

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012733.D
 Acq On : 01 Oct 2019 15:14
 Operator : JC/SP
 Sample : K5082-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 01:46:54 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	164629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	290582	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96331	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	118211	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
35) Dibromofluoromethane	5.49	113	87389	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	8.71	98	339919	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.14	95	116680	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	

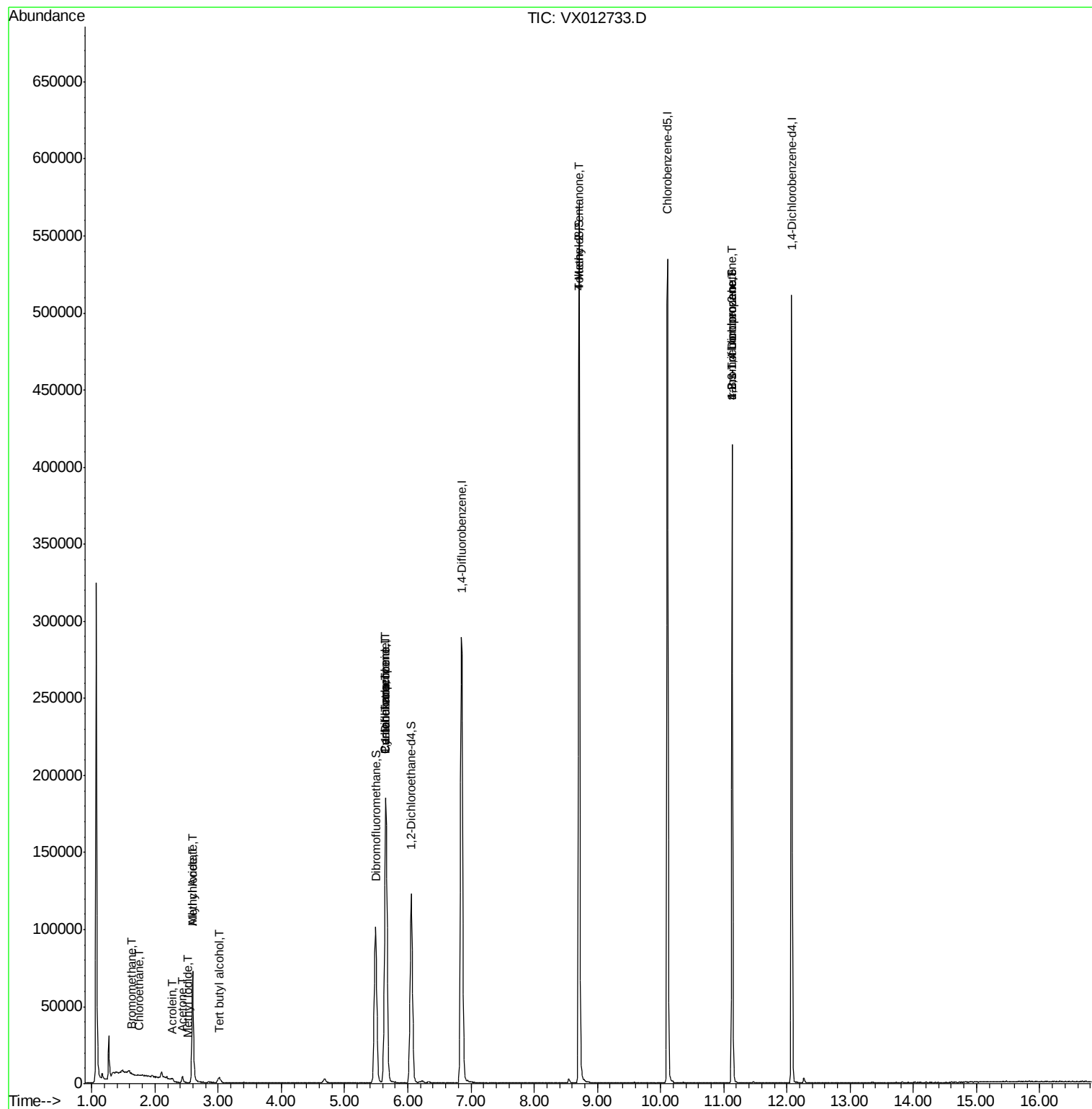
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	302	0.363	ug/l #	56
6) Chloroethane	1.75	64	475	0.333	ug/l #	87
10) Methyl Iodide	2.51	142	25	4.965	ug/l #	35
11) Tert butyl alcohol	3.02	59	3410	5.694	ug/l #	76
13) Acrolein	2.28	56	114	10.561	ug/l	93
14) Allyl chloride	2.59	41	7124	2.029	ug/l #	64
16) Acetone	2.44	43	4140	3.260	ug/l	93
18) Methyl Acetate	2.59	43	19078	6.381	ug/l #	54
31) Cyclohexane	5.65	56	3862	1.157	ug/l #	10
36) 1,1-Dichloropropene	5.65	75	14258	5.091	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18558	6.523	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1643	0.486	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	58888	23.110	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	58888	66.227	ug/l #	8

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

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ClientSampled :

Quant Time: Oct 02 01:46:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 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: VX012733.D

Acq: 01 Oct 2019 15:14

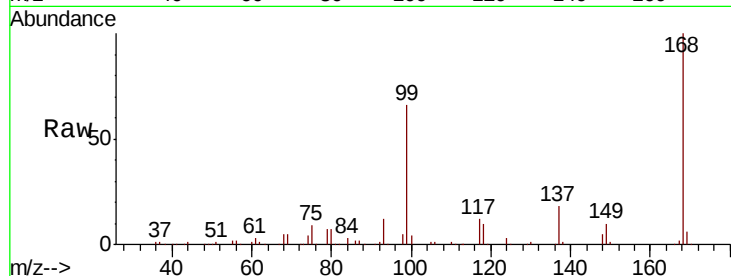
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 164629

Ion Ratio Lower Upper

168 100

99 65.8 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

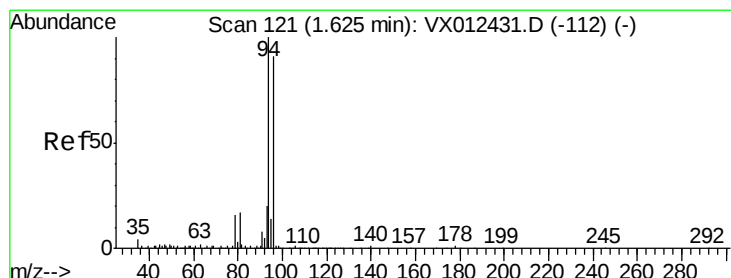
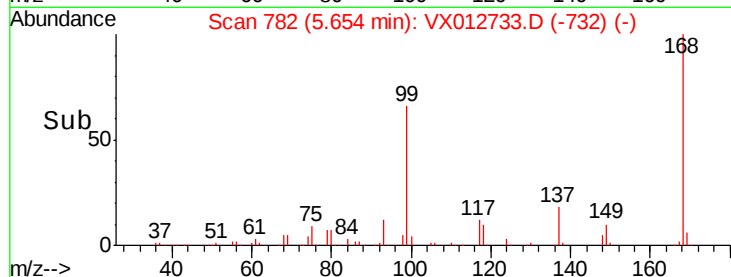
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: 0.363 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012733.D

