

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013807.D
 Acq On : 06 Dec 2019 18:12
 Operator : JC/SP
 Sample : K6184-13DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20191203DL

Quant Time: Dec 07 02:39:46 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	646651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	987193	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	887220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	390206	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	357762	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
35) Dibromofluoromethane	5.49	113	294697	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	8.71	98	1160778	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.14	95	389701	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	

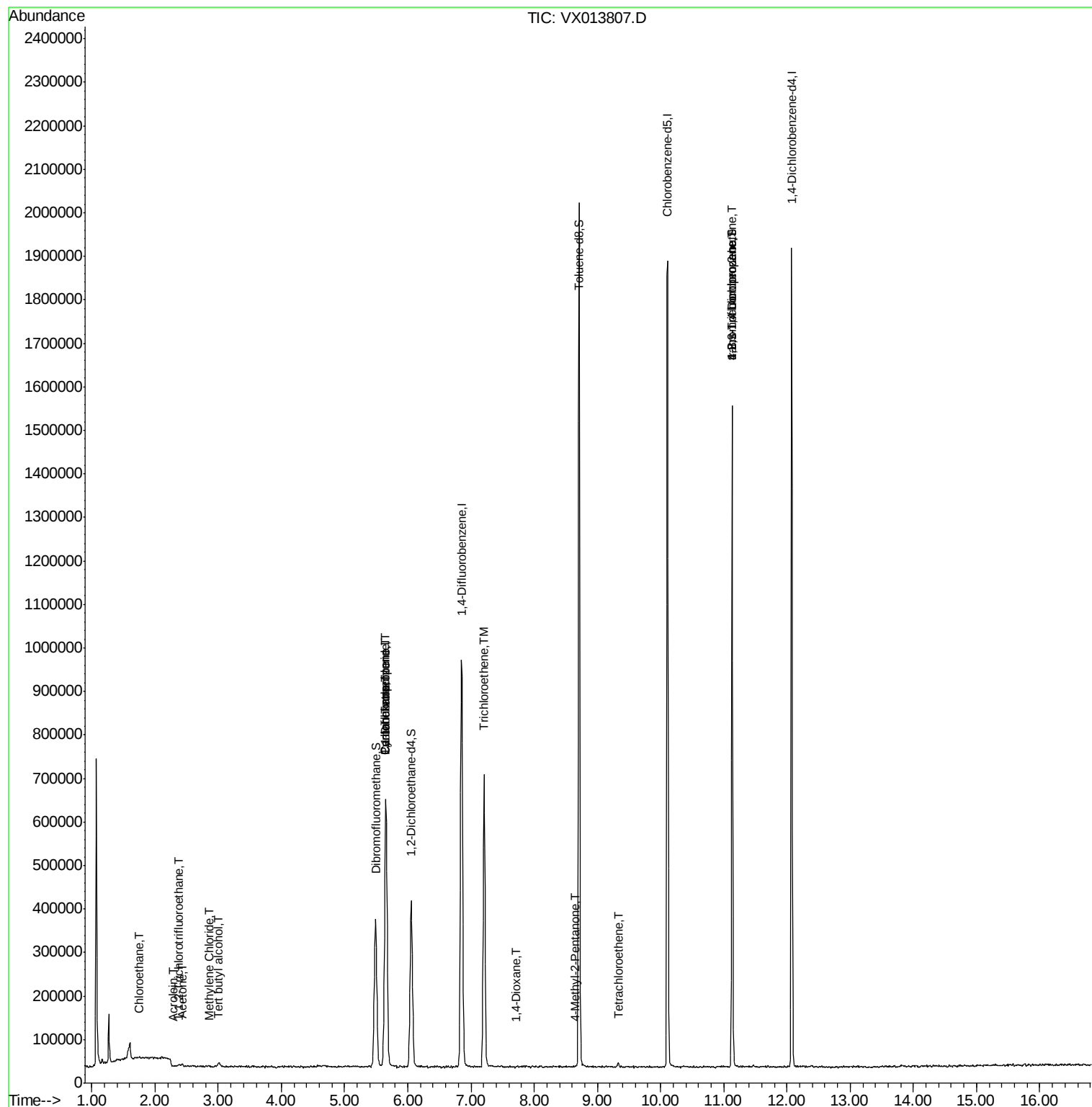
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	1794	0.347	ug/l #	85
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1866	0.303	ug/l	89
11) Tert butyl alcohol	3.01	59	7670	4.140	ug/l #	82
13) Acrolein	2.28	56	167	6.135	ug/l #	75
16) Acetone	2.44	43	8269	2.231	ug/l	95
20) Methylene Chloride	2.85	84	3141	0.441	ug/l #	76
31) Cyclohexane	5.65	56	11329	1.022	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	44096	4.921	ug/l #	51
38) Carbon Tetrachloride	5.65	117	56816	6.876	ug/l #	15
44) Trichloroethene	7.21	130	270189	36.071	ug/l	99
49) 1,4-Dioxane	7.71	88	89	0.494	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	2489	0.239	ug/l #	56
64) Tetrachloroethene	9.33	164	1780	0.269	ug/l #	89
76) 1,2,3-Trichloropropane	11.14	75	190400	21.694	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	190400	59.352	ug/l #	11

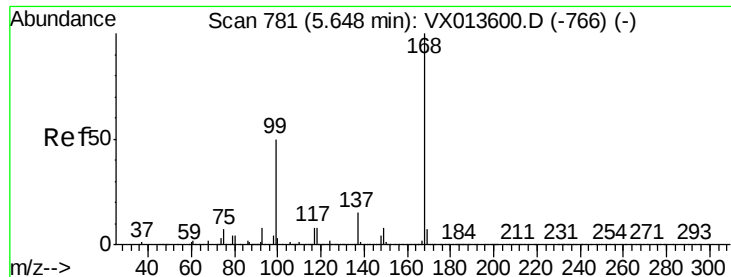
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 26 15:53:00 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013807.D

Acq: 06 Dec 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

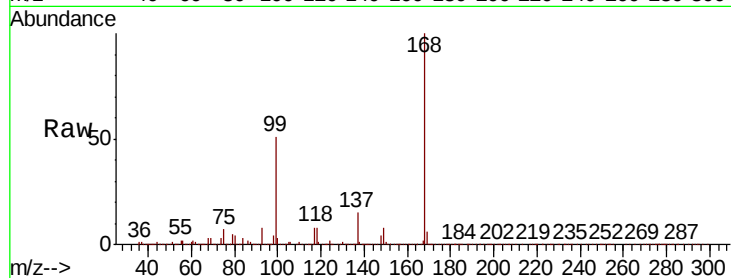
RE122D1-20191203DL

Tot Ion:168 Resp: 646651

Ion Ratio Lower Upper

168 100

99 51.1 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

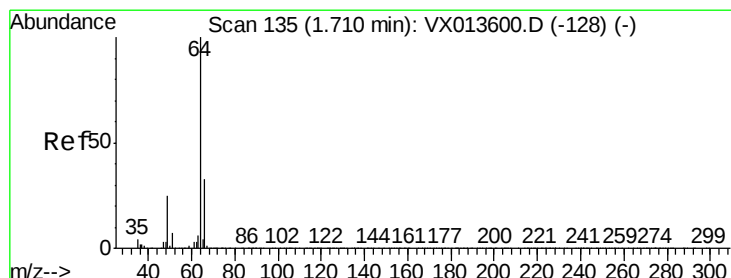
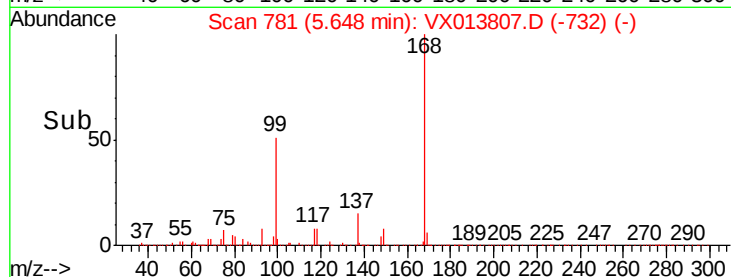
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.347 ug/l

