

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013854.D
 Acq On : 09 Dec 2019 16:10
 Operator : JC/SP
 Sample : K6184-14DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20191203DL

Quant Time: Dec 12 08:10:20 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	621660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	946395	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	854039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	362986	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	344501	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
35) Dibromofluoromethane	5.49	113	281271	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
50) Toluene-d8	8.71	98	1119404	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.14	95	369348	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	

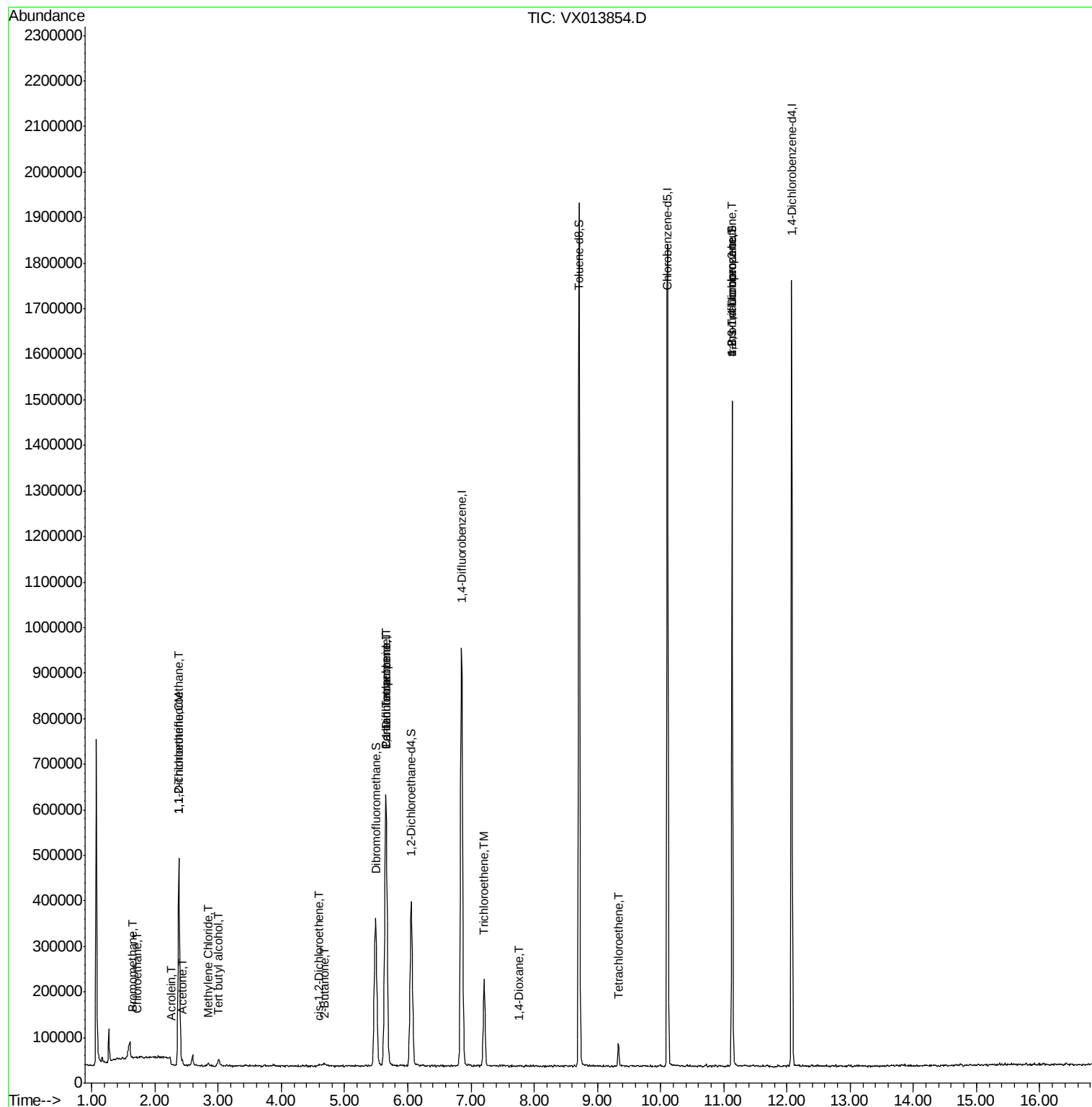
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1834	0.313	ug/l	94
6) Chloroethane	1.72	64	1052	0.212	ug/l #	41
9) 1,1,2-Trichlorotrifluoroet	2.38	101	185280	31.260	ug/l	98
11) Tert butyl alcohol	3.01	59	9351	5.250	ug/l #	86
12) 1,1-Dichloroethene	2.37	96	2330	0.394	ug/l #	70
13) Acrolein	2.27	56	301	6.250	ug/l #	56
16) Acetone	2.43	43	11051	3.102	ug/l #	83
20) Methylene Chloride	2.85	84	2953	0.431	ug/l #	84
25) 2-Butanone	4.68	43	2056	0.388	ug/l #	49
27) cis-1,2-Dichloroethene	4.58	96	2083	0.281	ug/l	46
36) 1,1-Dichloropropene	5.65	75	42435	4.940	ug/l #	51
38) Carbon Tetrachloride	5.65	117	53382	6.739	ug/l #	15
44) Trichloroethene	7.21	130	76063	10.592	ug/l	98
49) 1,4-Dioxane	7.75	88	433	2.509	ug/l #	24
64) Tetrachloroethene	9.33	164	10893	1.710	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	184319	22.577	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	184319	61.765	ug/l #	11

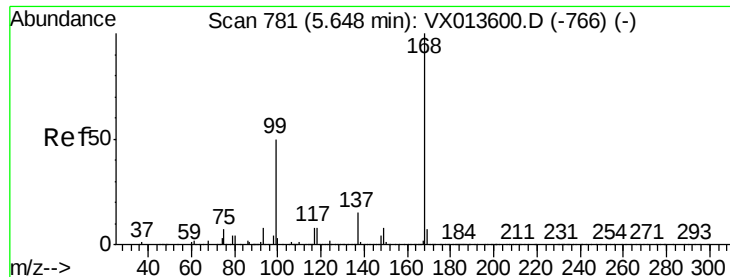
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 12 08:10:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
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: VX013854.D

Acq: 09 Dec 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

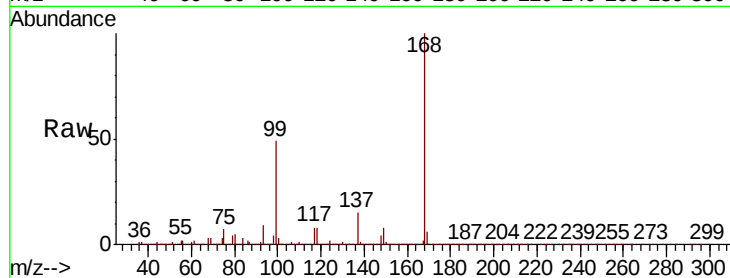
RE122D2-20191203DL

Tot Ion:168 Resp: 621660

Ion Ratio Lower Upper

168 100

99 49.2 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

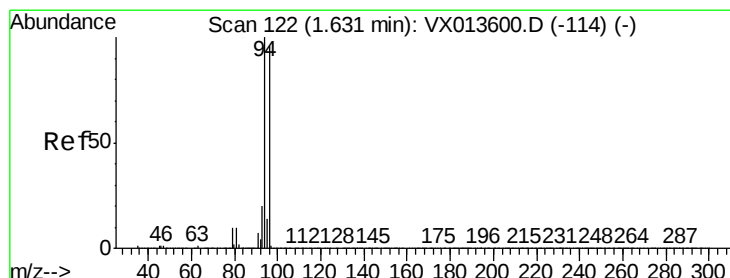
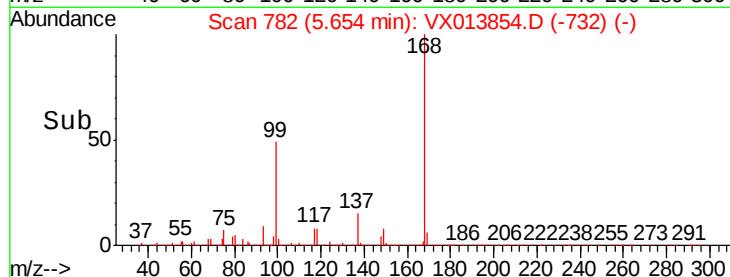
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.313 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013854.D