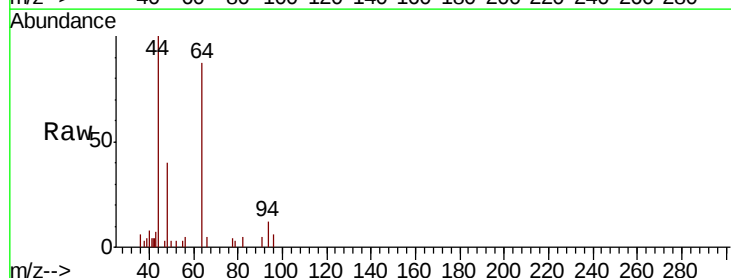
Acq: 01 Oct 2019 15:14

Tgt Ion: 94 Resp: 302

Ion Ratio Lower Upper

94 100

96 49.0 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

250

200

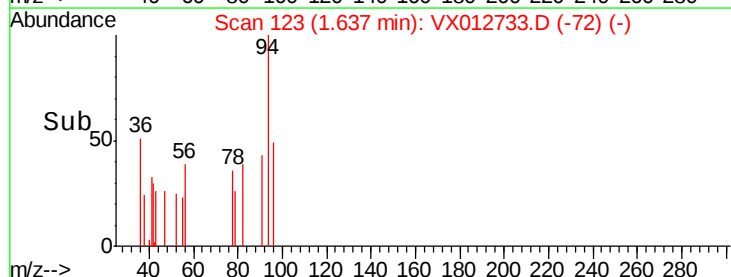
150

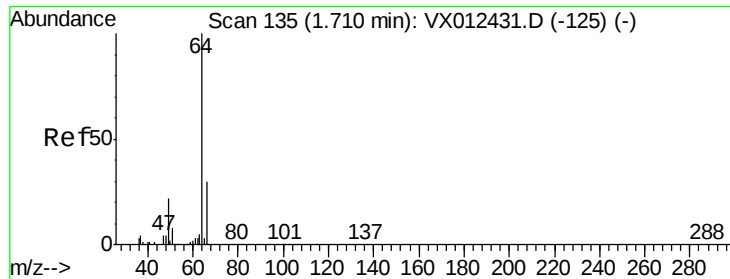
100

50

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 0.333 ug/l

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX012733.D

Acq: 01 Oct 2019 15:14

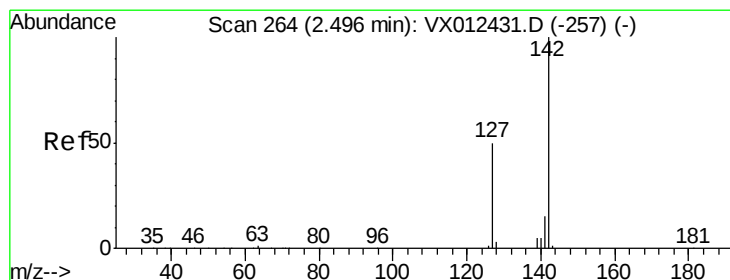
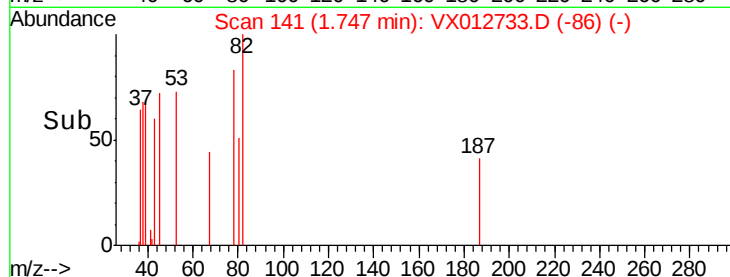
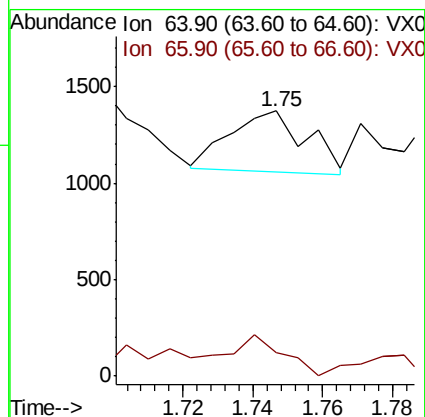
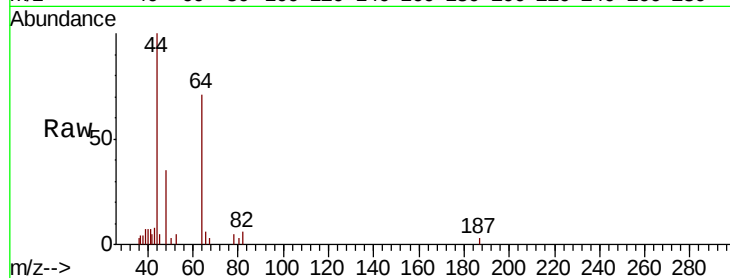
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 64 Resp: 475

Ion Ratio Lower Upper

64 100

66 22.7 24.0 36.0#



#10

Methyl Iodide

Concen: 4.965 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012733.D

Acq: 01 Oct 2019 15:14

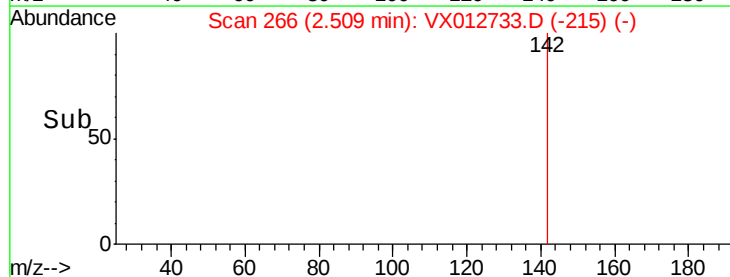
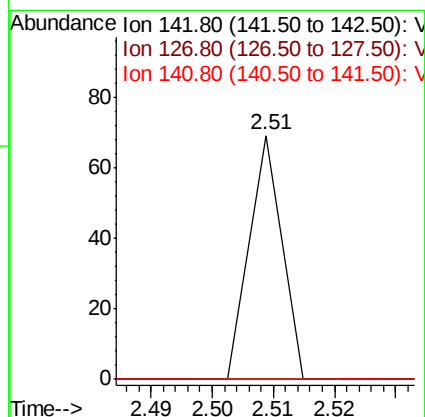
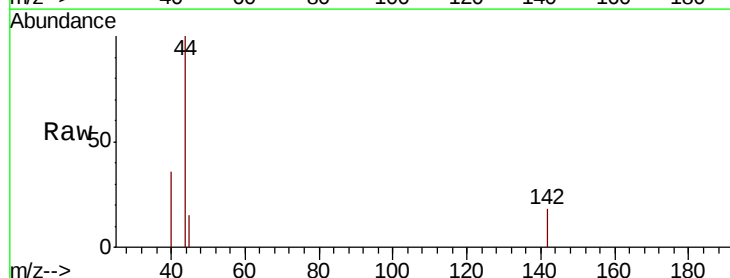
Tgt Ion: 142 Resp: 25

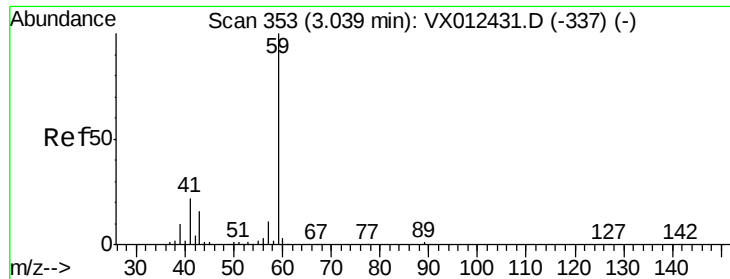
Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#