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX013807.D

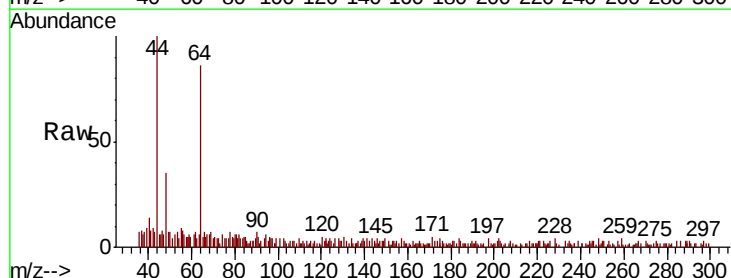
Acq: 06 Dec 2019 18:12

Tgt Ion: 64 Resp: 1794

Ion Ratio Lower Upper

64 100

66 25.0 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

5000

4000

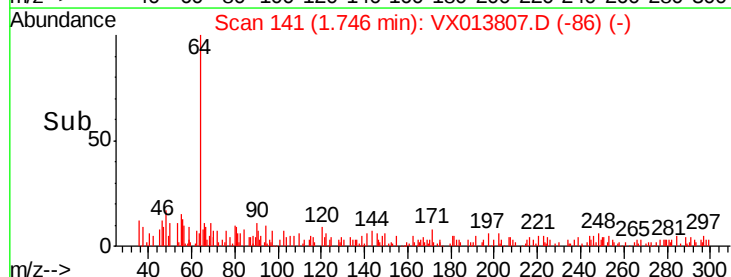
3000

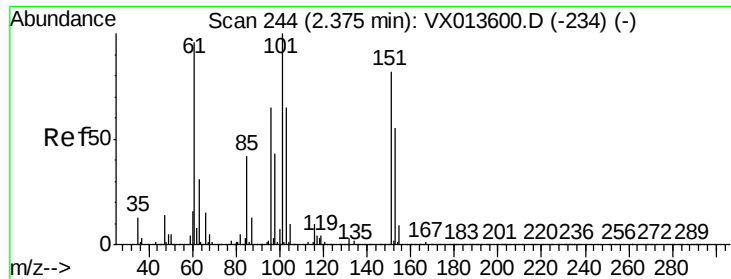
2000

1000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.303 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013807.D

Acq: 06 Dec 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20191203DL

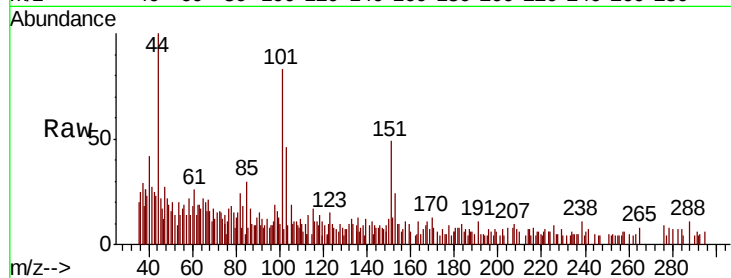
Tot Ion:101 Resp: 1866

Ion Ratio Lower Upper

101 100

85 48.2 33.9 50.9

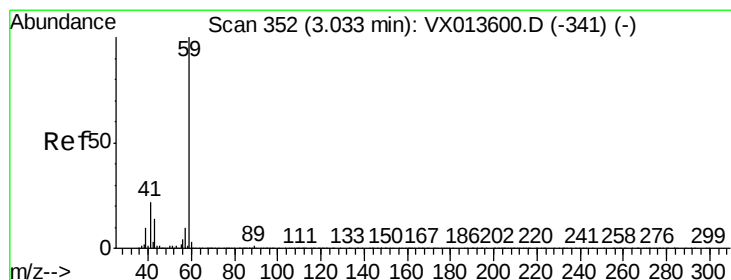
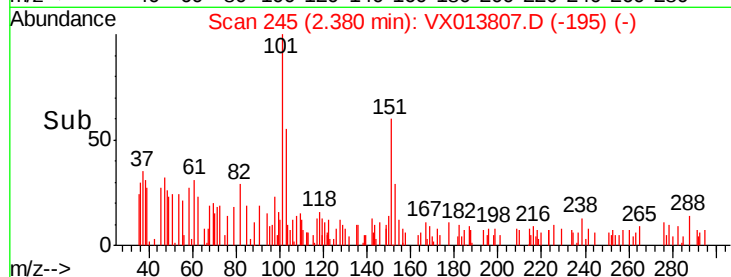
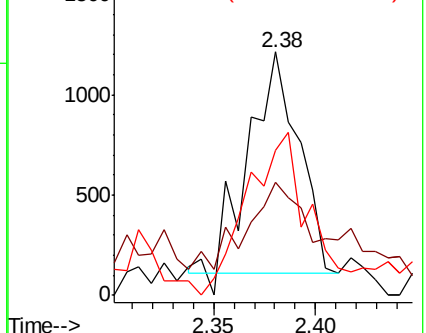
151 91.3 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 4.140 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013807.D

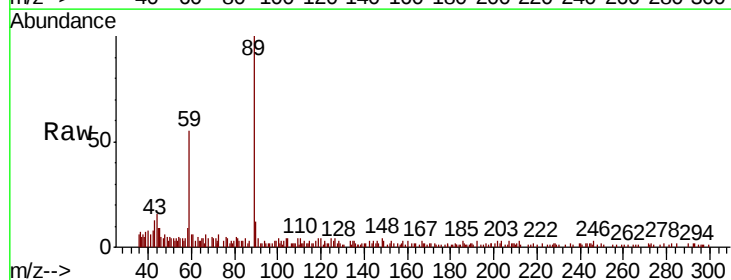
Acq: 06 Dec 2019 18:12

Tgt Ion: 59 Resp: 7670

Ion Ratio Lower Upper

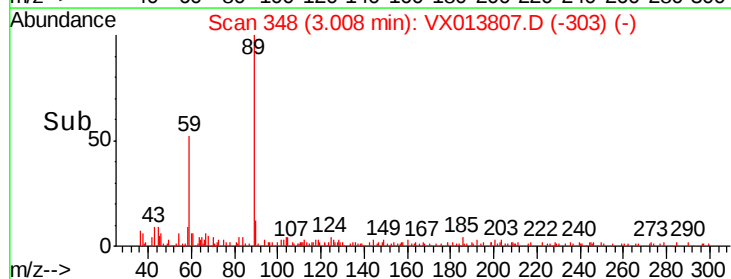
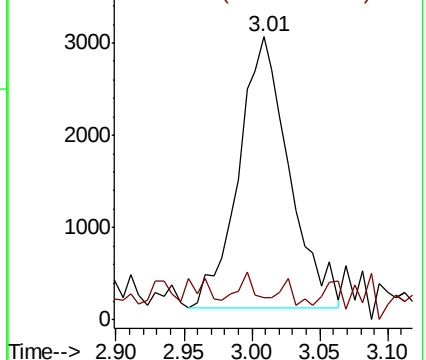
59 100

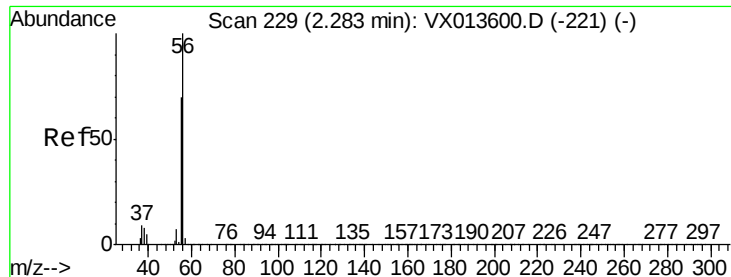
57 3.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 6.135 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013807.D