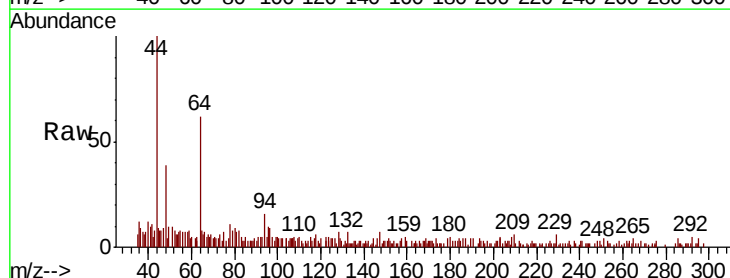
Acq: 09 Dec 2019 16:10

Tgt Ion: 94 Resp: 1834

Ion Ratio Lower Upper

94 100

96 90.8 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

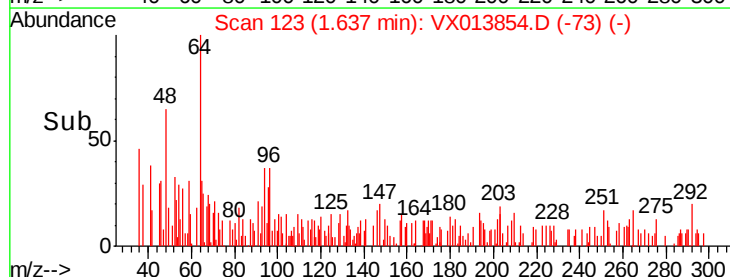
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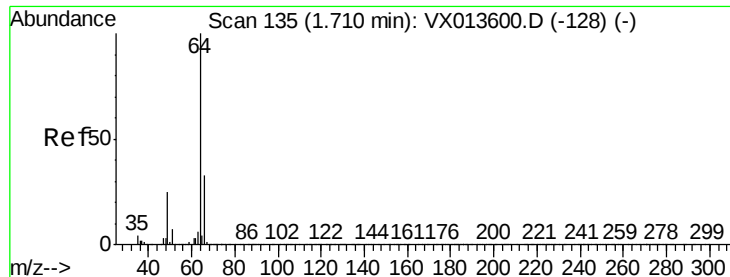
400

200

0

Time-->





#6

Chloroethane

Concen: 0.212 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013854.D

Acq: 09 Dec 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

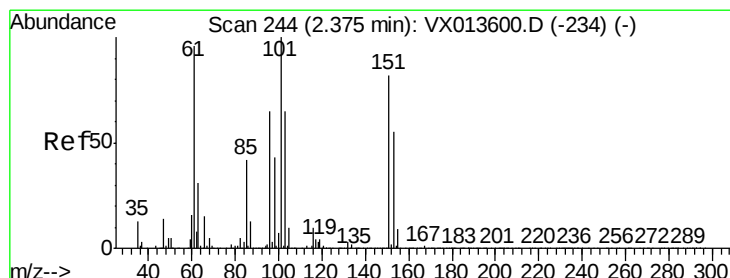
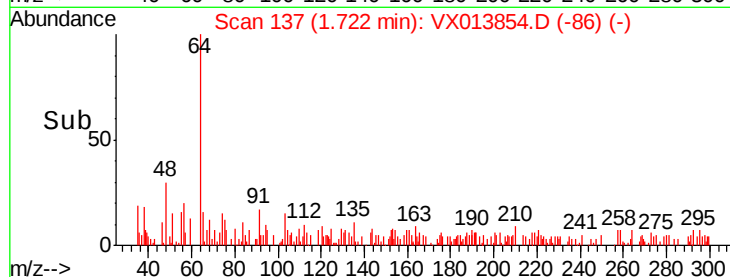
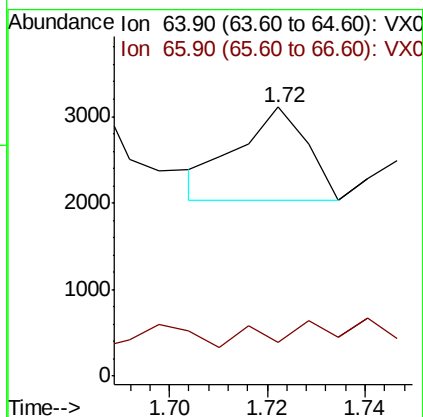
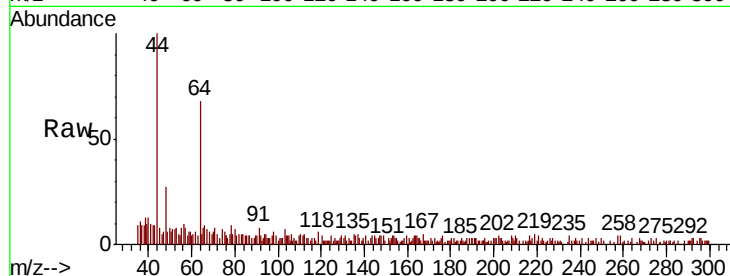
RE122D2-20191203DL

Tot Ion: 64 Resp: 1052

Ion Ratio Lower Upper

64 100

66 0.0 26.7 40.1#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 31.260 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013854.D

Acq: 09 Dec 2019 16:10

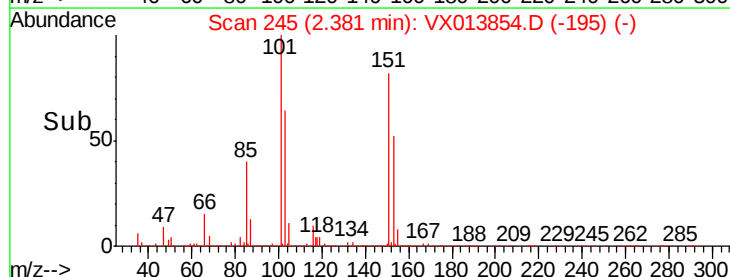
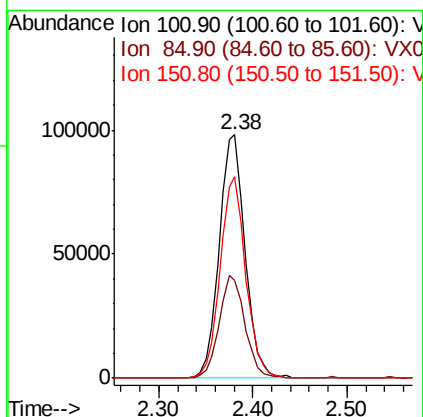
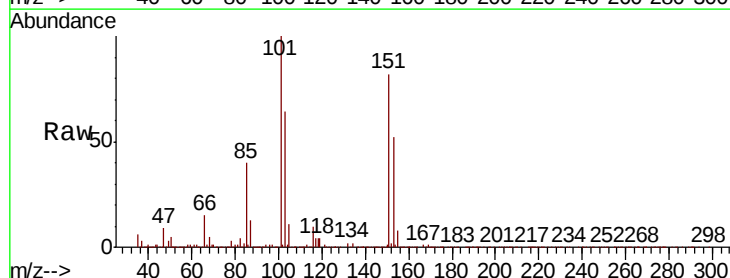
Tgt Ion: 101 Resp: 185280

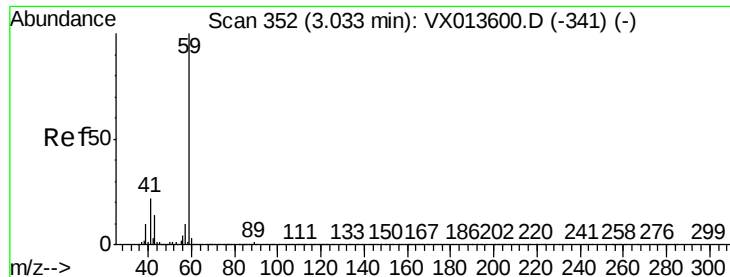
Ion Ratio Lower Upper

101 100

85 41.5 33.9 50.9

151 82.5 64.2 96.2

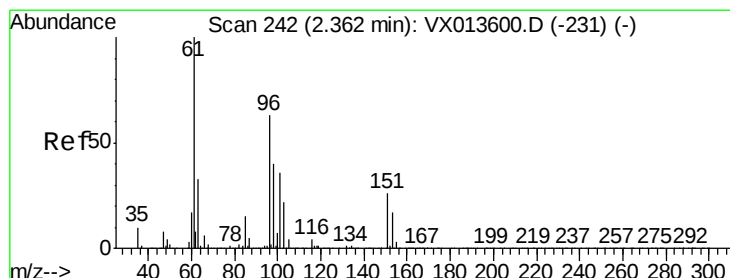
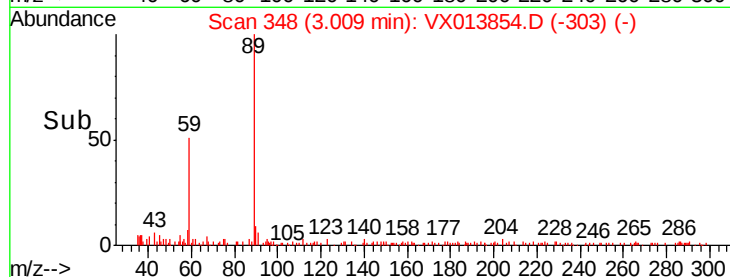
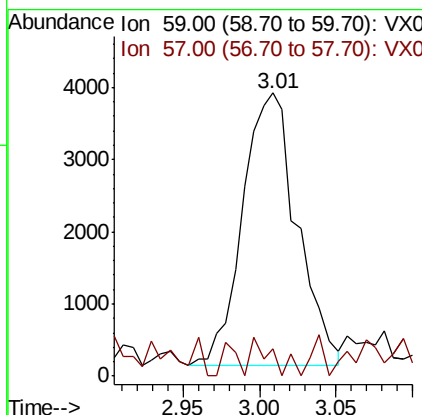
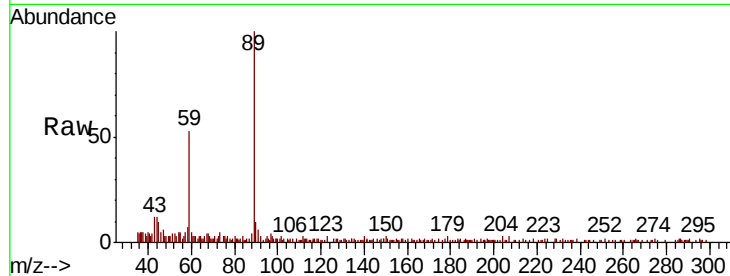