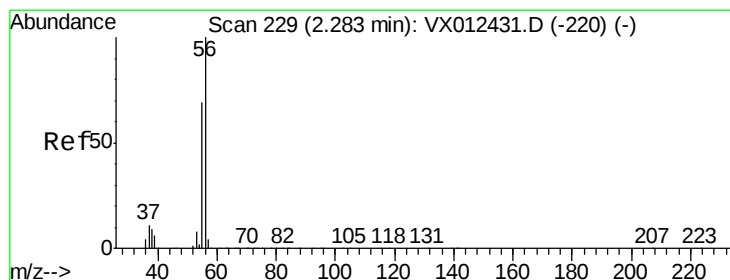
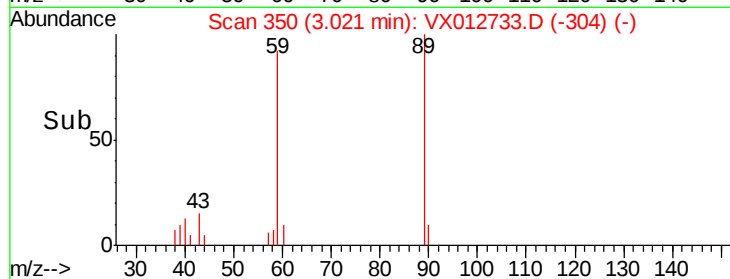
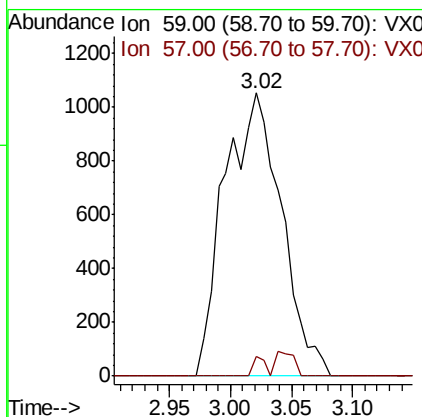
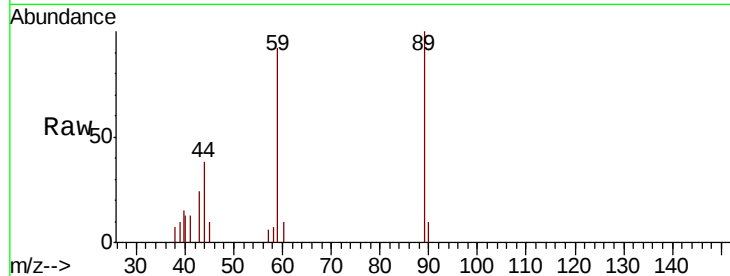




#11
Tert butyl alcohol
Concen: 5.694 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012733.D
Acq: 01 Oct 2019 15:14

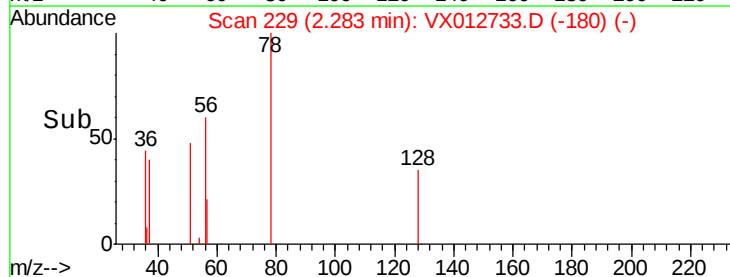
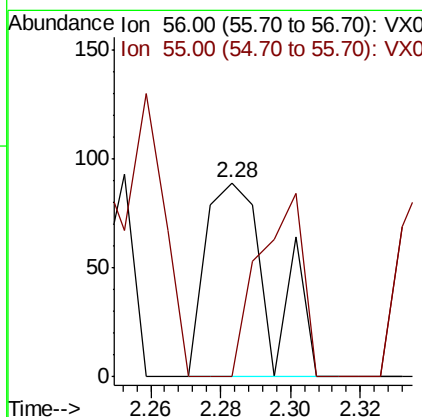
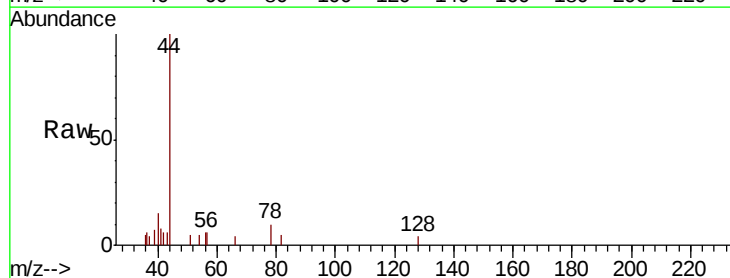
Instrument :
MSVOA_X
ClientSampled :

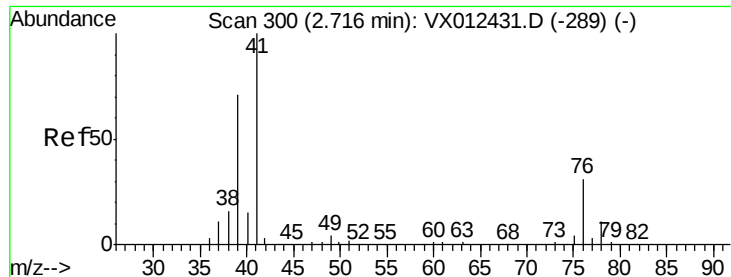
Tot Ion: 59 Resp: 3410
Ion Ratio Lower Upper
59 100
57 1.4 8.3 12.5#



#13
Acrolein
Concen: 10.561 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012733.D
Acq: 01 Oct 2019 15:14

Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 64.0 55.8 83.8

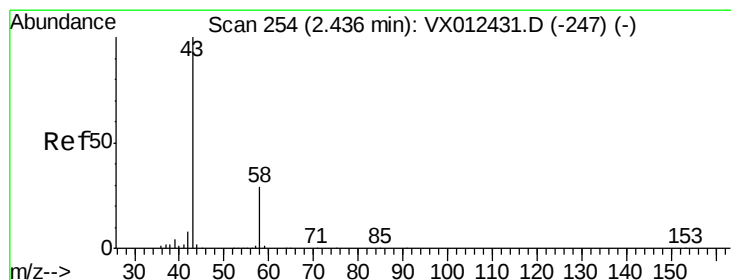
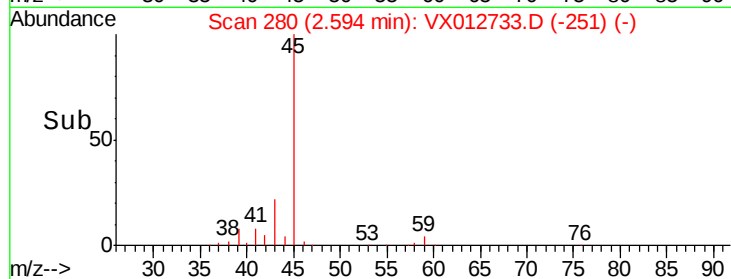
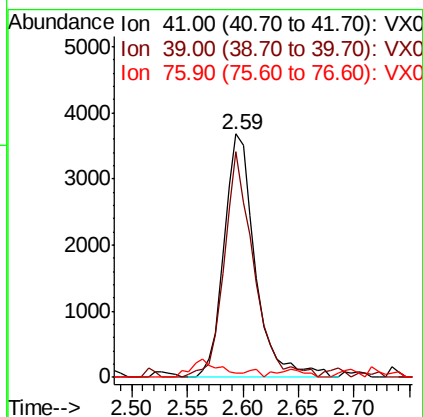
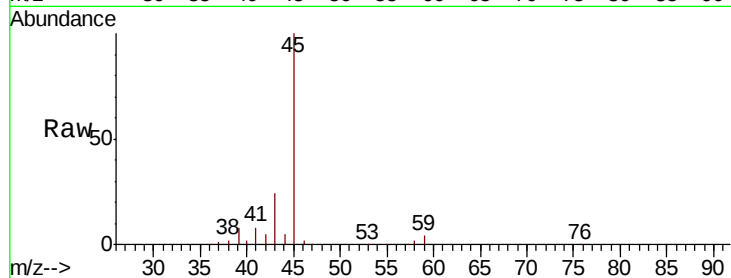