Acq: 06 Dec 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

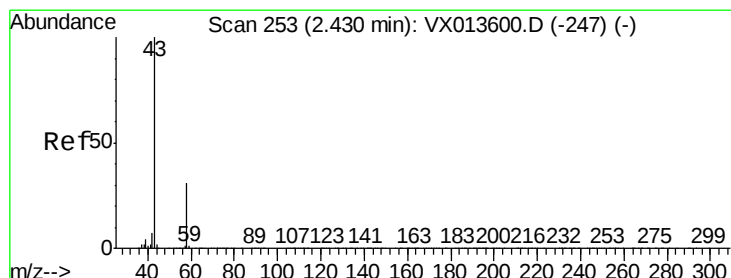
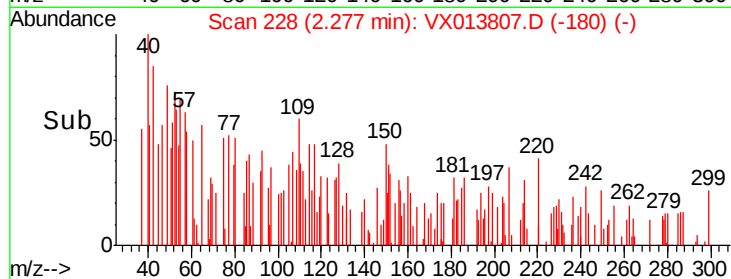
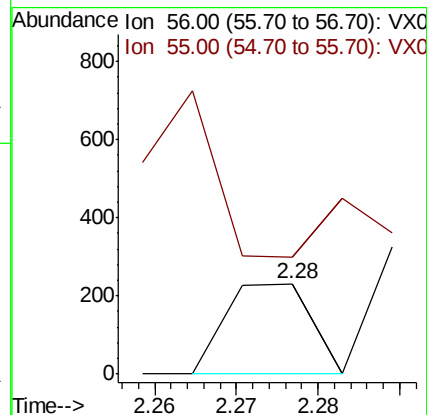
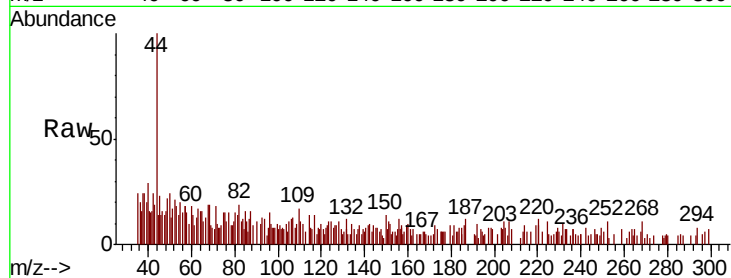
RE122D1-20191203DL

Tot Ion: 56 Resp: 167

Ion Ratio Lower Upper

56 100

55 91.0 56.2 84.4#



#16

Acetone

Concen: 2.231 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013807.D

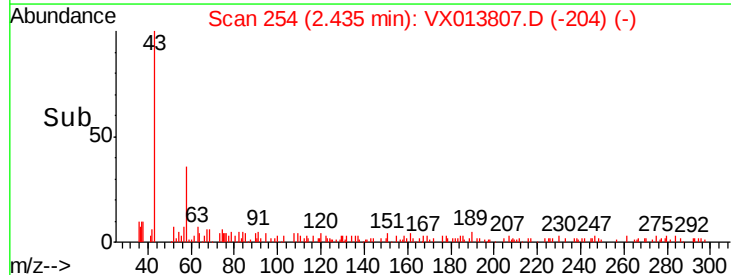
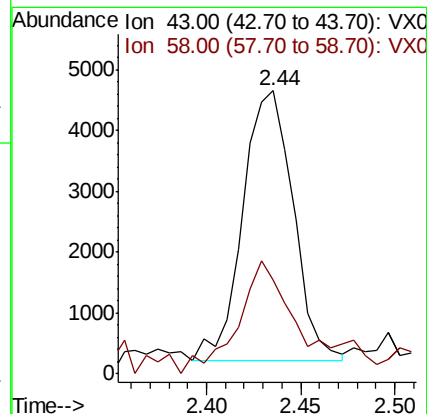
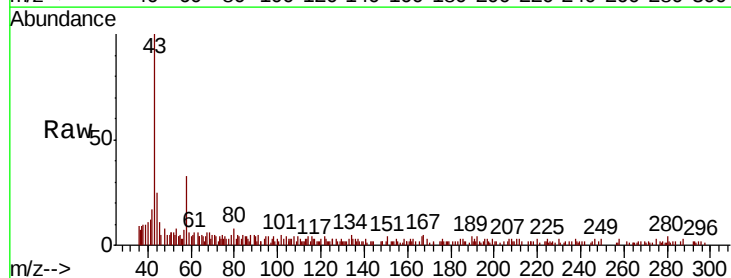
Acq: 06 Dec 2019 18:12

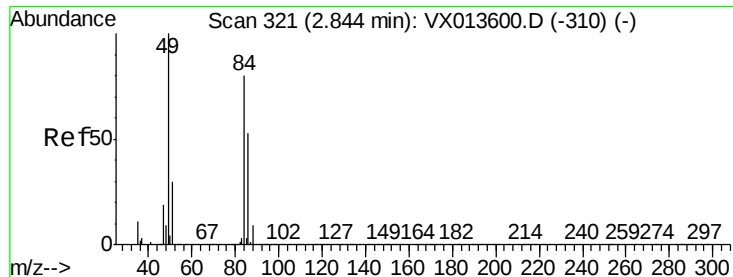
Tgt Ion: 43 Resp: 8269

Ion Ratio Lower Upper

43 100

58 27.9 24.6 36.8

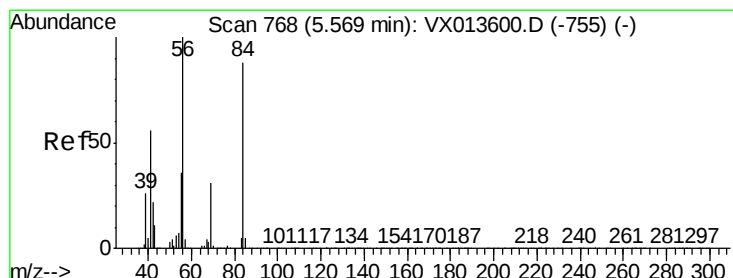
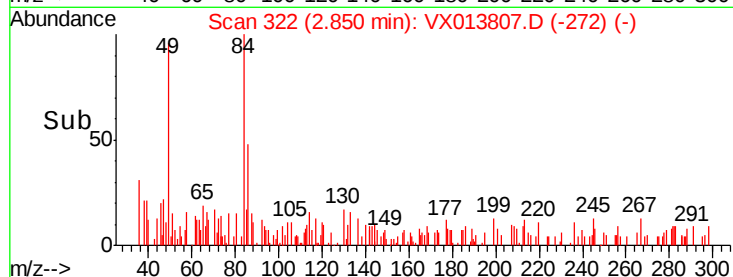
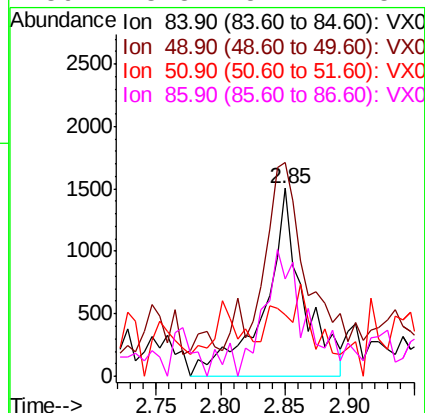
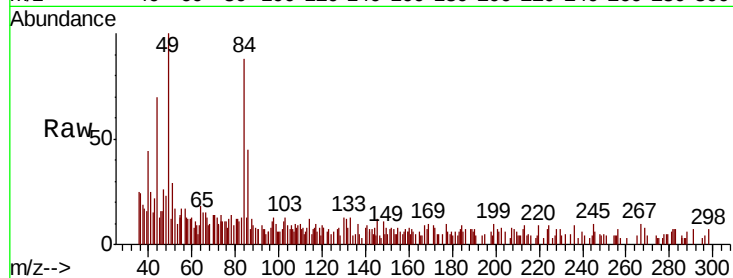




#20
Methvlene Chloride
Concen: 0.441 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013807.D
Acq: 06 Dec 2019 18:12