#11
Tert butyl alcohol
Concen: 5.250 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013854.D
Acq: 09 Dec 2019 16:10

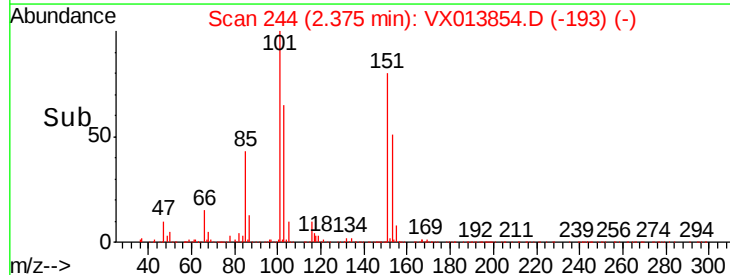
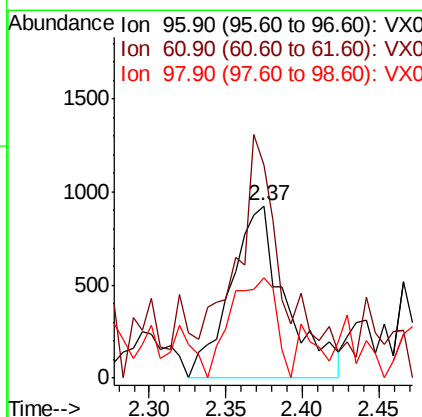
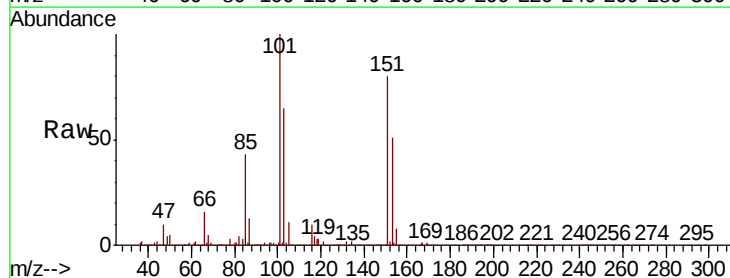
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20191203DL

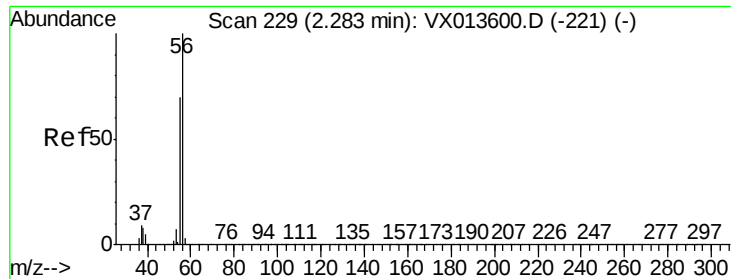
Tot Ion: 59 Resp: 9351
Ion Ratio Lower Upper
59 100
57 4.6 7.8 11.6#



#12
1,1-Dichloroethene
Concen: 0.394 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX013854.D
Acq: 09 Dec 2019 16:10

Tgt Ion: 96 Resp: 2330
Ion Ratio Lower Upper
96 100
61 115.3 126.6 190.0#
98 44.5 50.6 76.0#

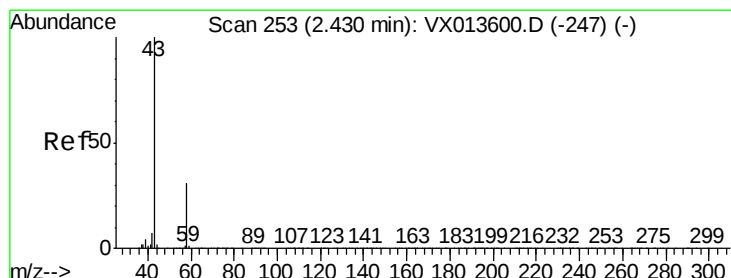
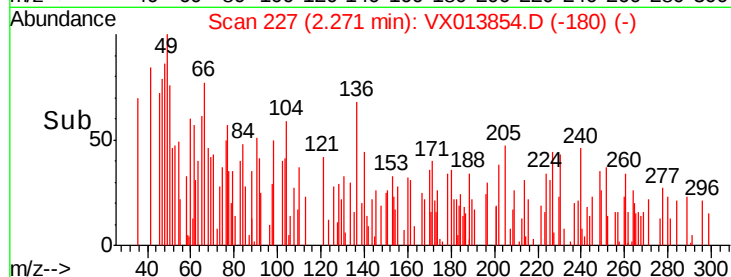
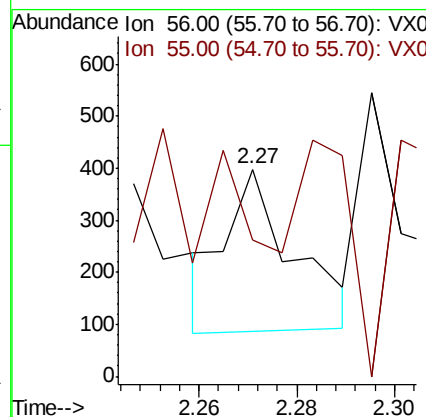
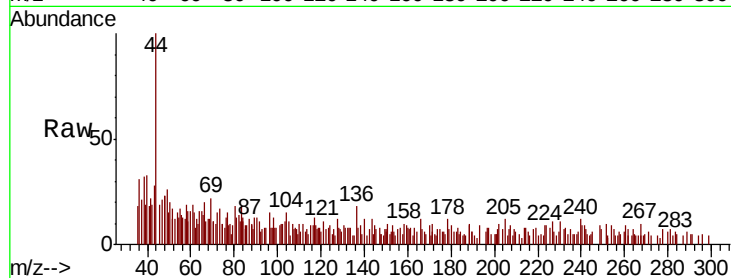




#13
Acrolein
Concen: 6.250 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX013854.D
Acq: 09 Dec 2019 16:10

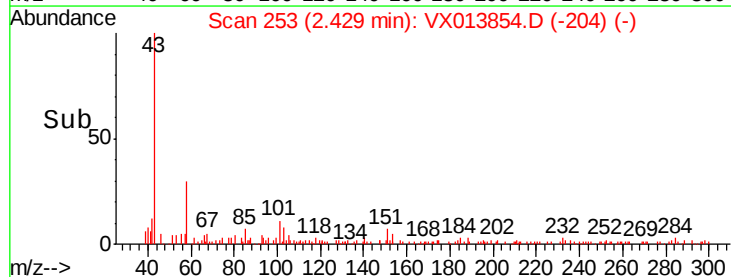
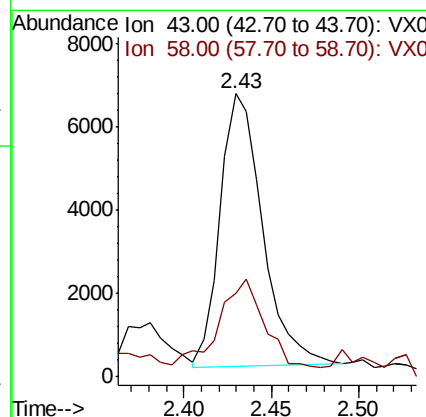
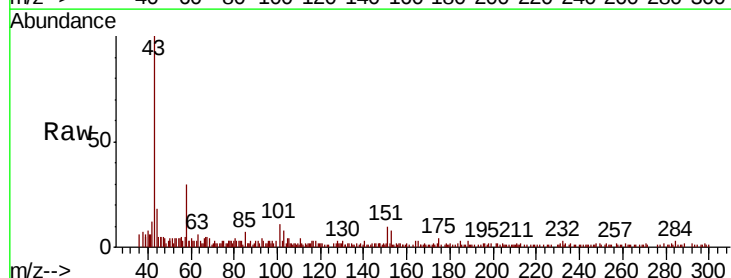
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20191203DL

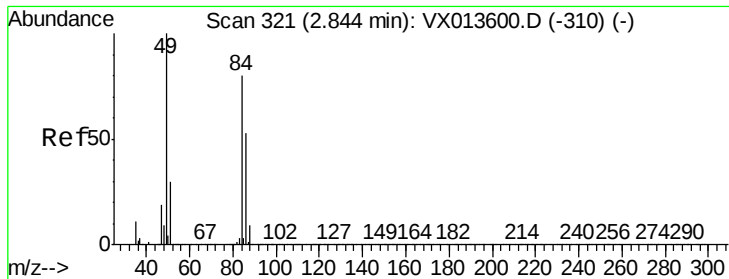
Tot Ion: 56 Resp: 301
Ion Ratio Lower Upper
56 100
55 106.6 56.2 84.4#