#14
Allvl chloride
Concen: 2.029 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.12 min
Lab File: VX012733.D
Acq: 01 Oct 2019 15:14

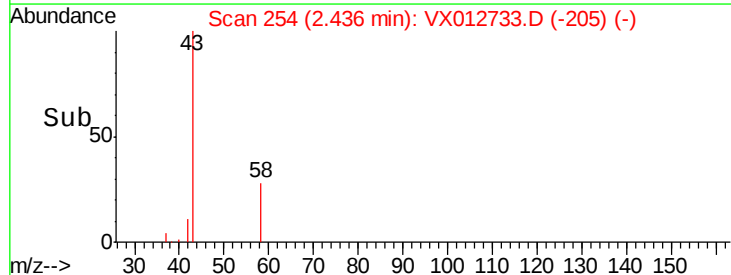
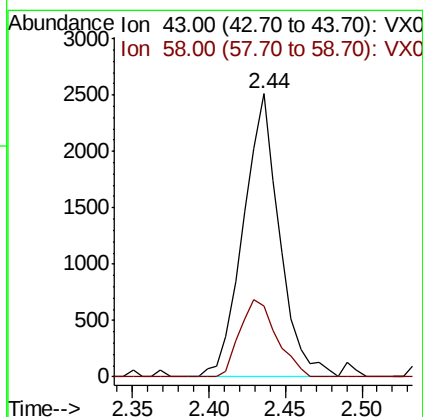
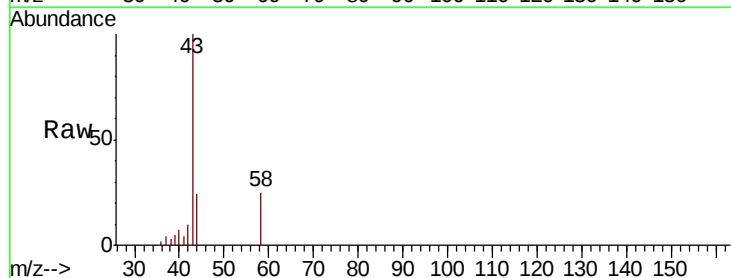
Instrument :
MSVOA_X
ClientSampled :

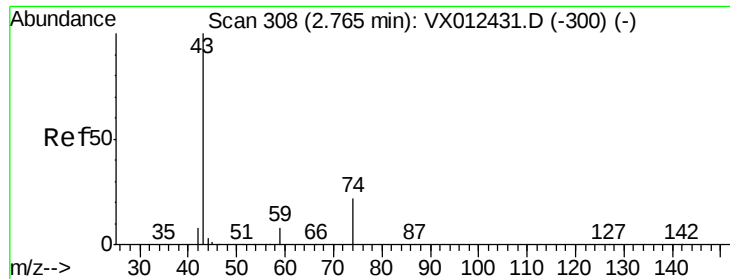
Tot Ion: 41 Resp: 7124
Ion Ratio Lower Upper
41 100
39 87.5 51.3 76.9#
76 1.5 22.6 33.8#



#16
Acetone
Concen: 3.260 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX012733.D
Acq: 01 Oct 2019 15:14

Tgt Ion: 43 Resp: 4140
Ion Ratio Lower Upper
43 100
58 25.2 23.3 34.9

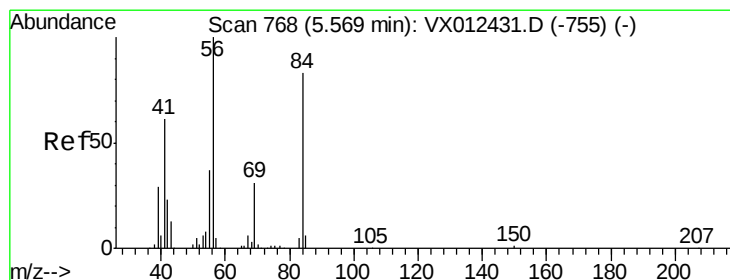
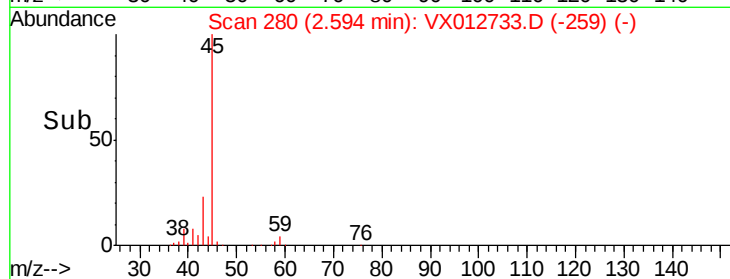
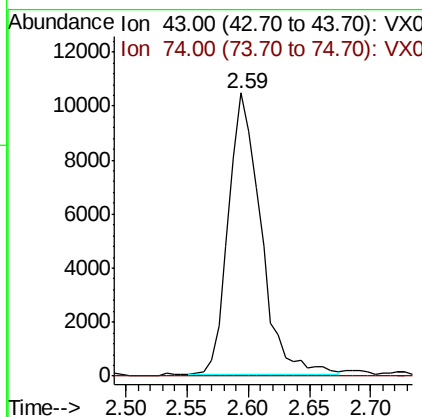
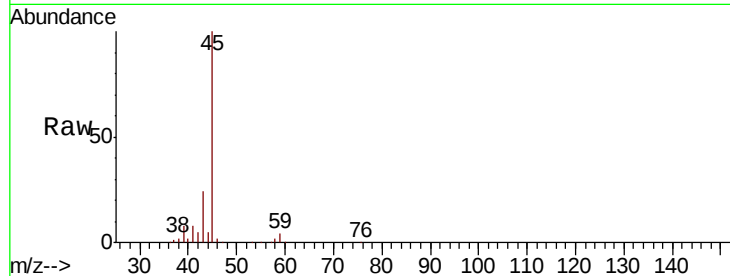




#18
Methvl Acetate
Concen: 6.381 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012733.D
Acq: 01 Oct 2019 15:14

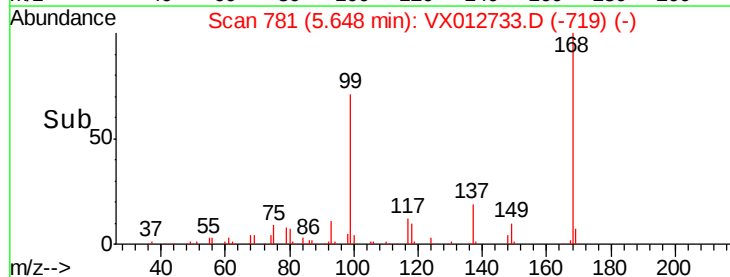
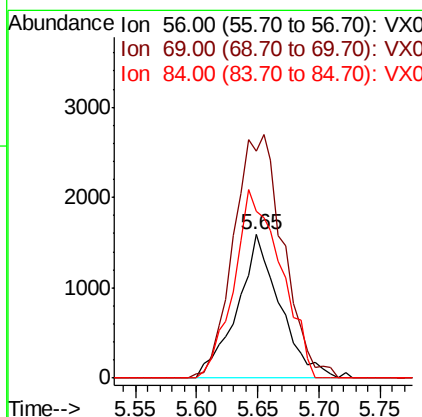
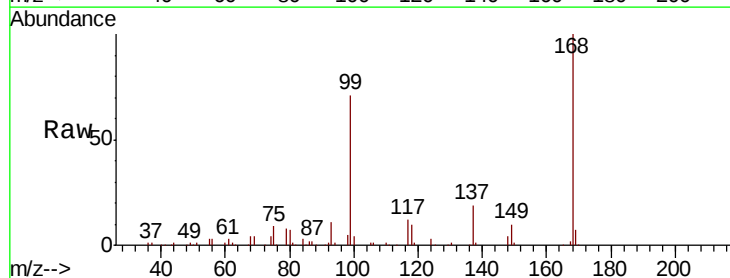
Instrument :
MSVOA_X
ClientSampleId :