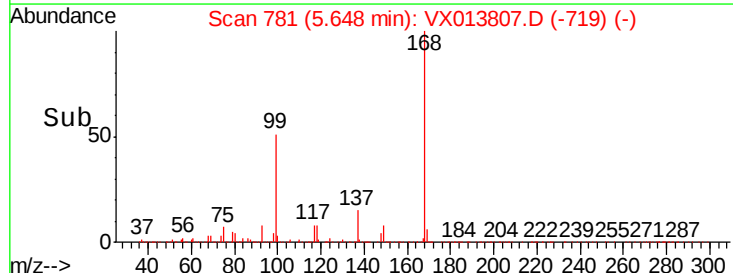
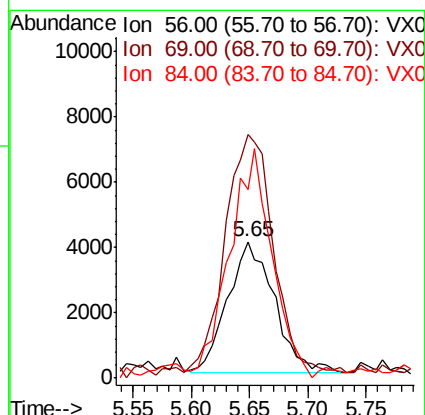
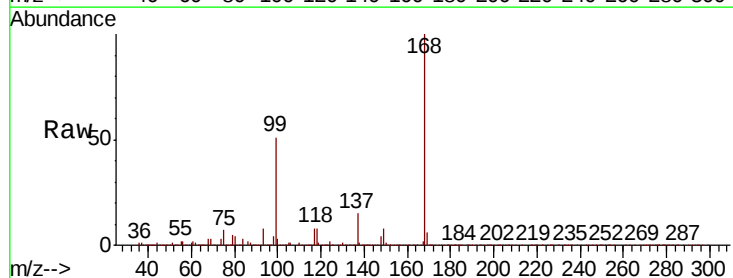
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20191203DL

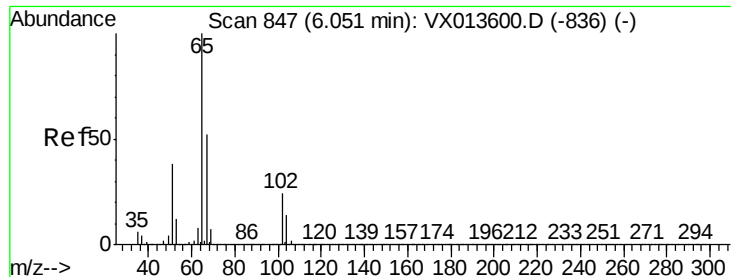
Tot Ion: 84 Resp: 3141
Ion Ratio Lower Upper
84 100
49 100.0 99.7 149.5
51 21.2 29.9 44.9#
86 43.8 52.2 78.4#



#31
Cyclohexane
Concen: 1.022 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX013807.D
Acq: 06 Dec 2019 18:12

Tgt Ion: 56 Resp: 11329
Ion Ratio Lower Upper
56 100
69 176.9 24.6 36.8#
84 138.1 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 47.663 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013807.D

Acq: 06 Dec 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

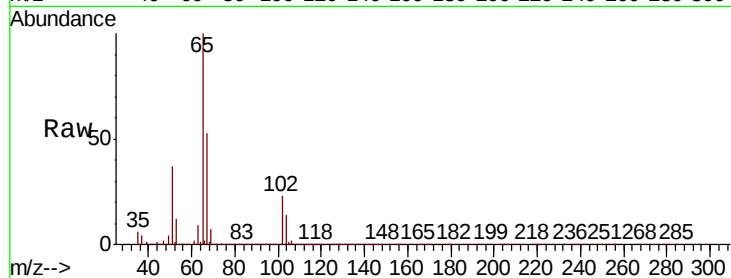
RE122D1-20191203DL

Tot Ion: 65 Resp: 357762

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

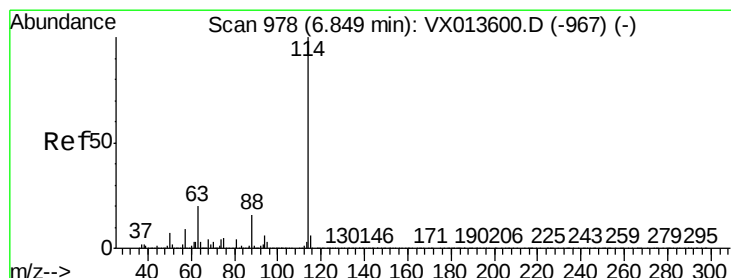
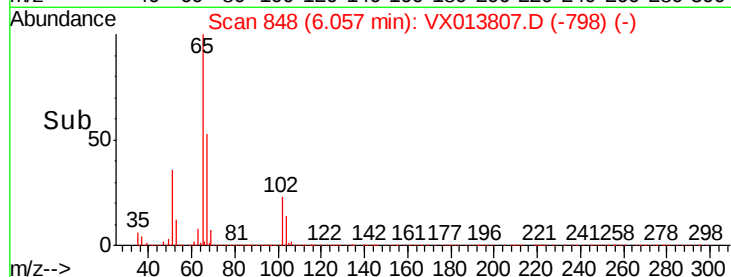
150000

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: VX013807.D

Acq: 06 Dec 2019 18:12

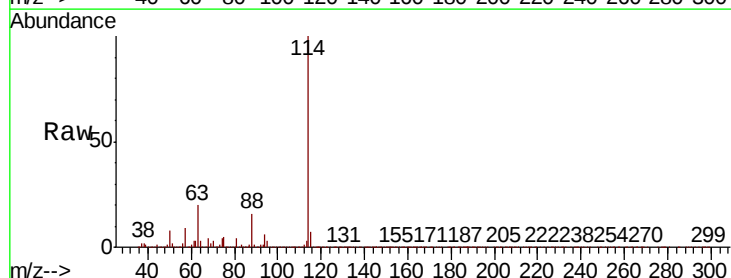
Tgt Ion: 114 Resp: 987193

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 16.0 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

6.85

500000

400000

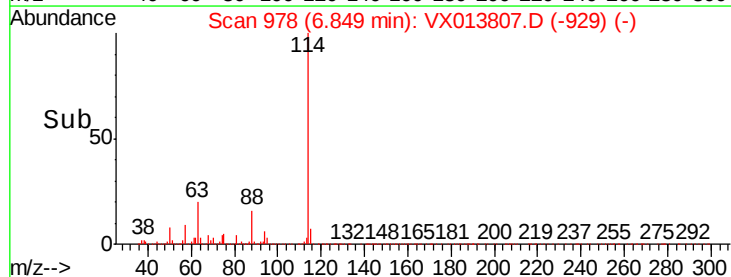
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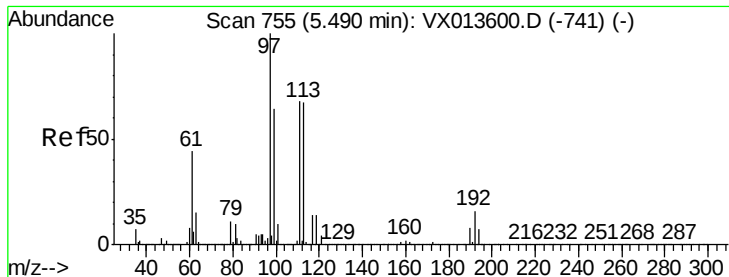
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.288 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013807.D

