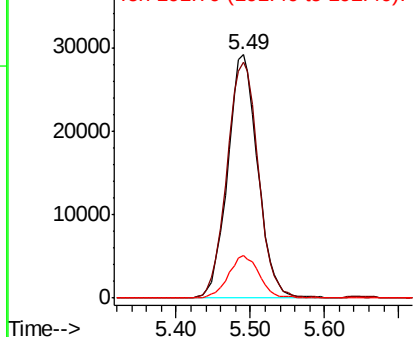


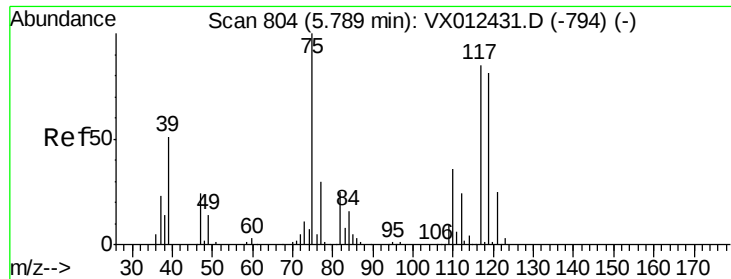
#35
Dibromofluoromethane
Concen: 50.633 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012742.D
Acq: 01 Oct 2019 18:45

Tgt Ion:113 Resp: 82464
Ion Ratio Lower Upper
113 100
111 100.9 83.4 125.2
192 17.8 14.4 21.6



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: 5.043 ug/l

RT: 5.65 min Scan# 781

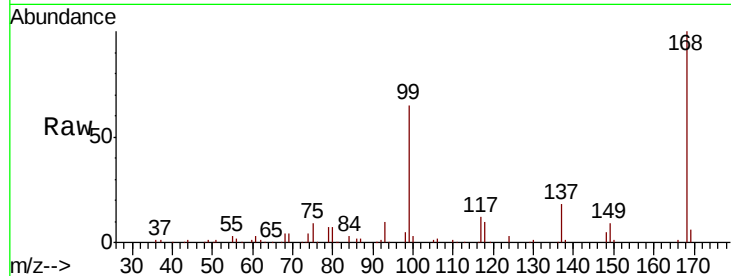
Delta R.T. -0.14 min

Lab File: VX012742.D

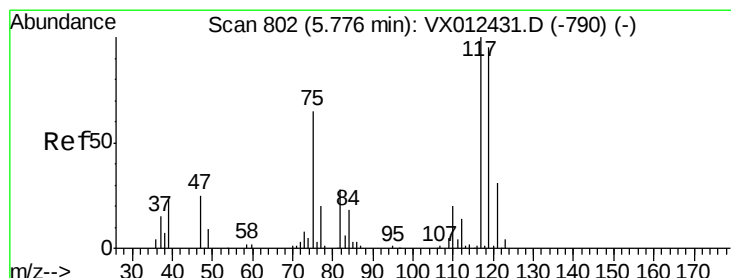
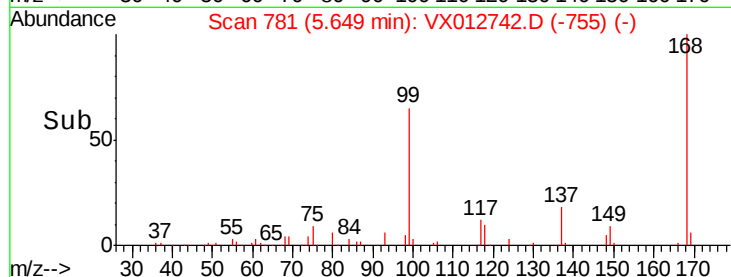
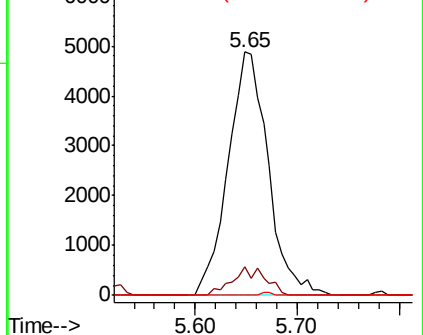
Acq: 01 Oct 2019 18:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 13293
Ion Ratio Lower Upper
75 100
110 9.5 16.7 50.0#
77 0.4 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.616 ug/l