#16
Acetone
Concen: 3.102 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013854.D
Acq: 09 Dec 2019 16:10

Tgt Ion: 43 Resp: 11051
Ion Ratio Lower Upper
43 100
58 21.1 24.6 36.8#

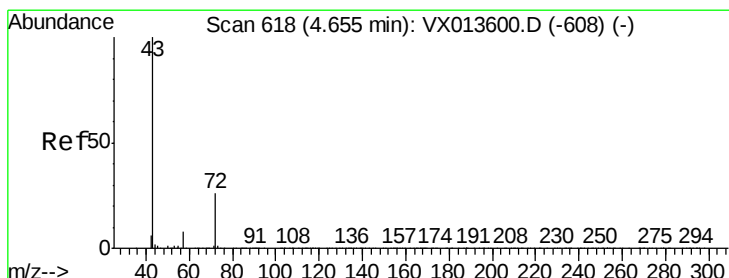
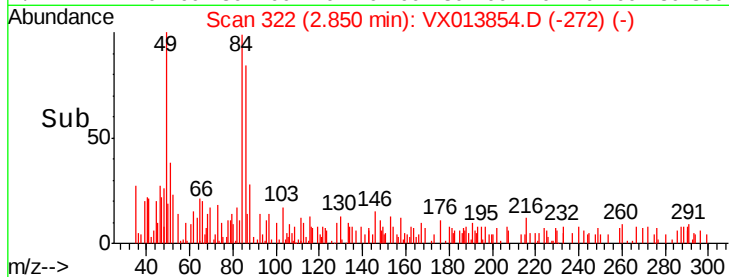
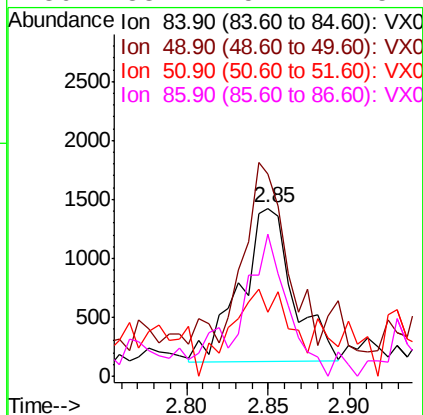
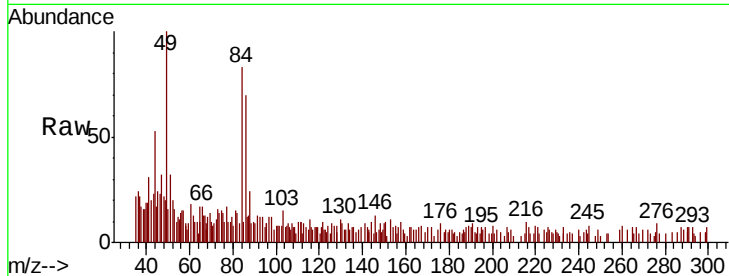




#20
Methvlene Chloride
Concen: 0.431 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013854.D
Acq: 09 Dec 2019 16:10

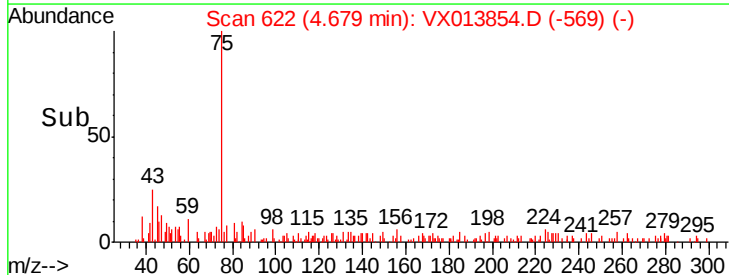
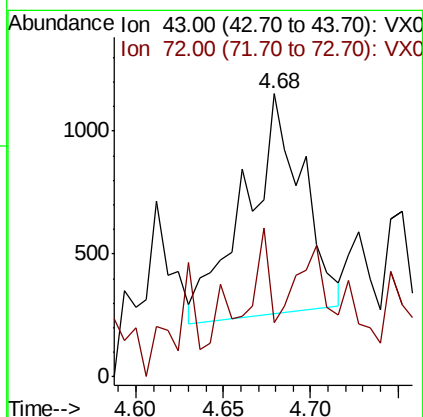
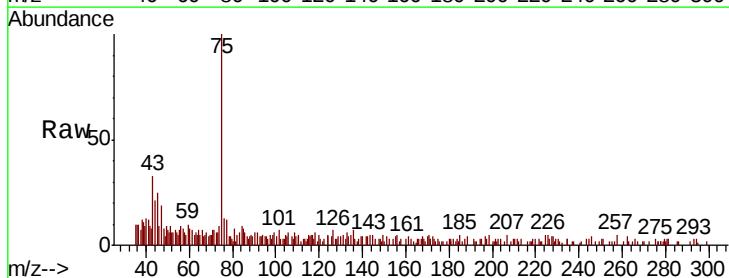
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20191203DL

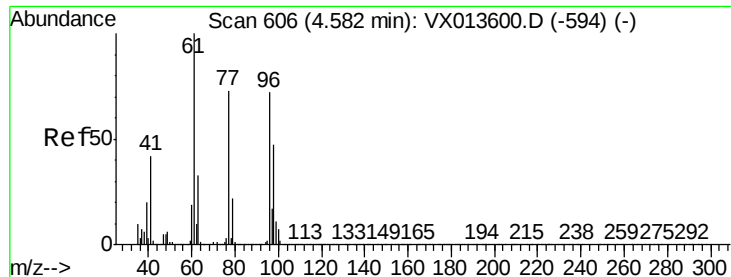
Tot Ion: 84 Resp: 2953
Ion Ratio Lower Upper
84 100
49 112.7 99.7 149.5
51 22.3 29.9 44.9#
86 83.2 52.2 78.4#



#25
2-Butanone
Concen: 0.388 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013854.D
Acq: 09 Dec 2019 16:10

Tgt Ion: 43 Resp: 2056
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



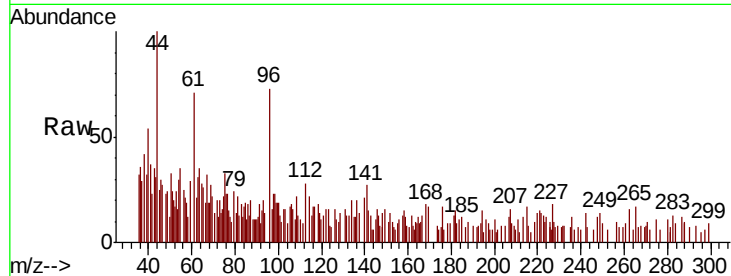


#27

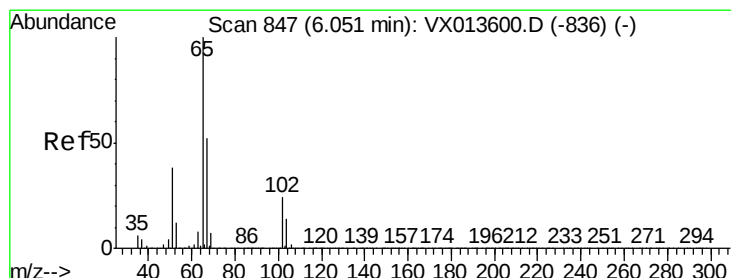
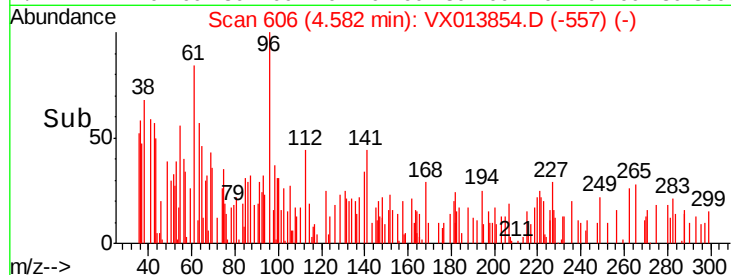
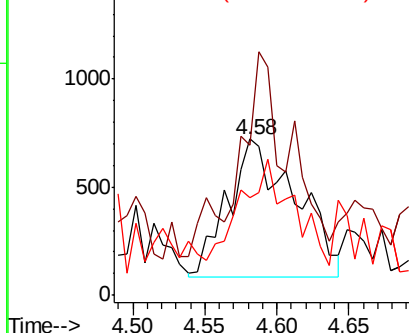
cis-1,2-Dichloroethene
Concen: 0.281 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013854.D
Acq: 09 Dec 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20191203DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	49.4	0.0	286.4
98	59.0	0.0	127.4