Acq: 06 Dec 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20191203DL

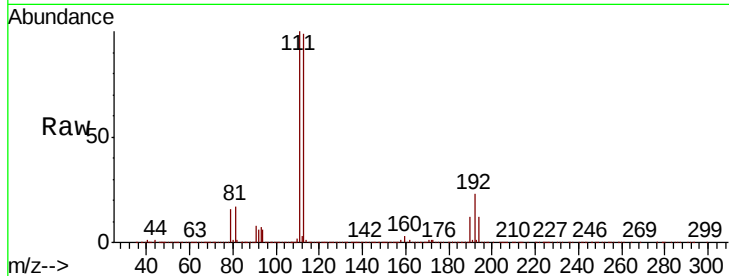
Tot Ion:113 Resp: 294697

Ion Ratio Lower Upper

113 100

111 102.3 83.6 125.4

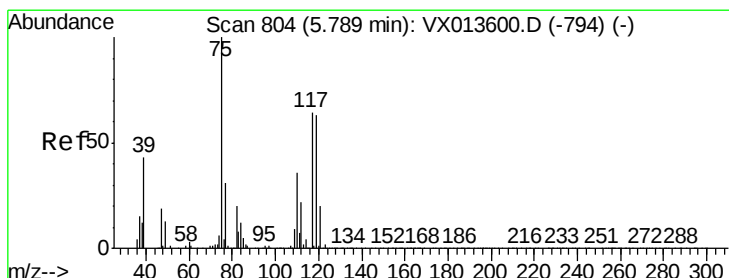
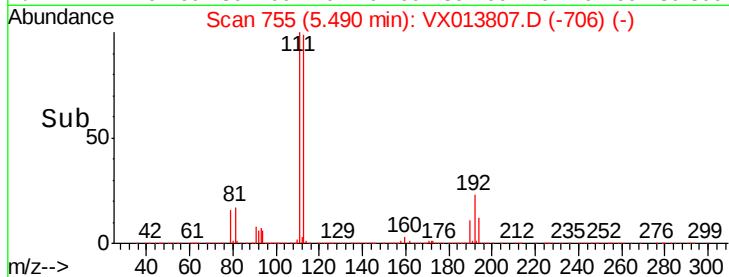
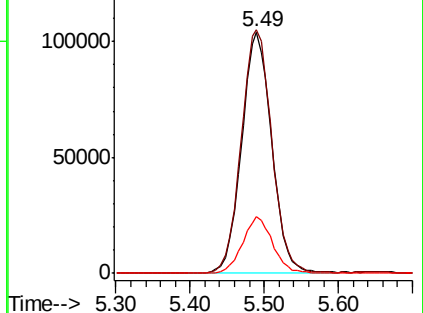
192 23.1 19.2 28.8



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: 4.921 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013807.D

Acq: 06 Dec 2019 18:12

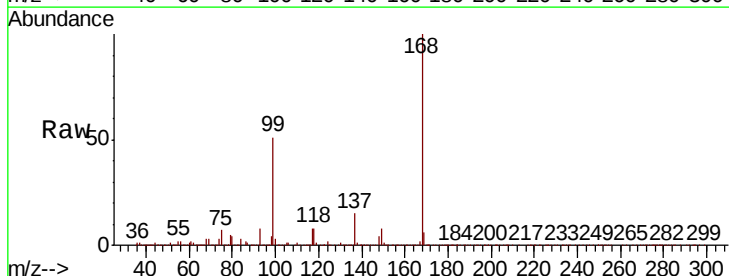
Tgt Ion: 75 Resp: 44096

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.1#

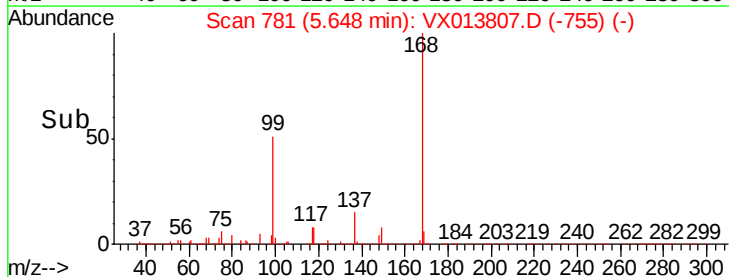
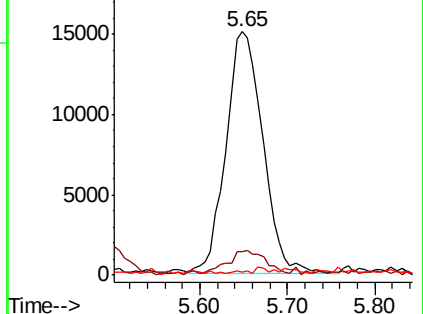
77 0.4 24.5 36.7#

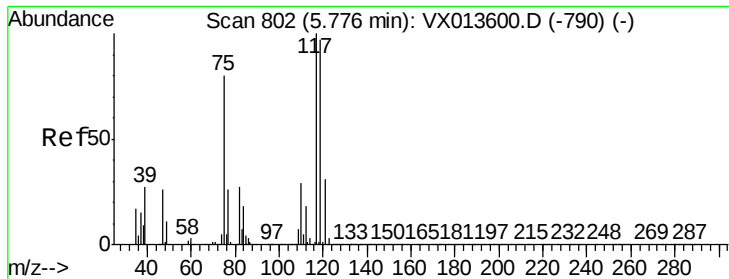


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.876 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013807.D

Acq: 06 Dec 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20191203DL

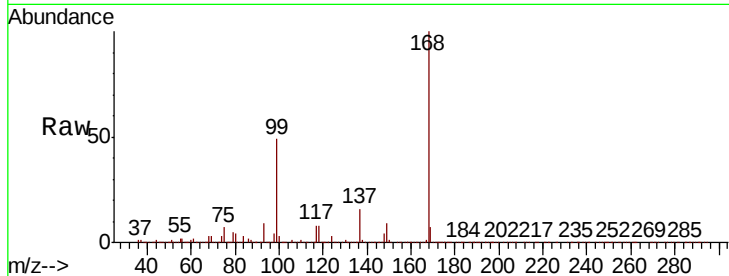
Tot Ion:117 Resp: 56816

Ion Ratio Lower Upper

117 100

119 4.7 77.5 116.3#

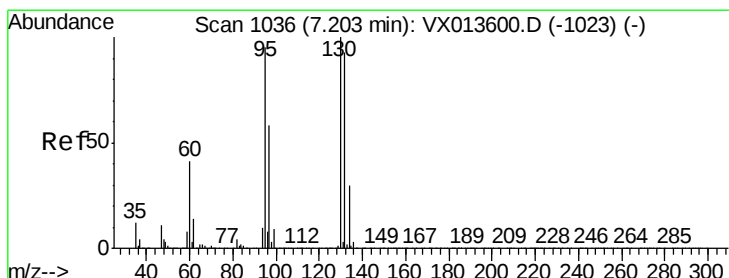
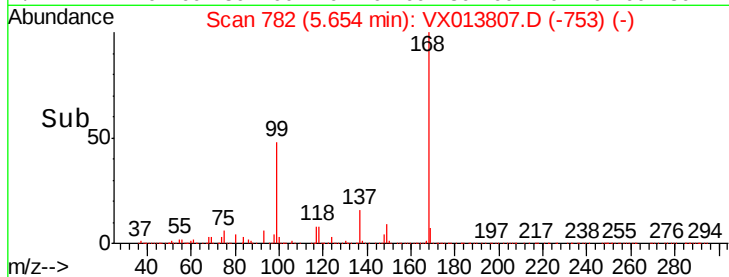
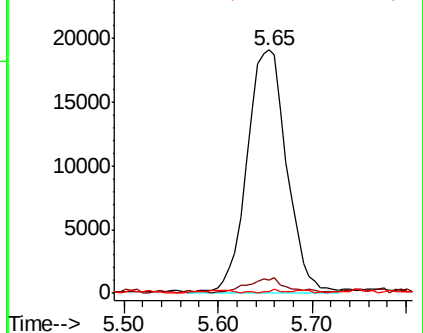
121 0.0 25.0 37.6#