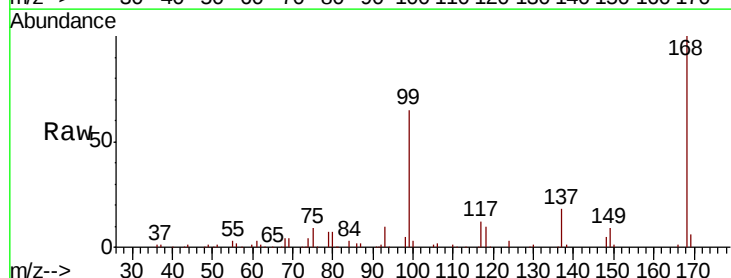
RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

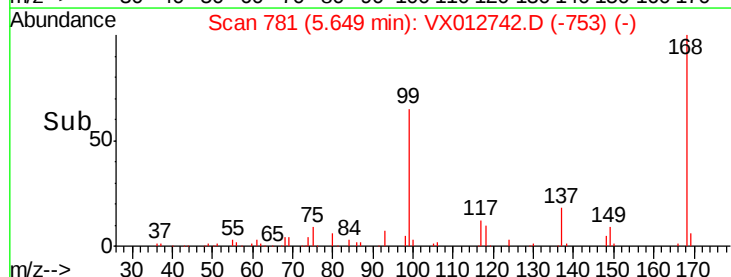
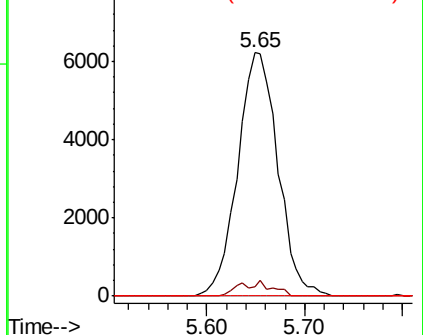
Lab File: VX012742.D

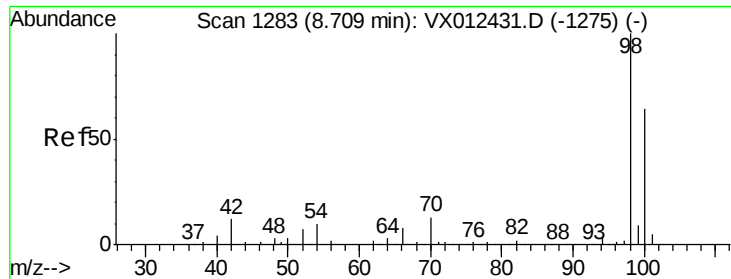
Acq: 01 Oct 2019 18:45

Tgt Ion:117 Resp: 17715
Ion Ratio Lower Upper
117 100
119 3.6 75.7 113.5#
121 0.0 24.2 36.4#



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

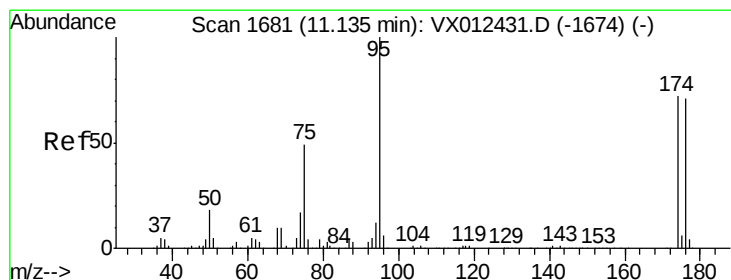
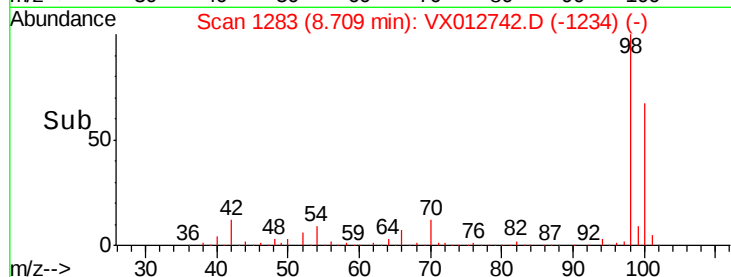
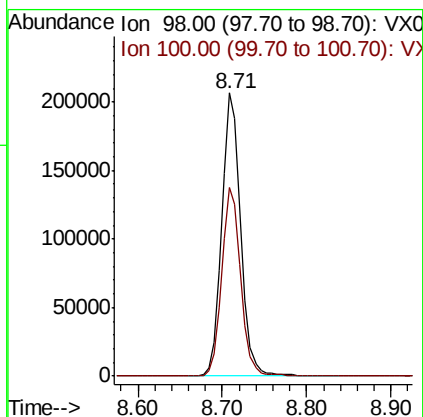
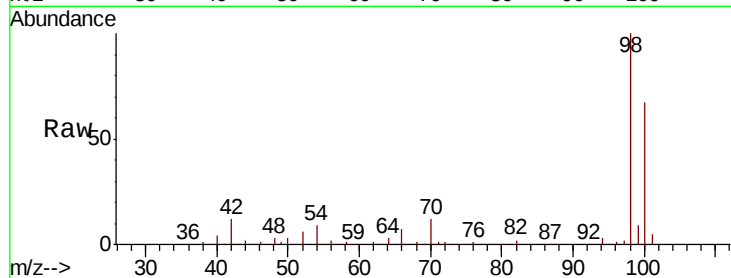