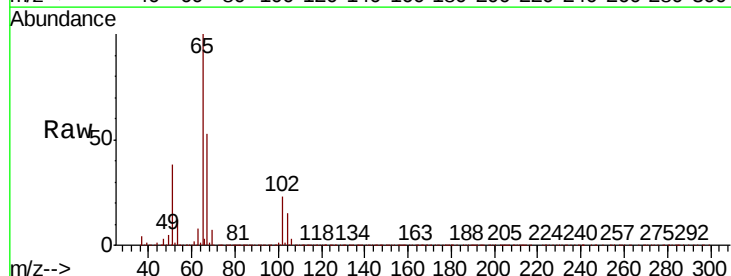
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



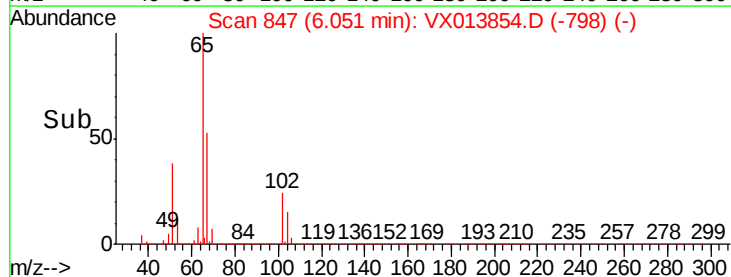
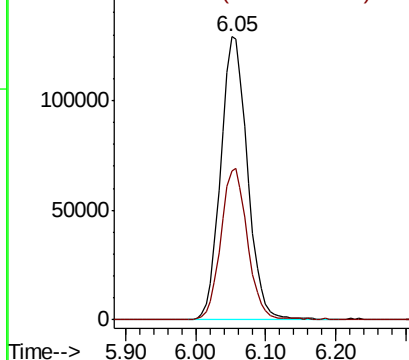
#33

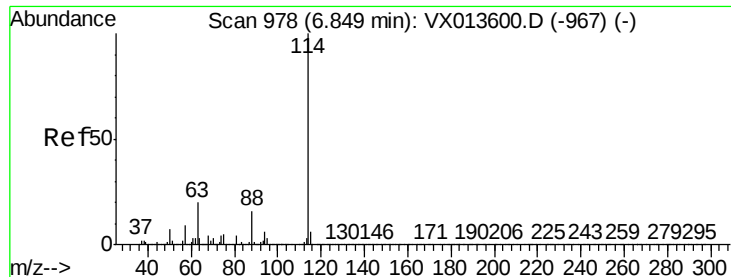
1,2-Dichloroethane-d4
Concen: 47.741 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013854.D
Acq: 09 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.4



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: VX013854.D

Acq: 09 Dec 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20191203DL

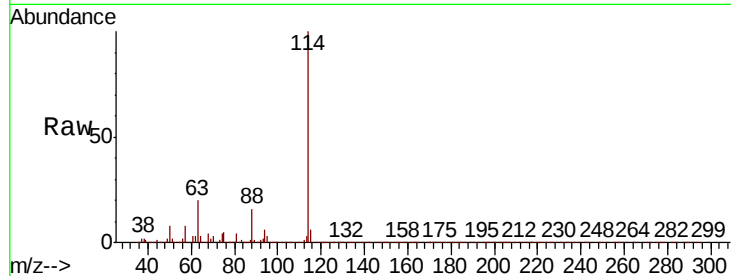
Tot Ion:114 Resp: 946395

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

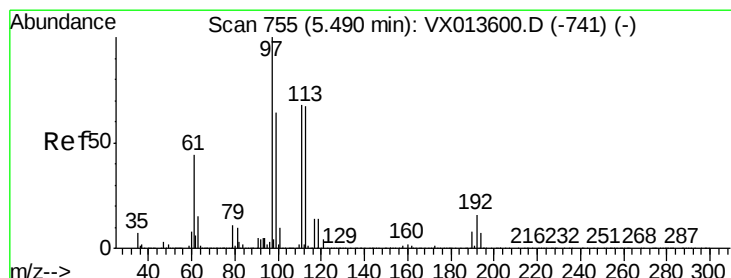
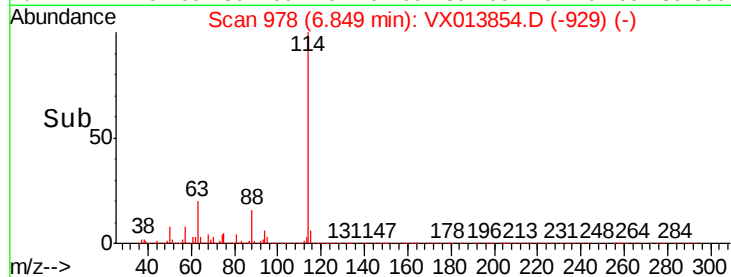
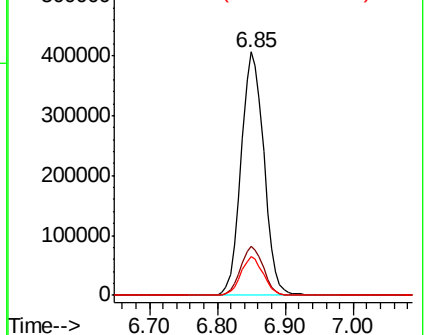
88 16.1 0.0 31.4



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: 48.075 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013854.D

Acq: 09 Dec 2019 16:10

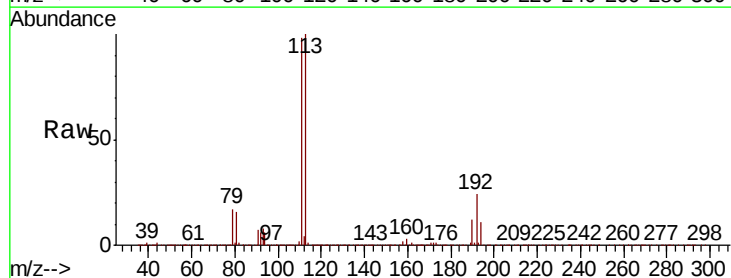
Tgt Ion:113 Resp: 281271

Ion Ratio Lower Upper

113 100

111 104.3 83.6 125.4

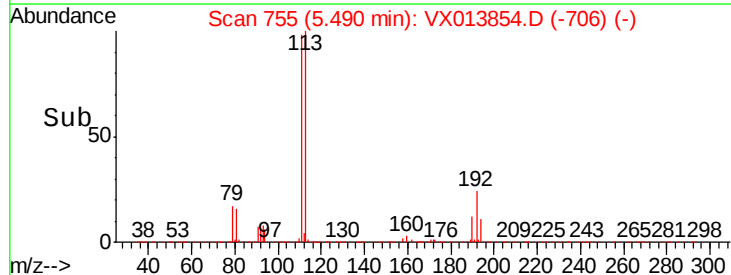
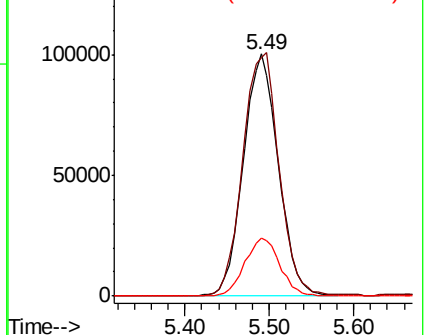
192 24.0 19.2 28.8

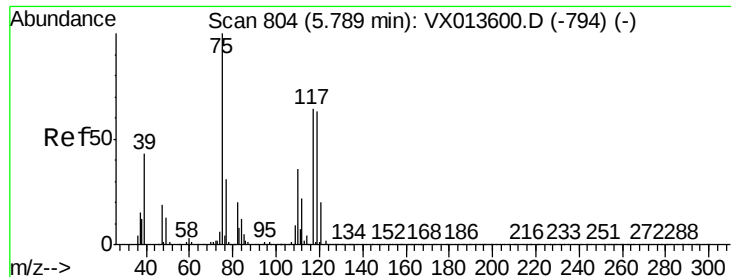


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

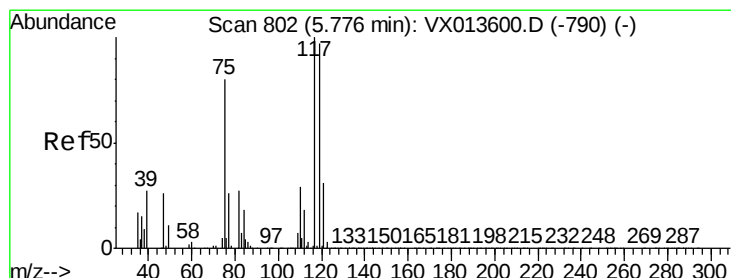
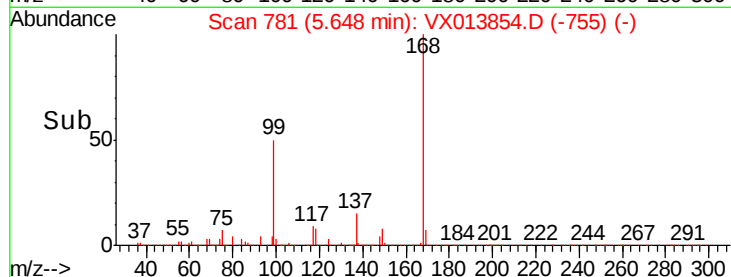
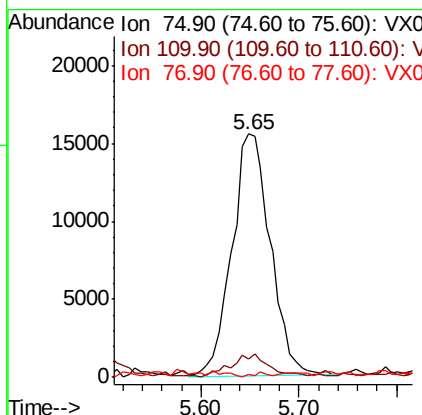
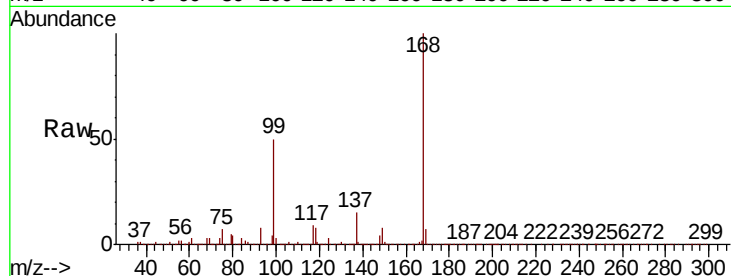