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



#44

Trichloroethene

Concen: 36.071 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013807.D

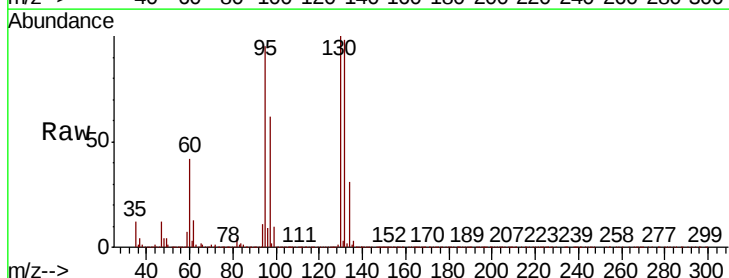
Acq: 06 Dec 2019 18:12

Tgt Ion:130 Resp: 270189

Ion Ratio Lower Upper

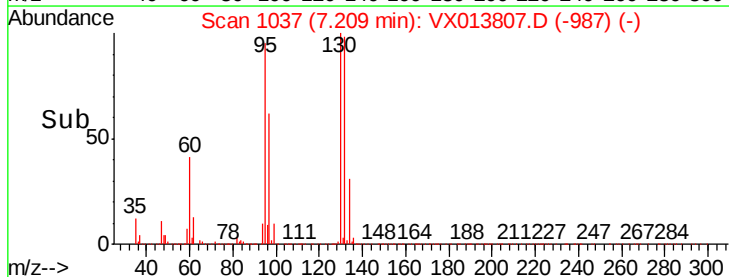
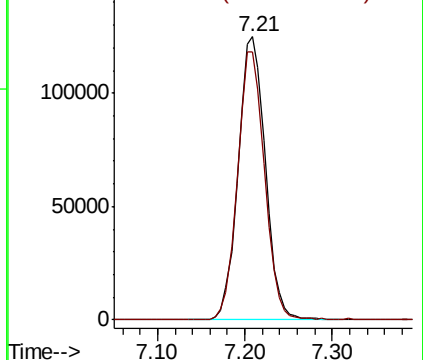
130 100

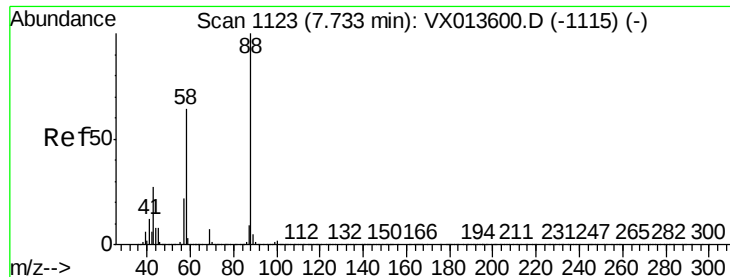
95 94.6 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.494 ug/l

RT: 7.71 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX013807.D

Acq: 06 Dec 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20191203DL

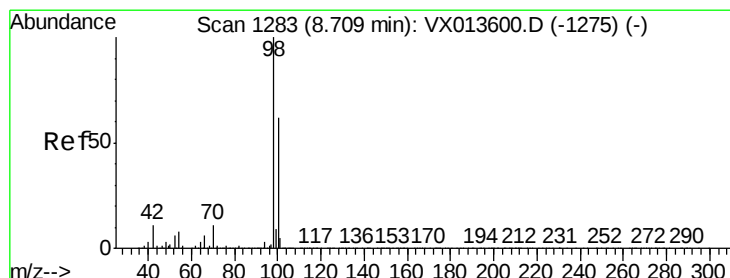
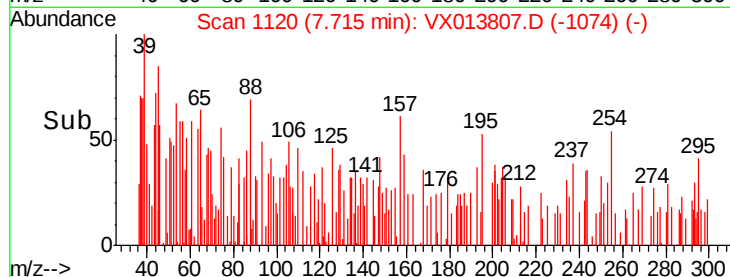
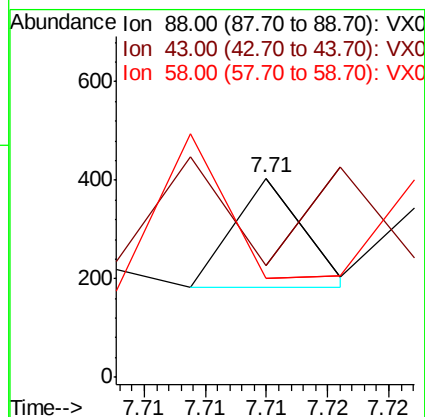
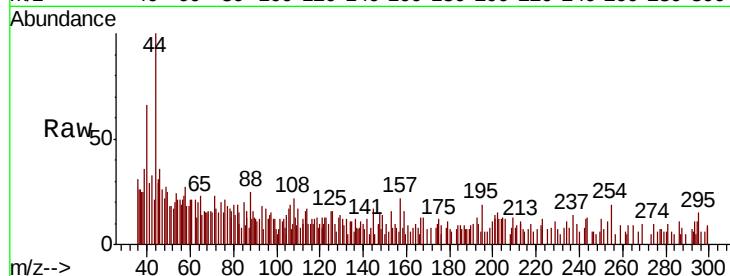
Tot Ion: 88 Resp: 89

Ion Ratio Lower Upper

88 100

43 148.3 25.8 38.6#

58 0.0 54.6 82.0#



#50

Toluene-d8

Concen: 48.818 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013807.D

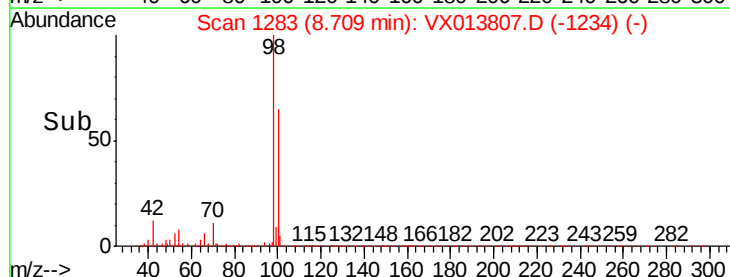
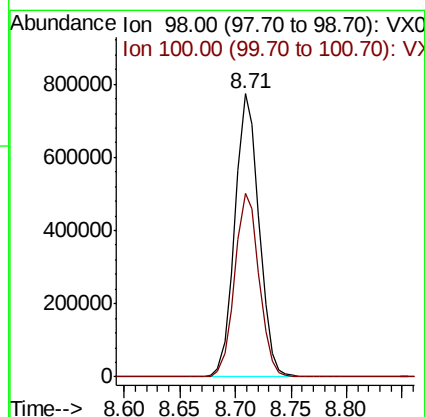
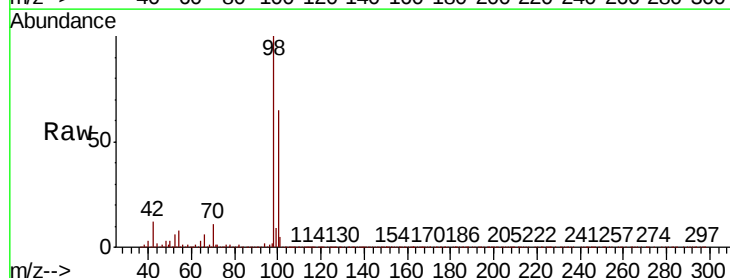
Acq: 06 Dec 2019 18:12

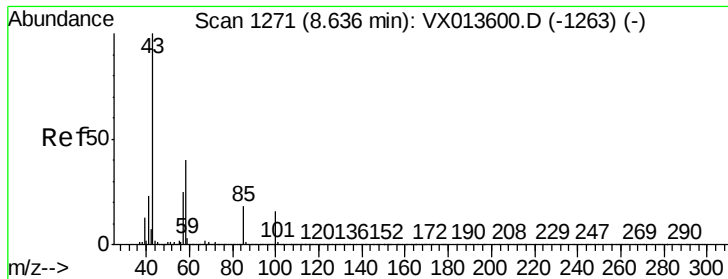
Tgt Ion: 98 Resp: 1160778

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.239 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013807.D