#50
Toluene-d8
Concen: 51.092 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012742.D
Acq: 01 Oct 2019 18:45

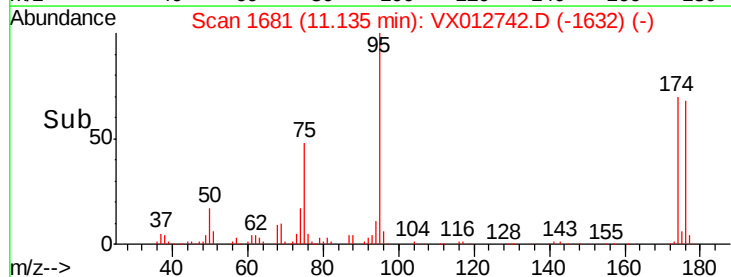
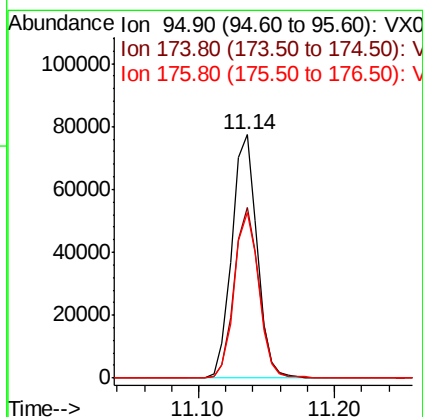
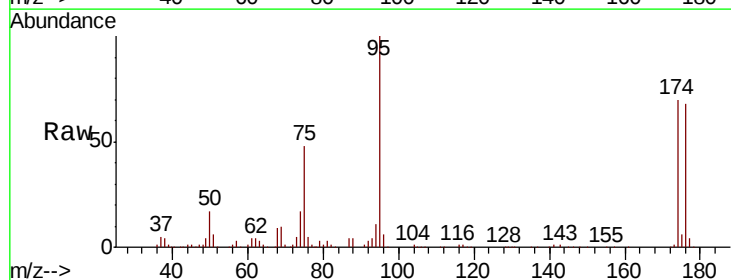
Instrument :
MSVOA_X
ClientSampleId :

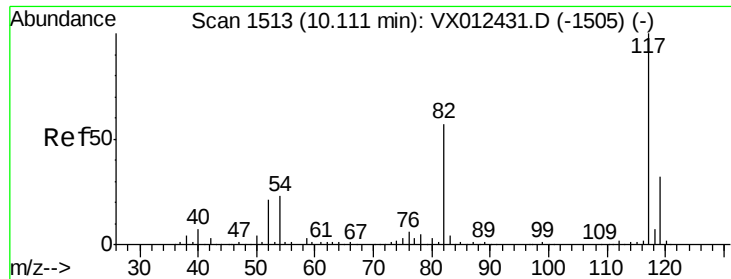
Tot Ion: 98 Resp: 320451
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 40.477 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012742.D
Acq: 01 Oct 2019 18:45

Tgt Ion: 95 Resp: 99825
Ion Ratio Lower Upper
95 100
174 68.9 0.0 140.0
176 66.4 0.0 135.4