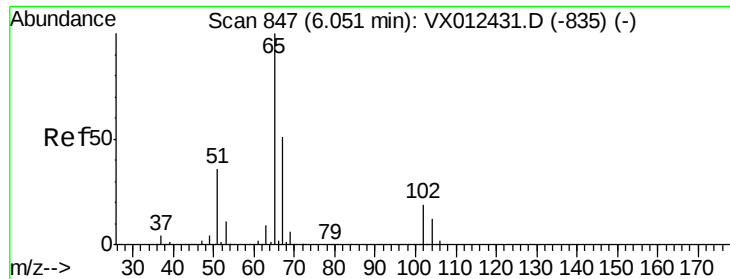
Tot Ion: 43 Resp: 19078
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012733.D
Acq: 01 Oct 2019 15:14

Tgt Ion: 56 Resp: 3862
Ion Ratio Lower Upper
56 100
69 158.2 25.0 37.6#
84 116.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.310 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012733.D

Acq: 01 Oct 2019 15:14

Instrument :

MSVOA_X

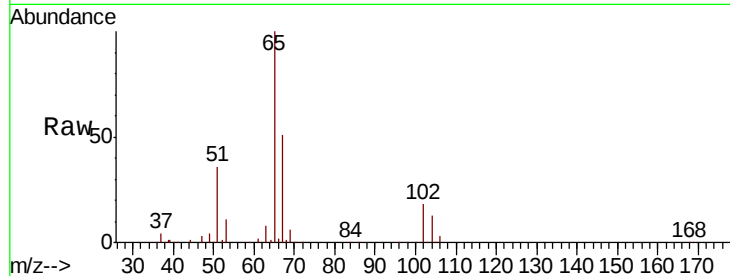
ClientSampled :

Tot Ion: 65 Resp: 118211

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

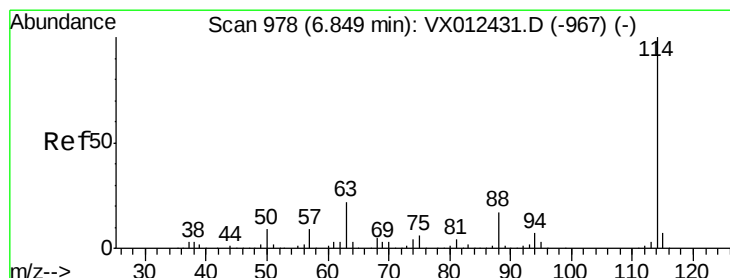
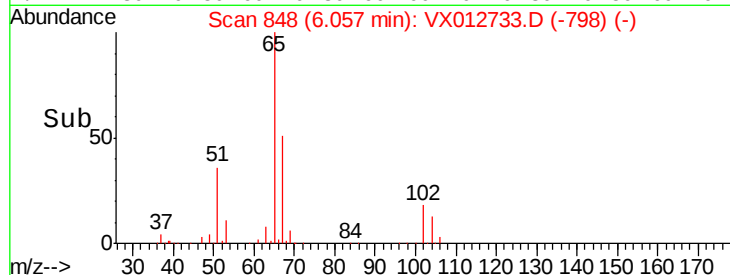
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012733.D

Acq: 01 Oct 2019 15:14

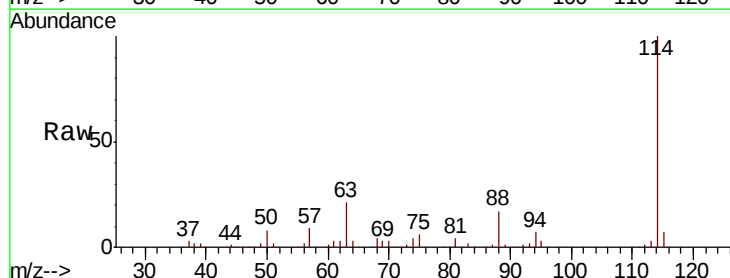
Tgt Ion: 114 Resp: 290582

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 16.7 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

150000

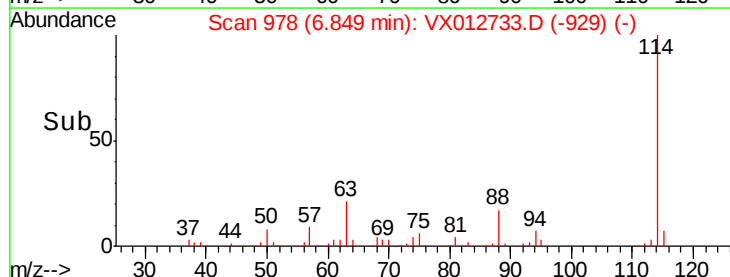
100000

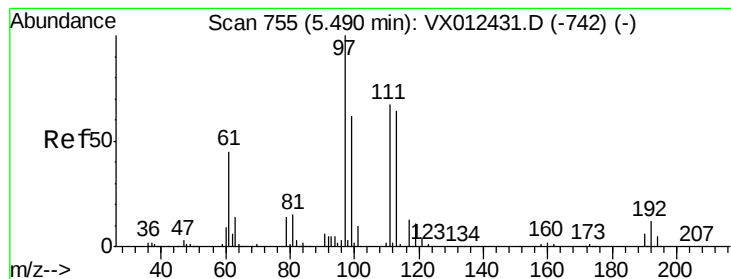
50000

0

Time-->

6.80 6.90





#35

Dibromofluoromethane

Concen: 50.498 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012733.D

Acq: 01 Oct 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

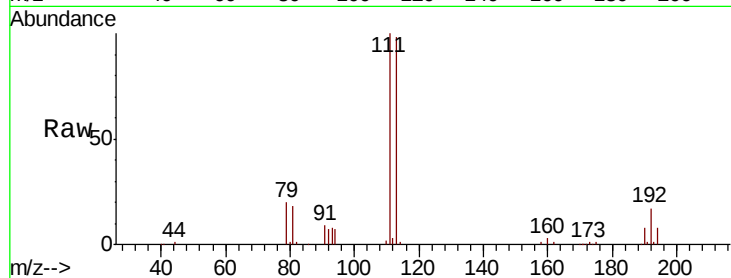
Tot Ion:113 Resp: 87389

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.2

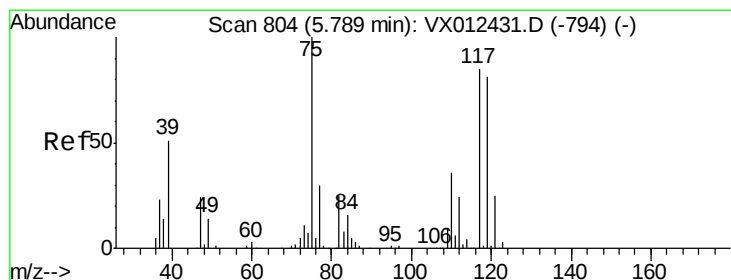
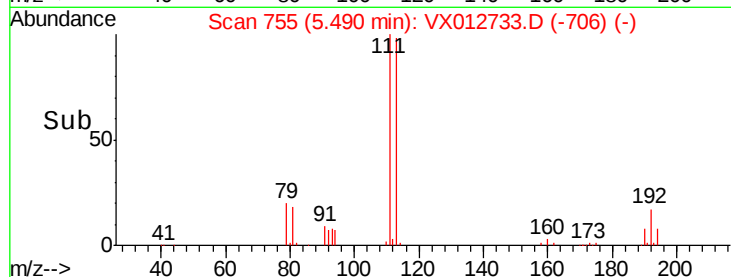
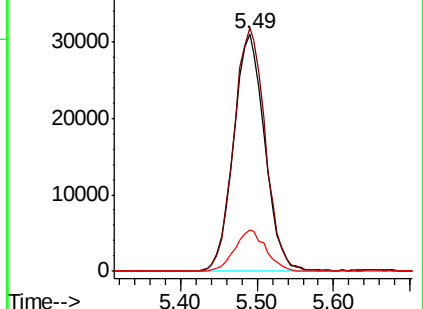
192 17.5 14.4 21.6