Acq: 06 Dec 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

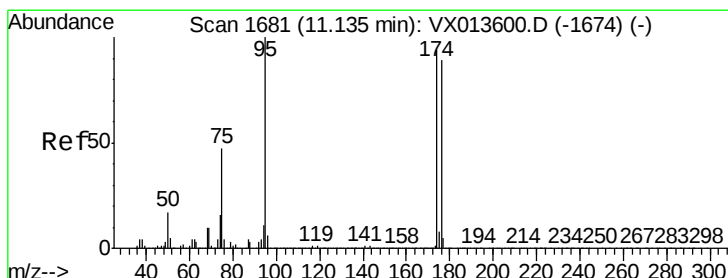
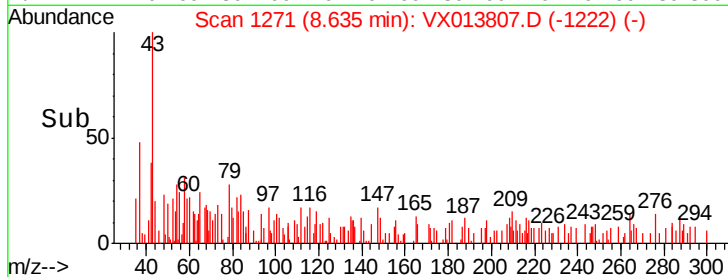
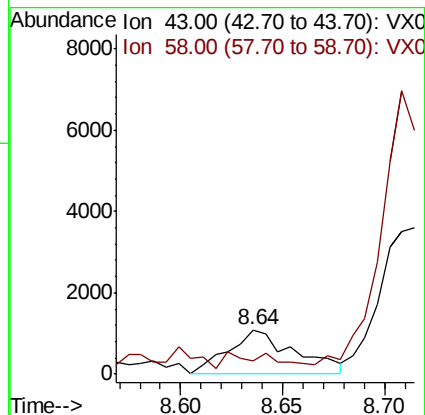
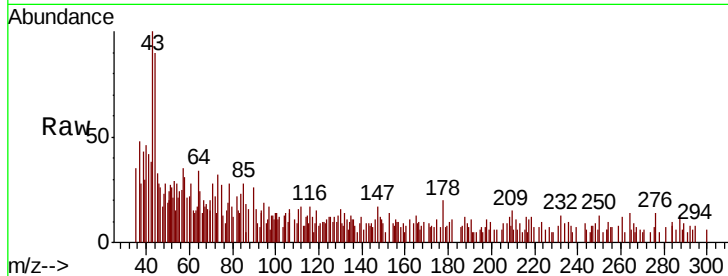
RE122D1-20191203DL

Tot Ion: 43 Resp: 2489

Ion Ratio Lower Upper

43 100

58 12.7 32.1 48.1#



#62

4-Bromofluorobenzene

Concen: 45.450 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013807.D

Acq: 06 Dec 2019 18:12

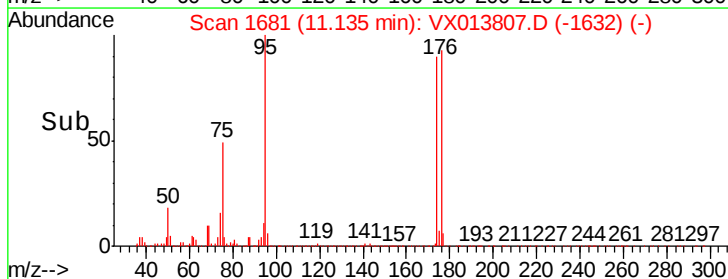
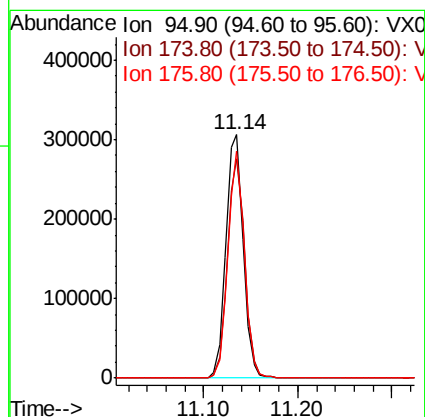
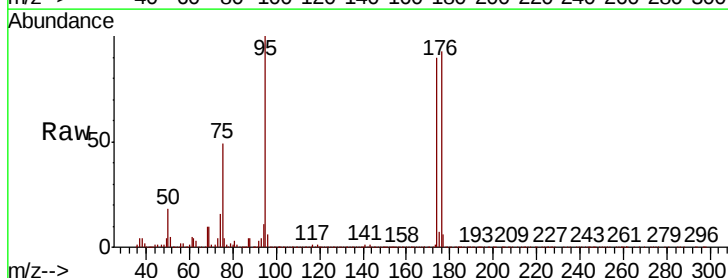
Tgt Ion: 95 Resp: 389701

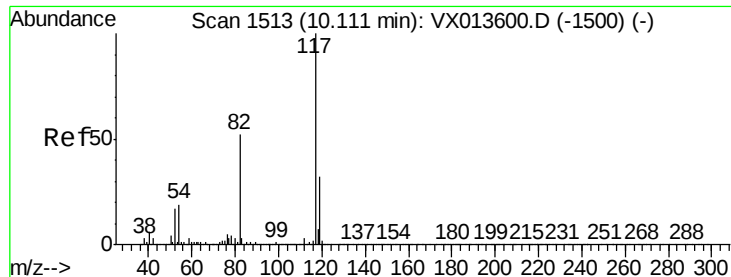
Ion Ratio Lower Upper

95 100

174 89.7 0.0 180.0

176 88.7 0.0 173.6

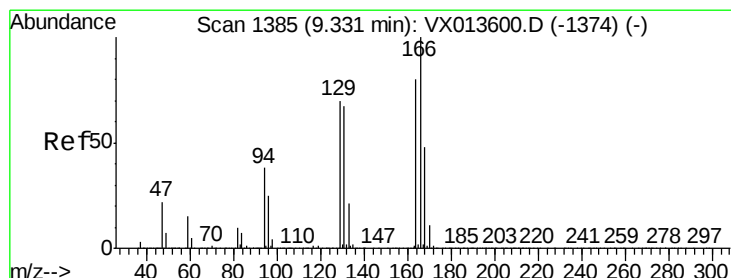
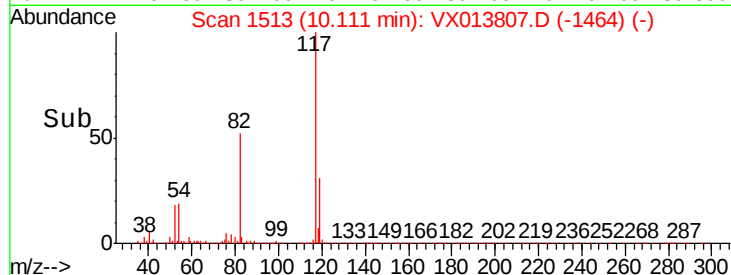
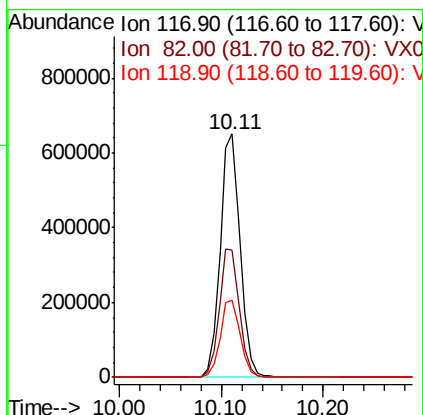
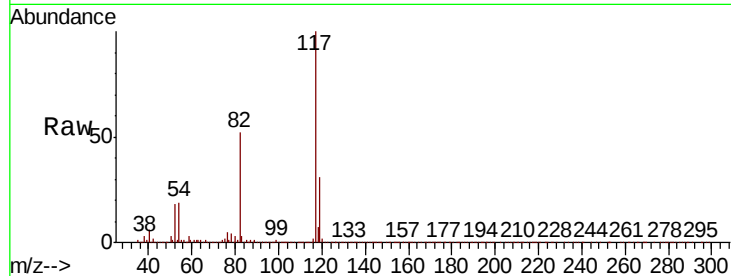




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013807.D
Acq: 06 Dec 2019 18:12