#36
 1,1-Dichloropropene
 Concen: 4.940 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013854.D
 Acq: 09 Dec 2019 16:10

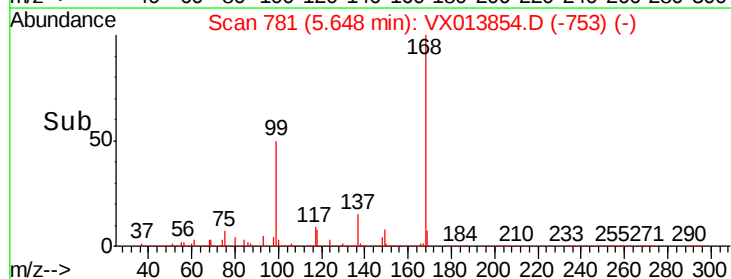
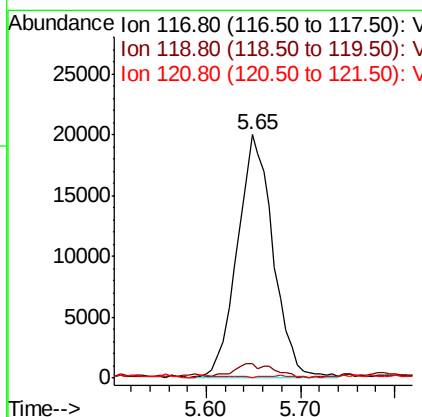
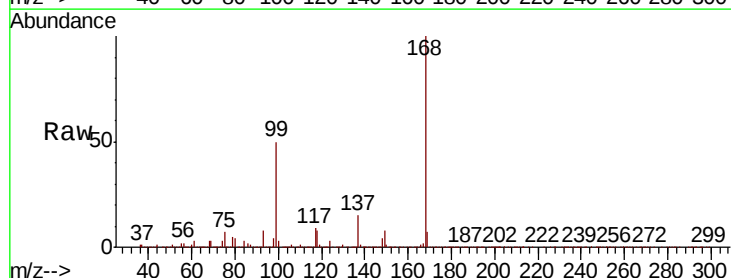
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20191203DL

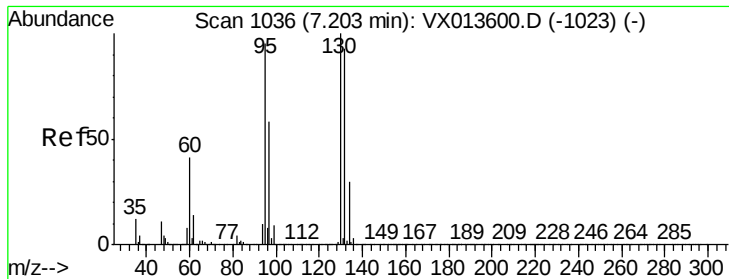
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.1#
77	0.9	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.739 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013854.D
 Acq: 09 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	77.5	116.3#
121	0.1	25.0	37.6#

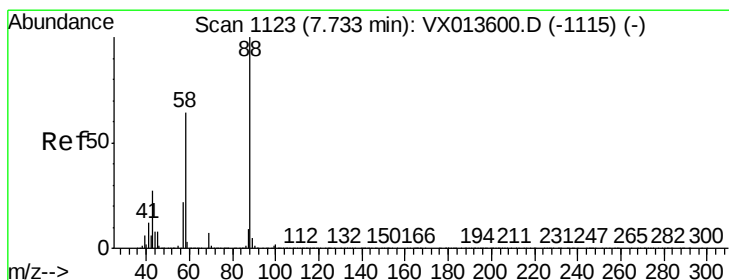
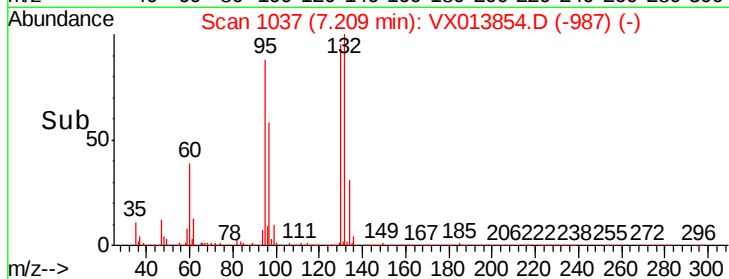
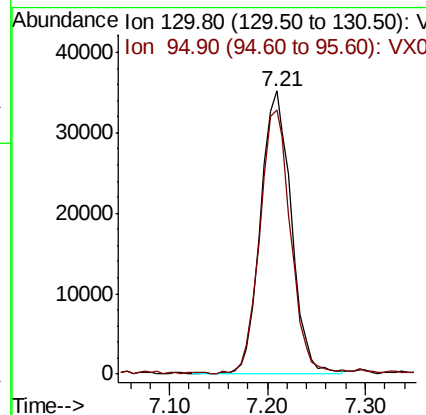
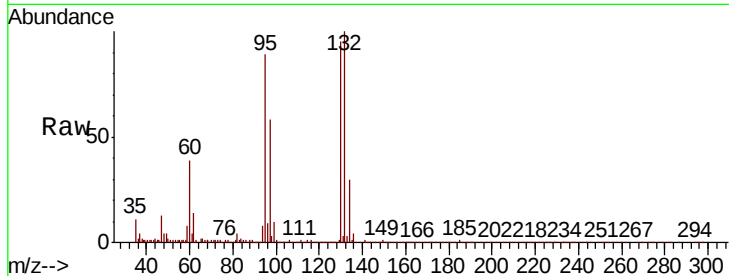




#44
 Trichloroethene
 Concen: 10.592 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013854.D
 Acq: 09 Dec 2019 16:10

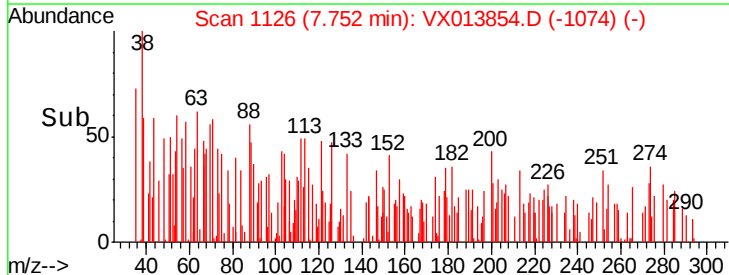
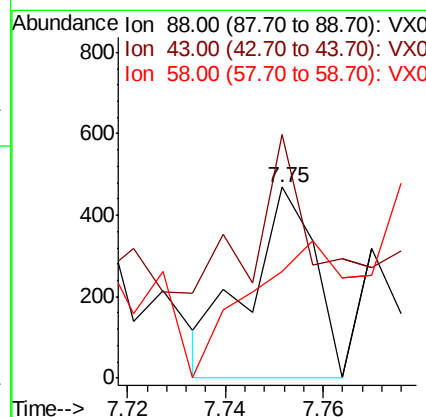
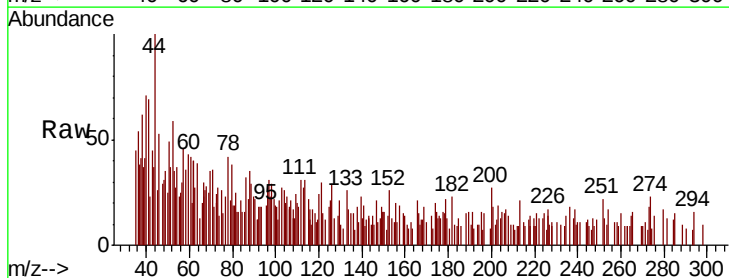
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20191203DL