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: 5.091 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012733.D

Acq: 01 Oct 2019 15:14

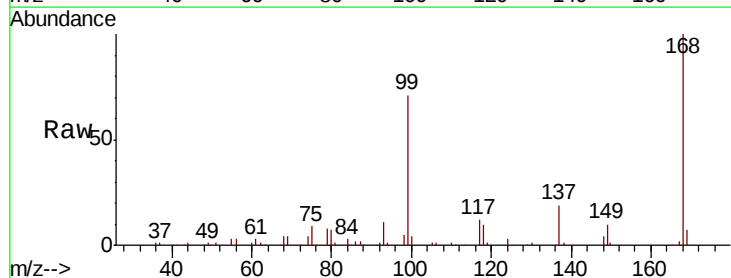
Tgt Ion: 75 Resp: 14258

Ion Ratio Lower Upper

75 100

110 9.5 16.7 50.0#

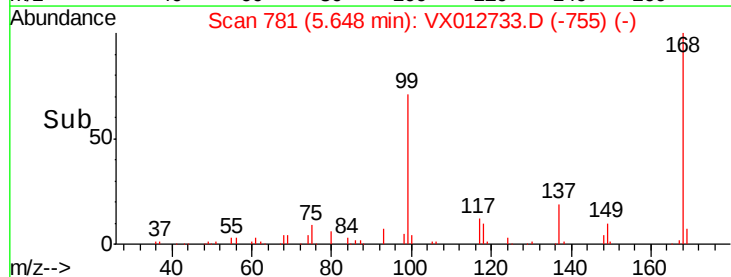
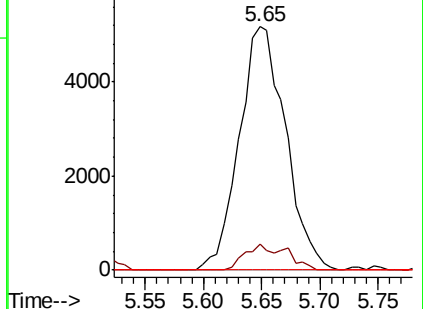
77 0.0 24.2 36.2#

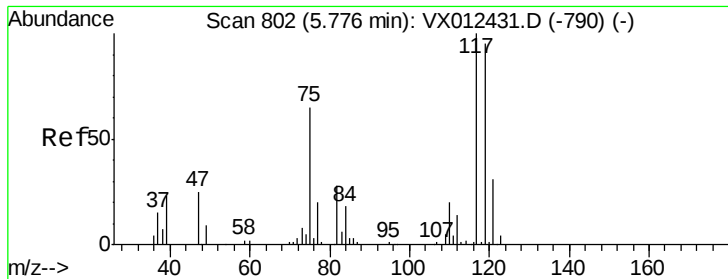


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.523 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012733.D

Acq: 01 Oct 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

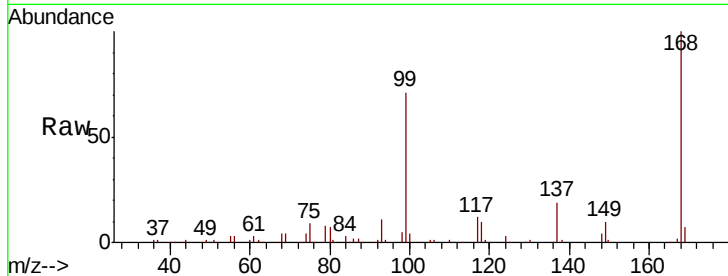
Tot Ion:117 Resp: 18558

Ion Ratio Lower Upper

117 100

119 4.7 75.7 113.5#

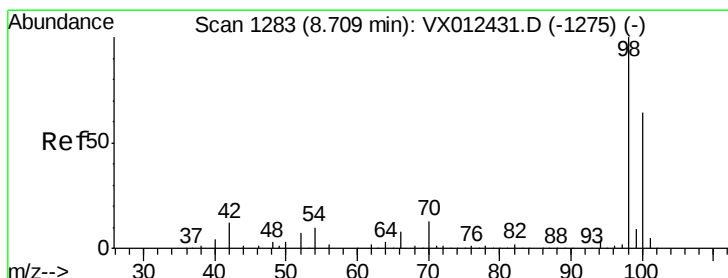
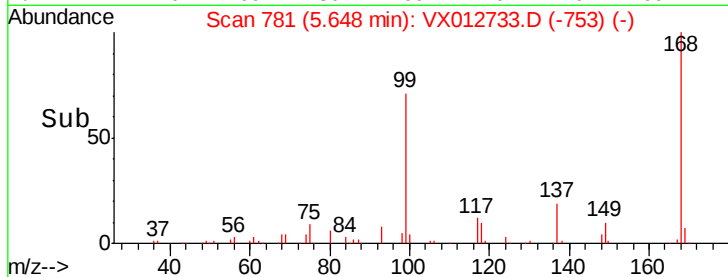
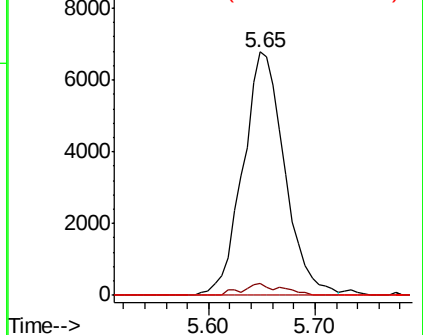
121 0.0 24.2 36.4#



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: 51.005 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012733.D

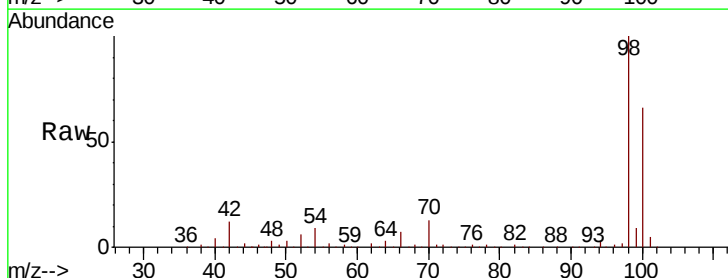
Acq: 01 Oct 2019 15:14

Tgt Ion: 98 Resp: 339919

Ion Ratio Lower Upper

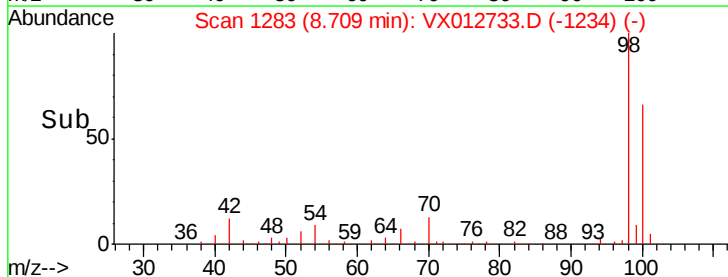
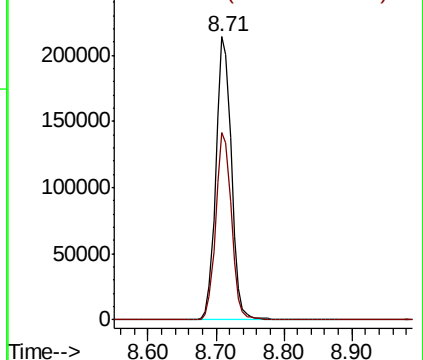
98 100