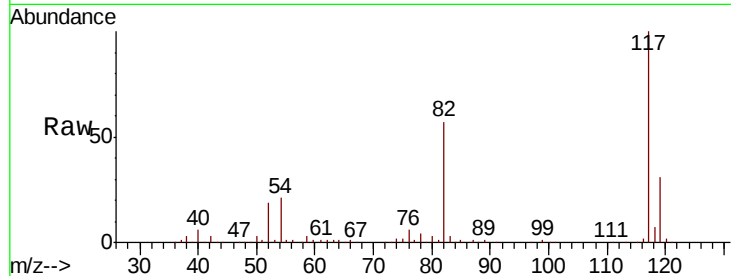




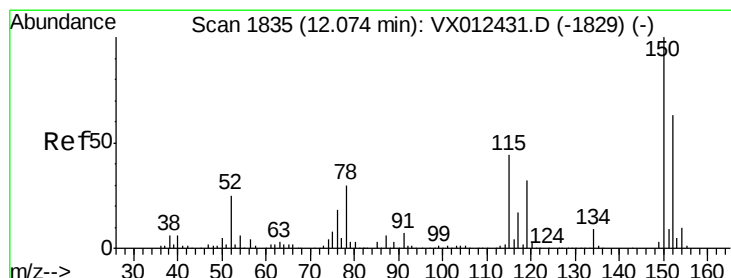
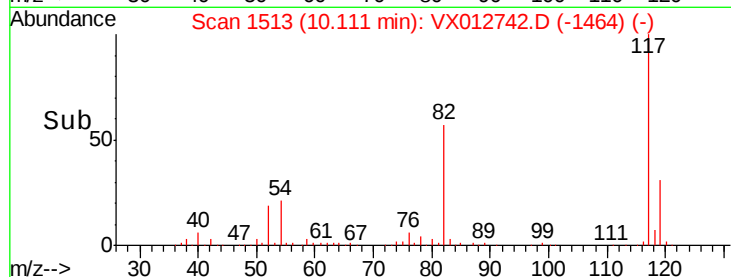
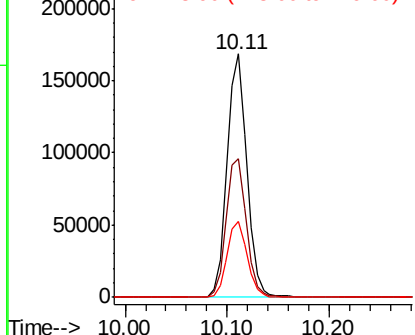
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012742.D
Acq: 01 Oct 2019 18:45

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 225201
Ion Ratio Lower Upper
117 100
82 56.7 45.9 68.9
119 31.4 25.3 37.9

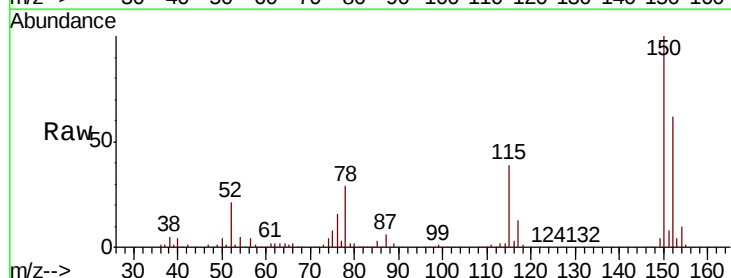


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

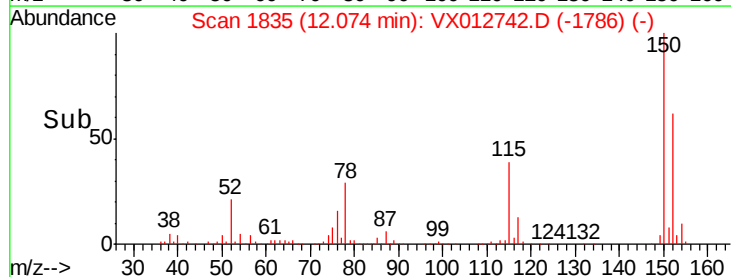
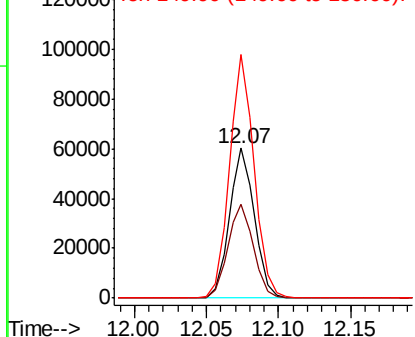