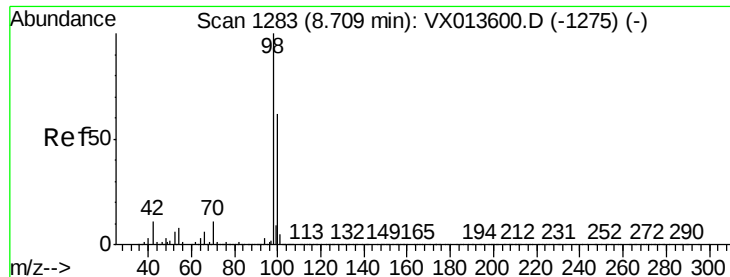
Tot Ion:130 Resp: 76063
 Ion Ratio Lower Upper
 130 100
 95 93.1 0.0 190.8



#49
 1,4-Dioxane
 Concen: 2.509 ug/l
 RT: 7.75 min Scan# 1126
 Delta R.T. 0.02 min
 Lab File: VX013854.D
 Acq: 09 Dec 2019 16:10

Tgt Ion: 88 Resp: 433
 Ion Ratio Lower Upper
 88 100
 43 113.2 25.8 38.6#
 58 103.5 54.6 82.0#





#50

Toluene-d8

Concen: 49.107 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013854.D

Acq: 09 Dec 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

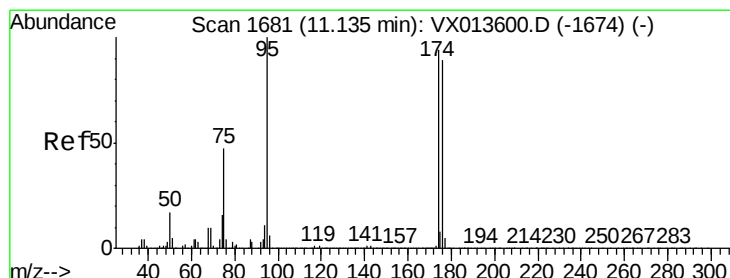
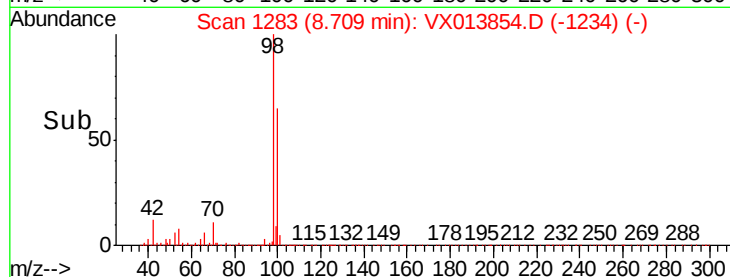
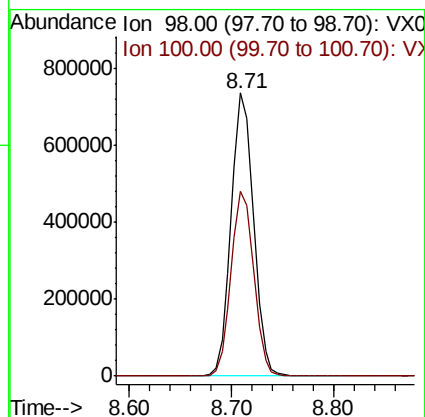
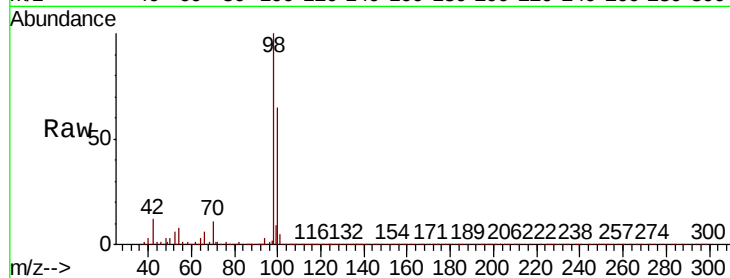
RE122D2-20191203DL

Tot Ion: 98 Resp: 1119404

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.933 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013854.D

Acq: 09 Dec 2019 16:10

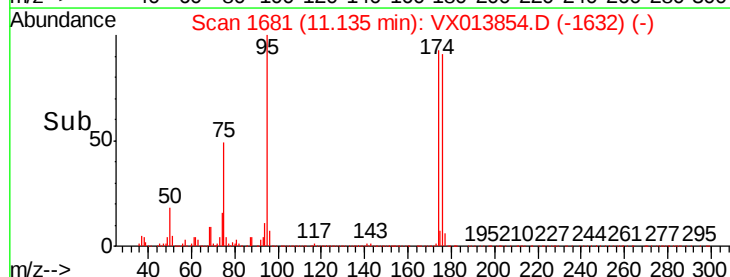
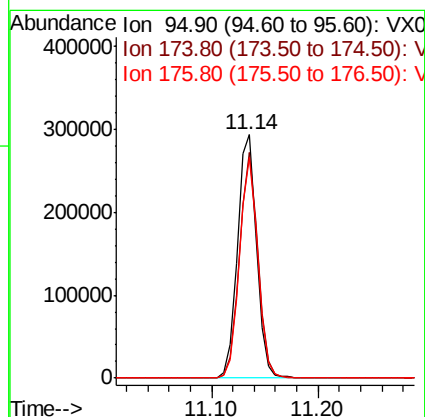
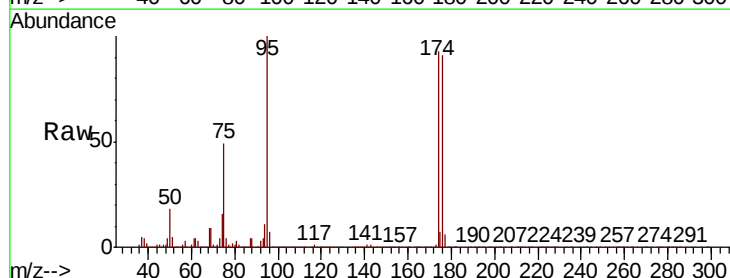
Tgt Ion: 95 Resp: 369348

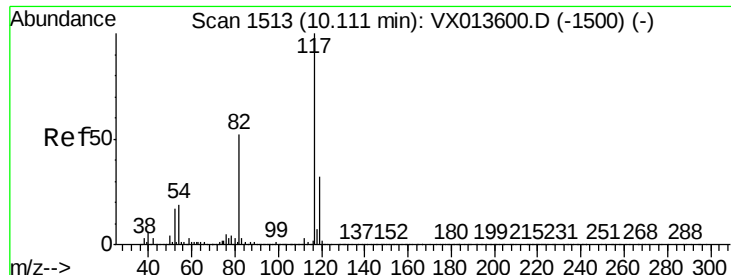
Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.0

176 87.8 0.0 173.6

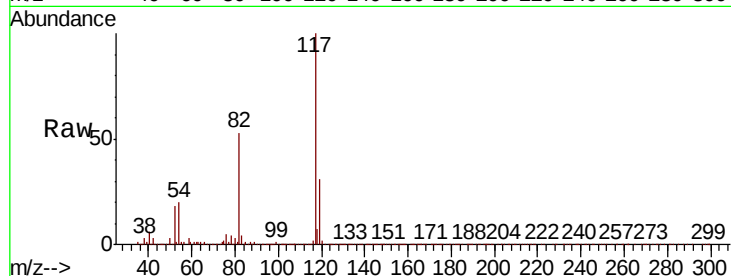




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013854.D
Acq: 09 Dec 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20191203DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.8
119	31.3	25.8	38.8

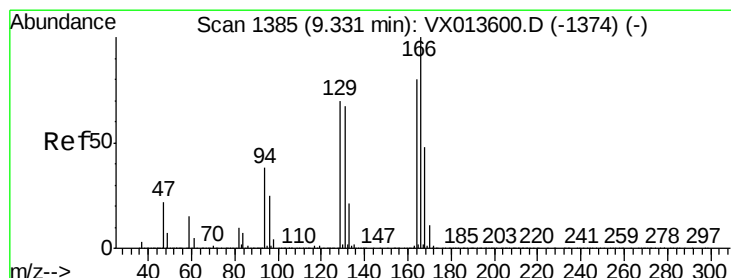
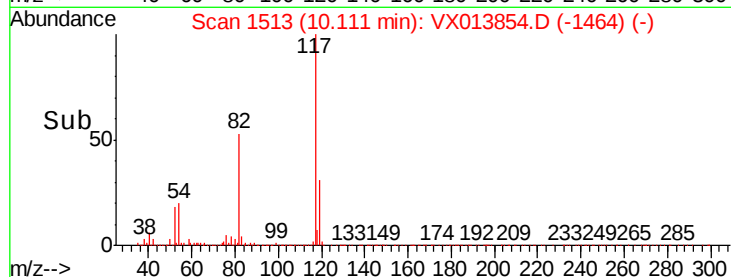
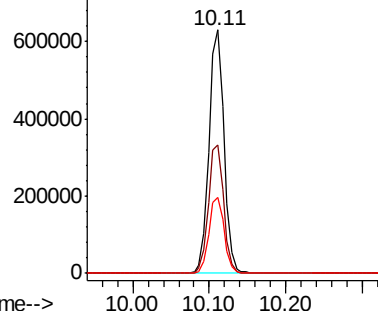