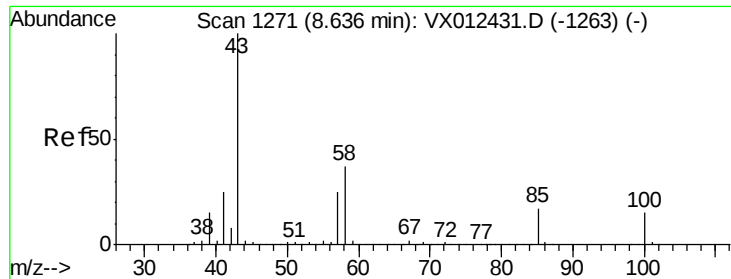
100 66.5 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.486 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012733.D

Acq: 01 Oct 2019 15:14

Instrument :

MSVOA_X

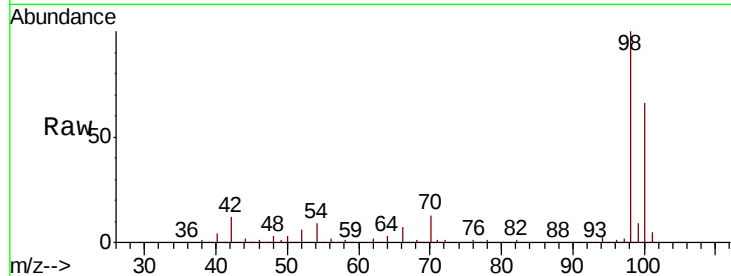
ClientSampleId :

Tot Ion: 43 Resp: 1643

Ion Ratio Lower Upper

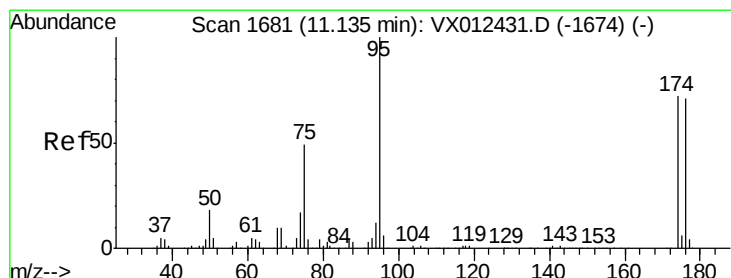
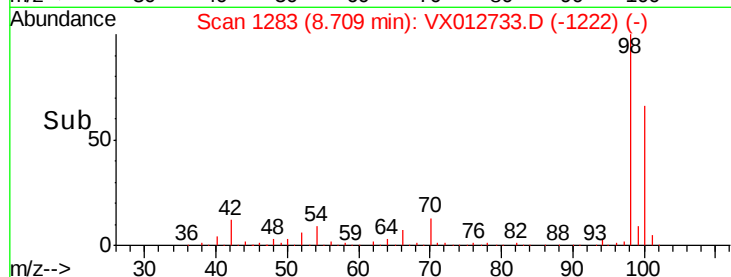
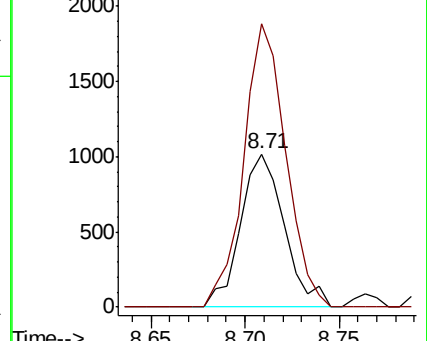
43 100

58 177.6 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.526 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012733.D

Acq: 01 Oct 2019 15:14

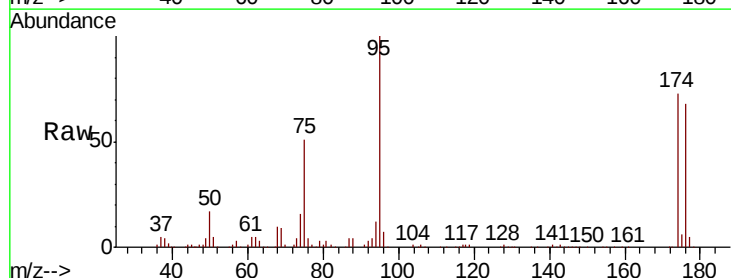
Tgt Ion: 95 Resp: 116680

Ion Ratio Lower Upper

95 100

174 69.3 0.0 140.0

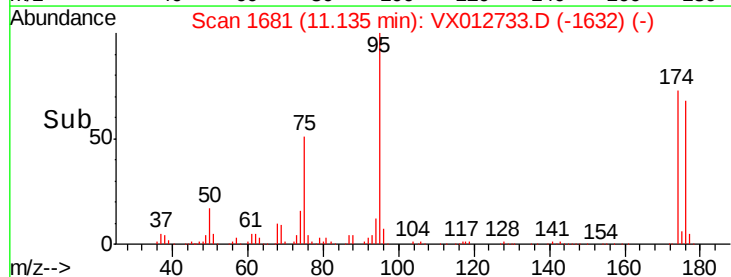
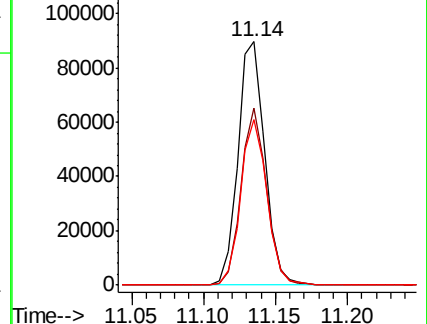
176 66.4 0.0 135.4