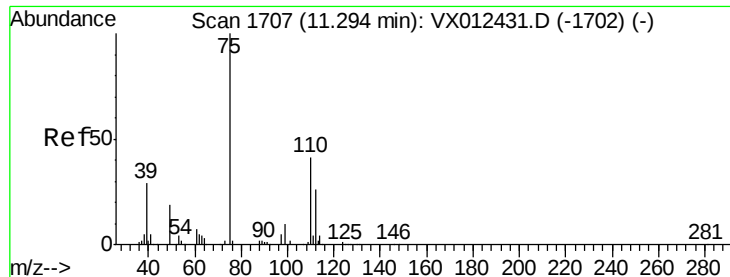
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012742.D
Acq: 01 Oct 2019 18:45

Tgt Ion:152 Resp: 73444
Ion Ratio Lower Upper
152 100
115 63.9 44.1 132.3
150 160.0 0.0 343.8



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: 25.812 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012742.D

Acq: 01 Oct 2019 18:45

Instrument :

MSVOA_X

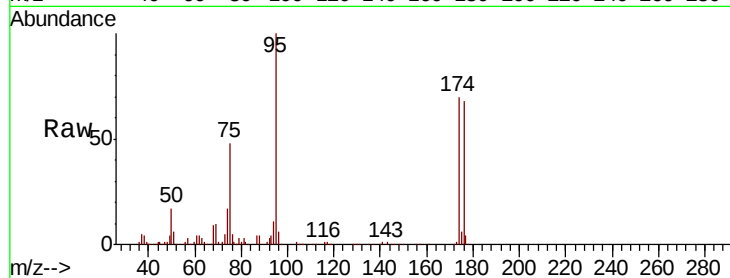
ClientSampled :

Tot Ion: 75 Resp: 50146

Ion Ratio Lower Upper

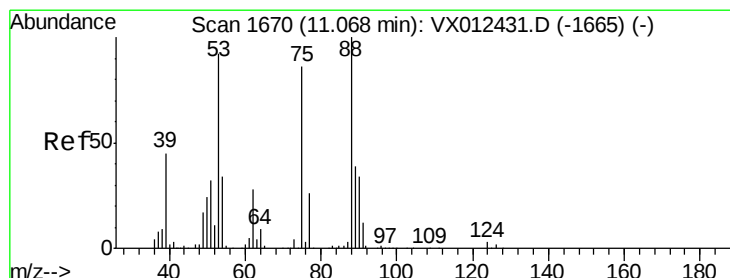
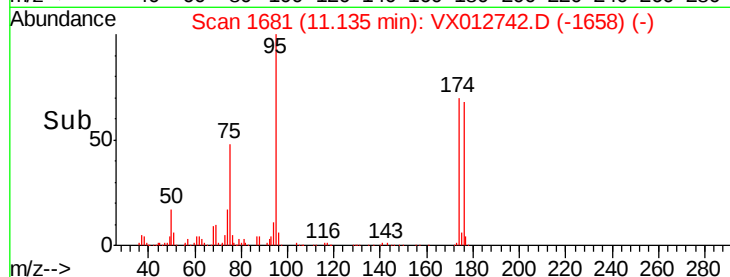
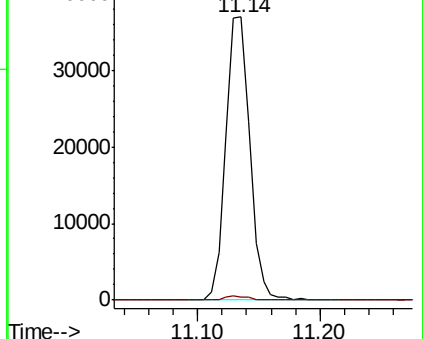
75 100

77 1.4 19.7 59.0#



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: 73.970 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012742.D

Acq: 01 Oct 2019 18:45

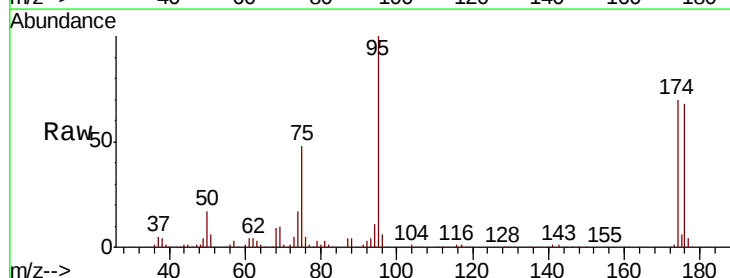
Tgt Ion: 75 Resp: 50146

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