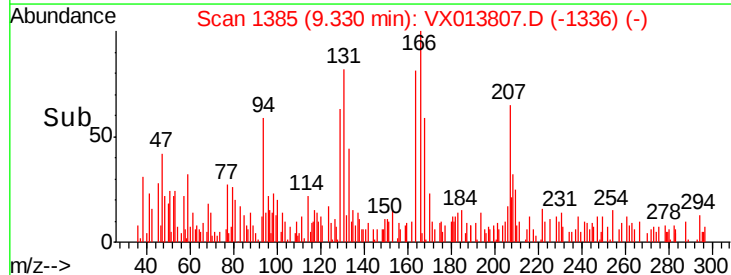
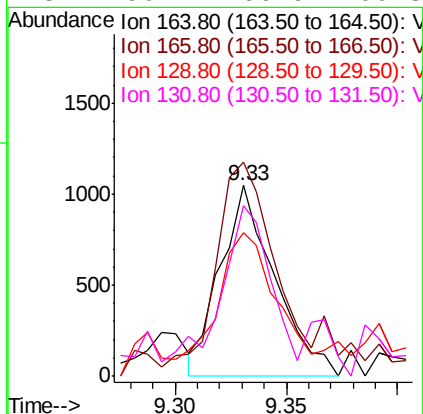
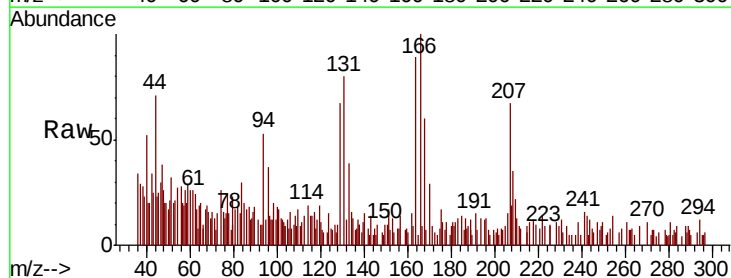
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20191203DL

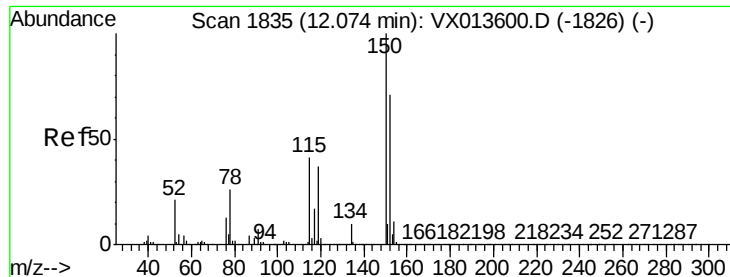
Tot Ion:117 Resp: 887220
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 31.5 25.8 38.8



#64
Tetrachloroethene
Concen: 0.269 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013807.D
Acq: 06 Dec 2019 18:12

Tgt Ion:164 Resp: 1780
Ion Ratio Lower Upper
164 100
166 114.8 99.7 149.5
129 70.0 70.1 105.1#
131 90.1 66.9 100.3



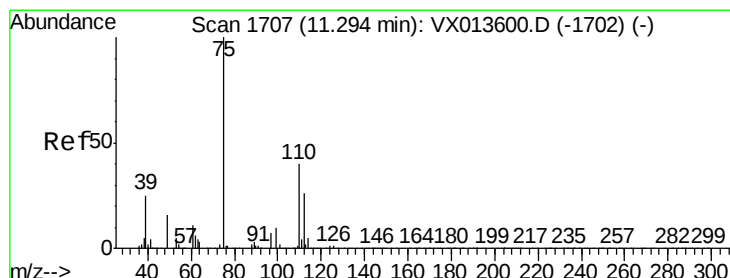
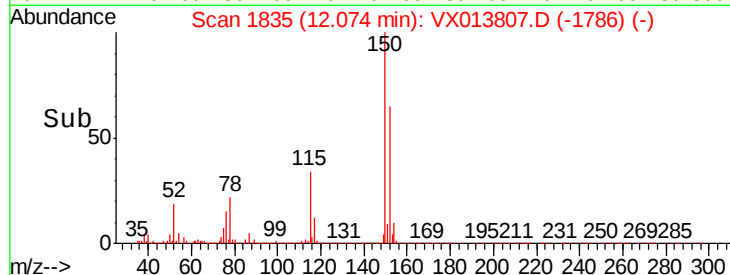
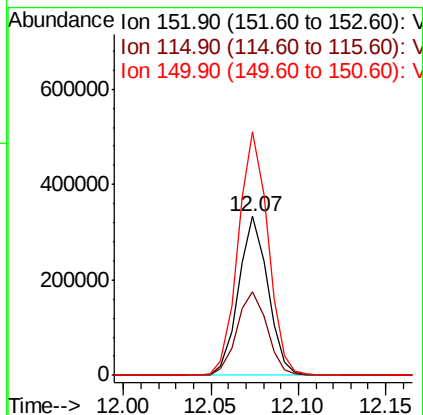
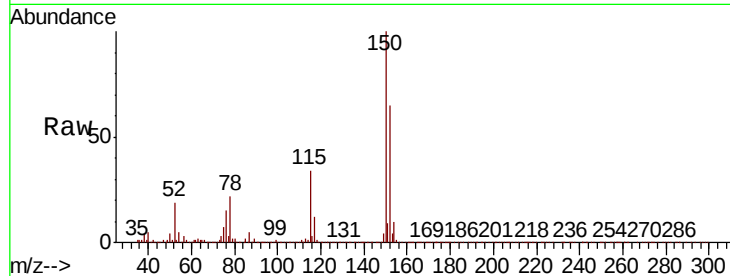


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013807.D
Acq: 06 Dec 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20191203DL

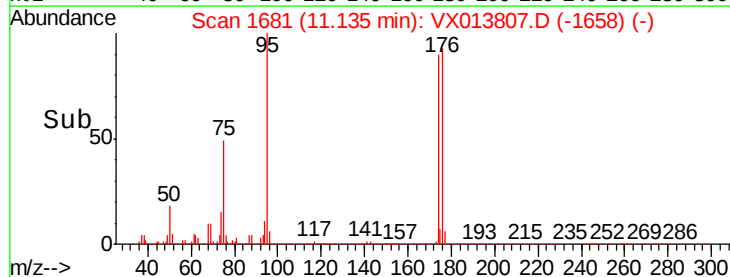
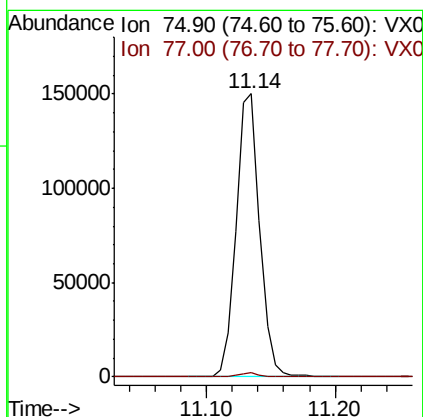
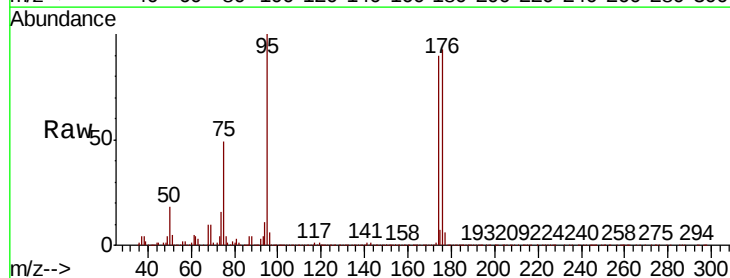
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	38.4	115.1
150	155.4	0.0	346.8

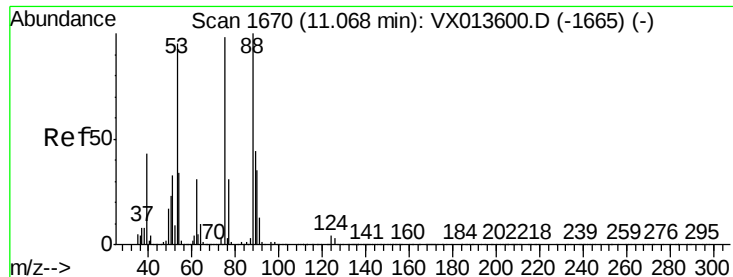


#76

1,2,3-Trichloropropane
Concen: 21.694 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX013807.D
Acq: 06 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	19.1	57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 59.352 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013807.D

Acq: 06 Dec 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20191203DL

Tot Ion: 75 Resp: 190400

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.1 35.4 53.2#