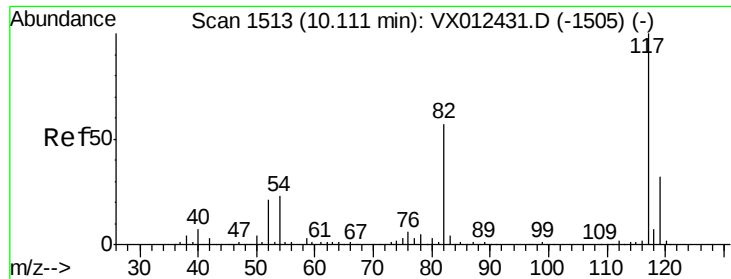


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

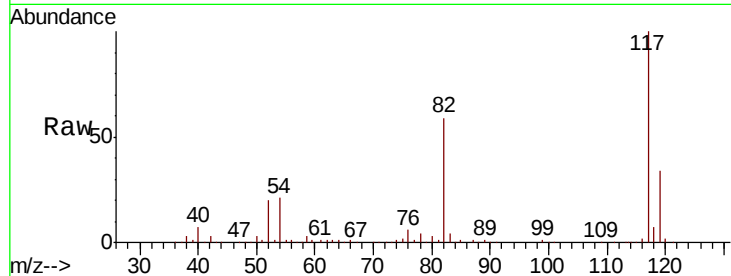




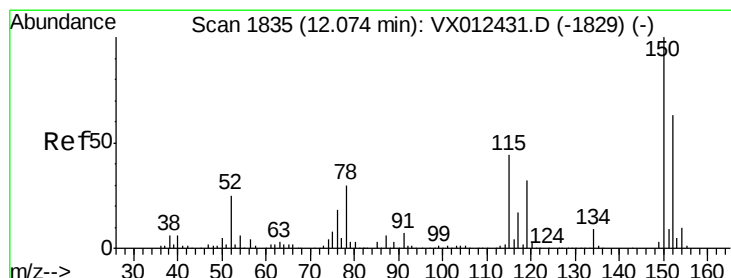
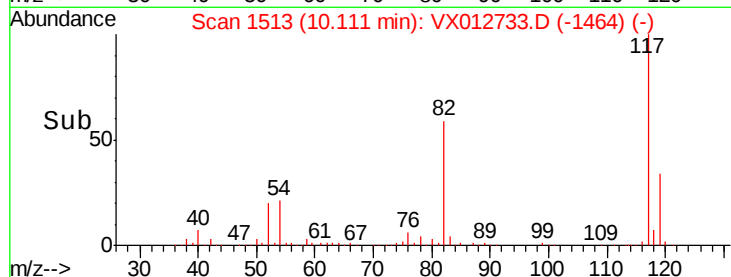
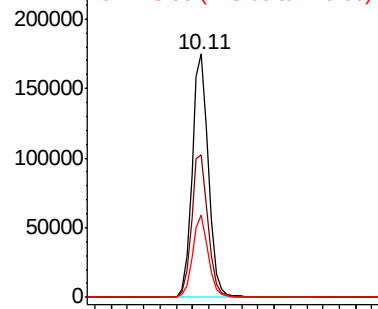
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012733.D
Acq: 01 Oct 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 244538
Ion Ratio Lower Upper
117 100
82 58.6 45.9 68.9
119 33.8 25.3 37.9

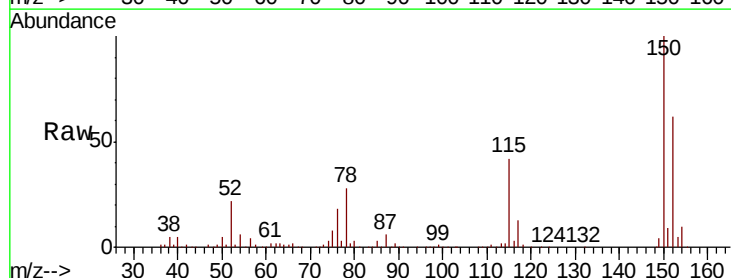


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

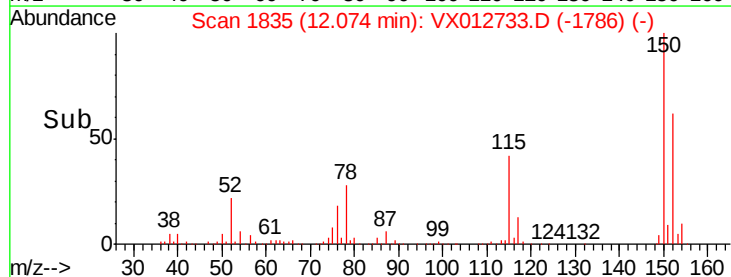
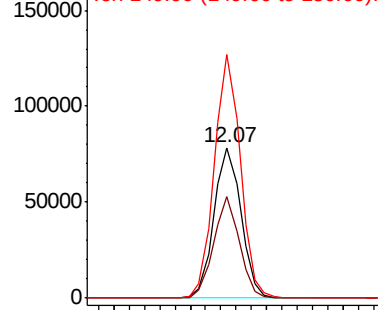


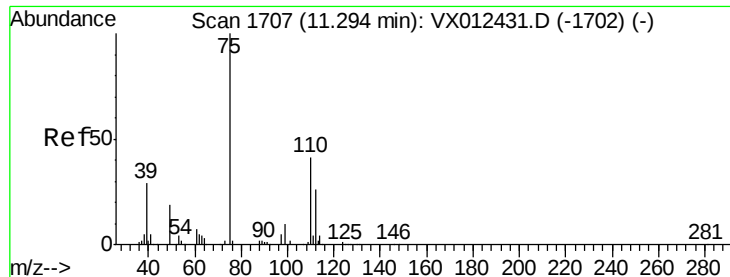
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012733.D
Acq: 01 Oct 2019 15:14

Tgt Ion:152 Resp: 96331
Ion Ratio Lower Upper
152 100
115 63.8 44.1 132.3
150 155.6 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: 23.110 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012733.D

Acq: 01 Oct 2019 15:14

Instrument :

MSVOA_X

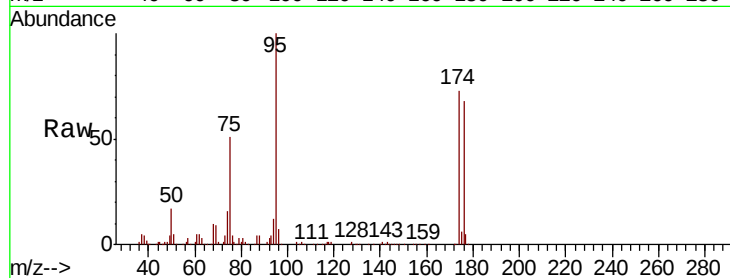
ClientSampled :

Tot Ion: 75 Resp: 58888

Ion Ratio Lower Upper

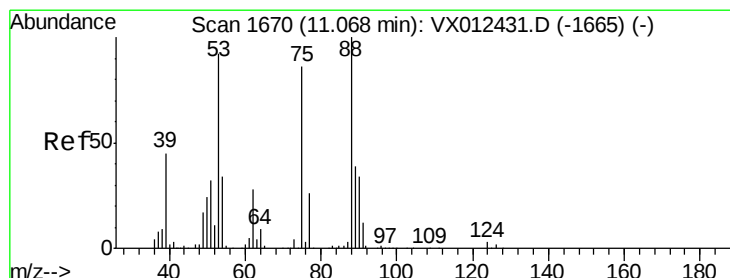
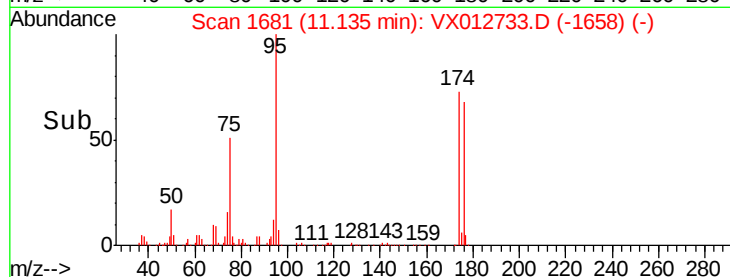
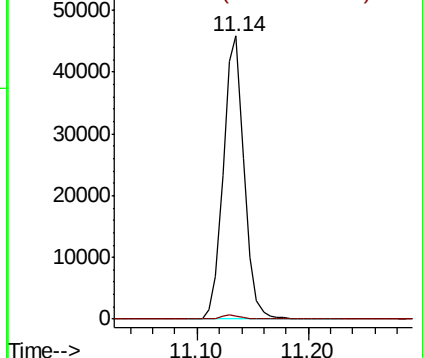
75 100

77 1.3 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: 66.227 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012733.D

Acq: 01 Oct 2019 15:14

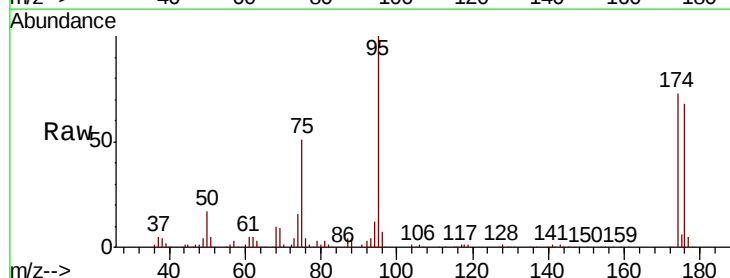
Tgt Ion: 75 Resp: 58888

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