Abundance

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



#64
Tetrachloroethene
Concen: 1.710 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013854.D
Acq: 09 Dec 2019 16:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.2	99.7	149.5
129	86.5	70.1	105.1
131	80.4	66.9	100.3

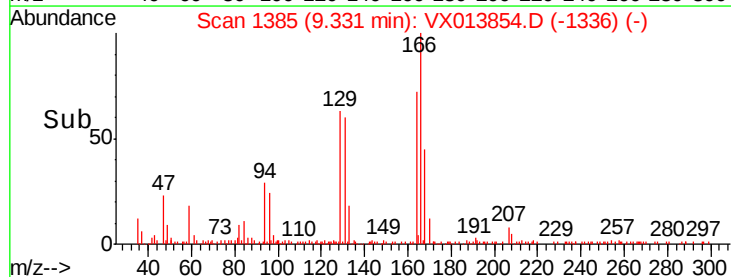
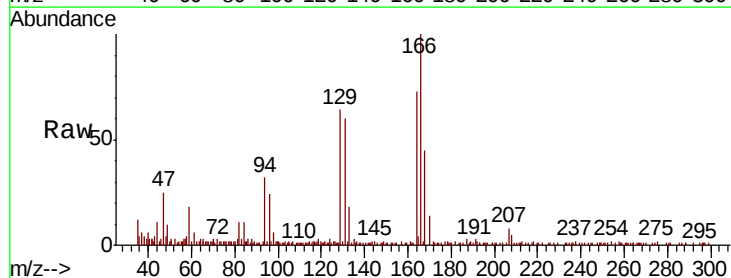
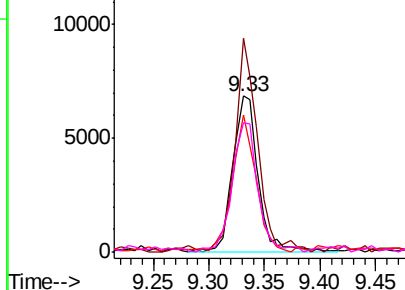
Abundance

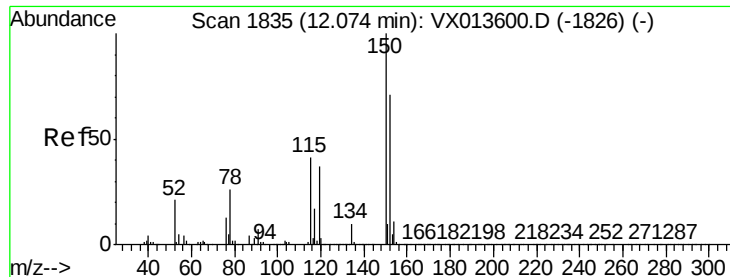
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX013854.D

Acq: 09 Dec 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20191203DL

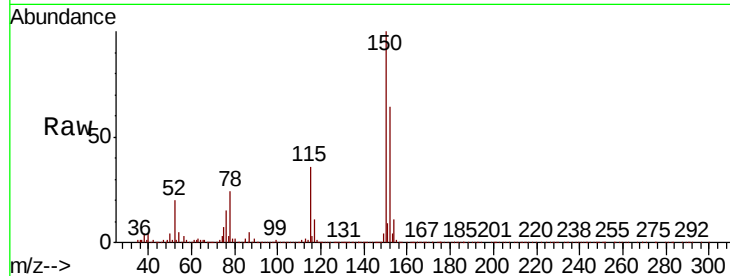
Tot Ion:152 Resp: 362986

Ion Ratio Lower Upper

152 100

115 56.0 38.4 115.1

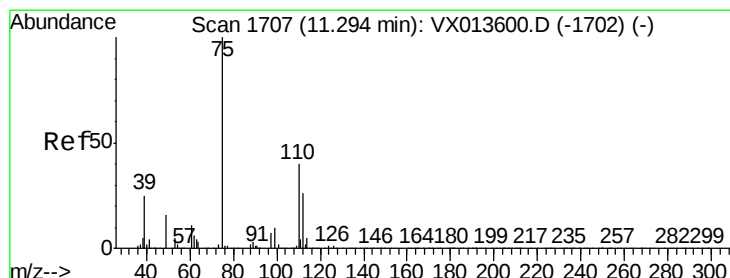
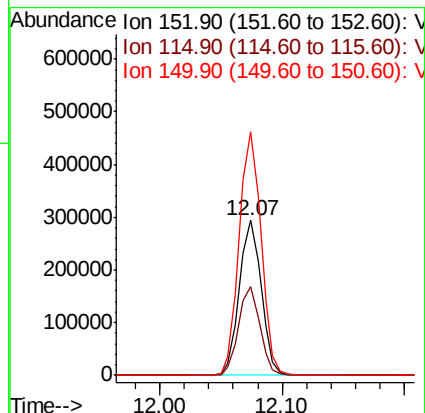
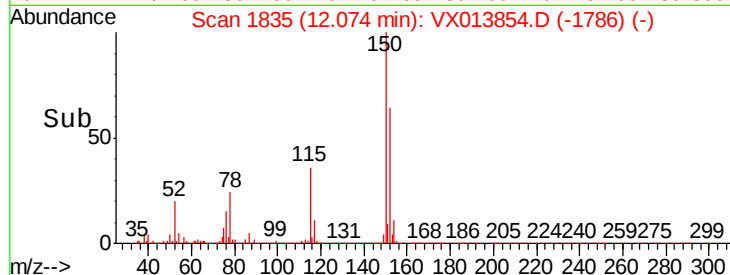
150 156.9 0.0 346.8



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: 22.577 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013854.D

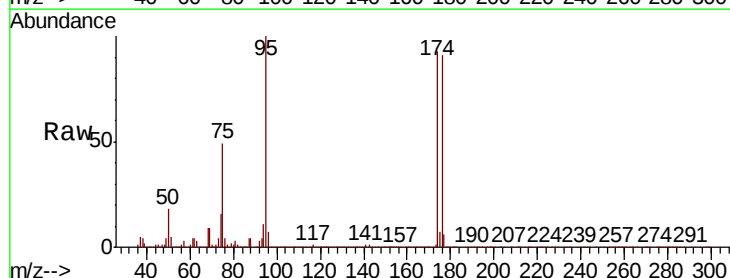
Acq: 09 Dec 2019 16:10

Tgt Ion: 75 Resp: 184319

Ion Ratio Lower Upper

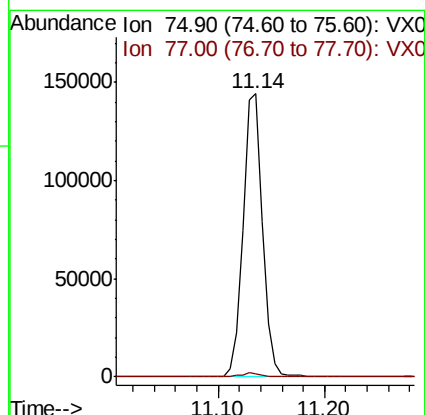
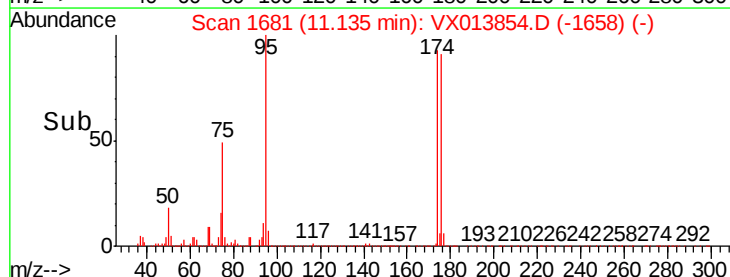
75 100

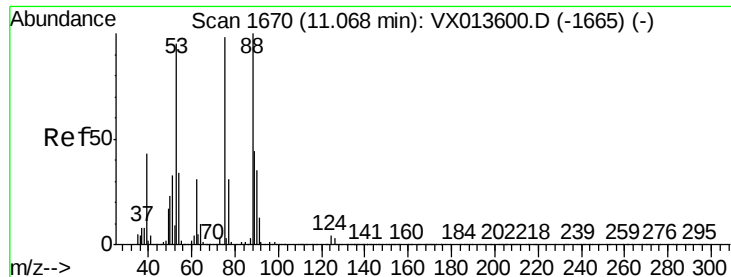
77 1.5 19.1 57.5#



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: 61.765 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013854.D

Acq: 09 Dec 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20191203DL

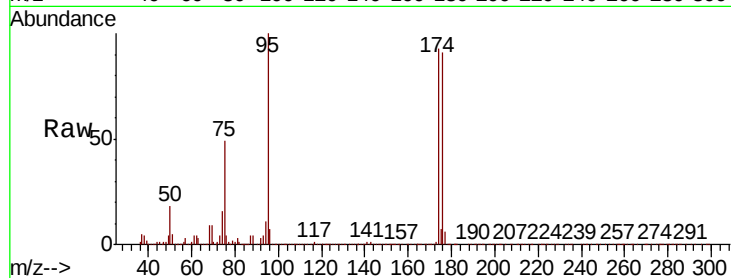
Tot Ion: 75 Resp: 184319

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.0 35.4 53.2#



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

