

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013824.D
 Acq On : 07 Dec 2019 01:34
 Operator : JC/SP
 Sample : K6185-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20191205

Quant Time: Dec 07 02:46:34 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	624116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	947066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	825587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	338432	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	342097	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
35) Dibromofluoromethane	5.49	113	281862	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
50) Toluene-d8	8.71	98	1112774	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	11.13	95	359748	43.73	ug/l	0.00
Spiked Amount			Recovery	=	87.46%	

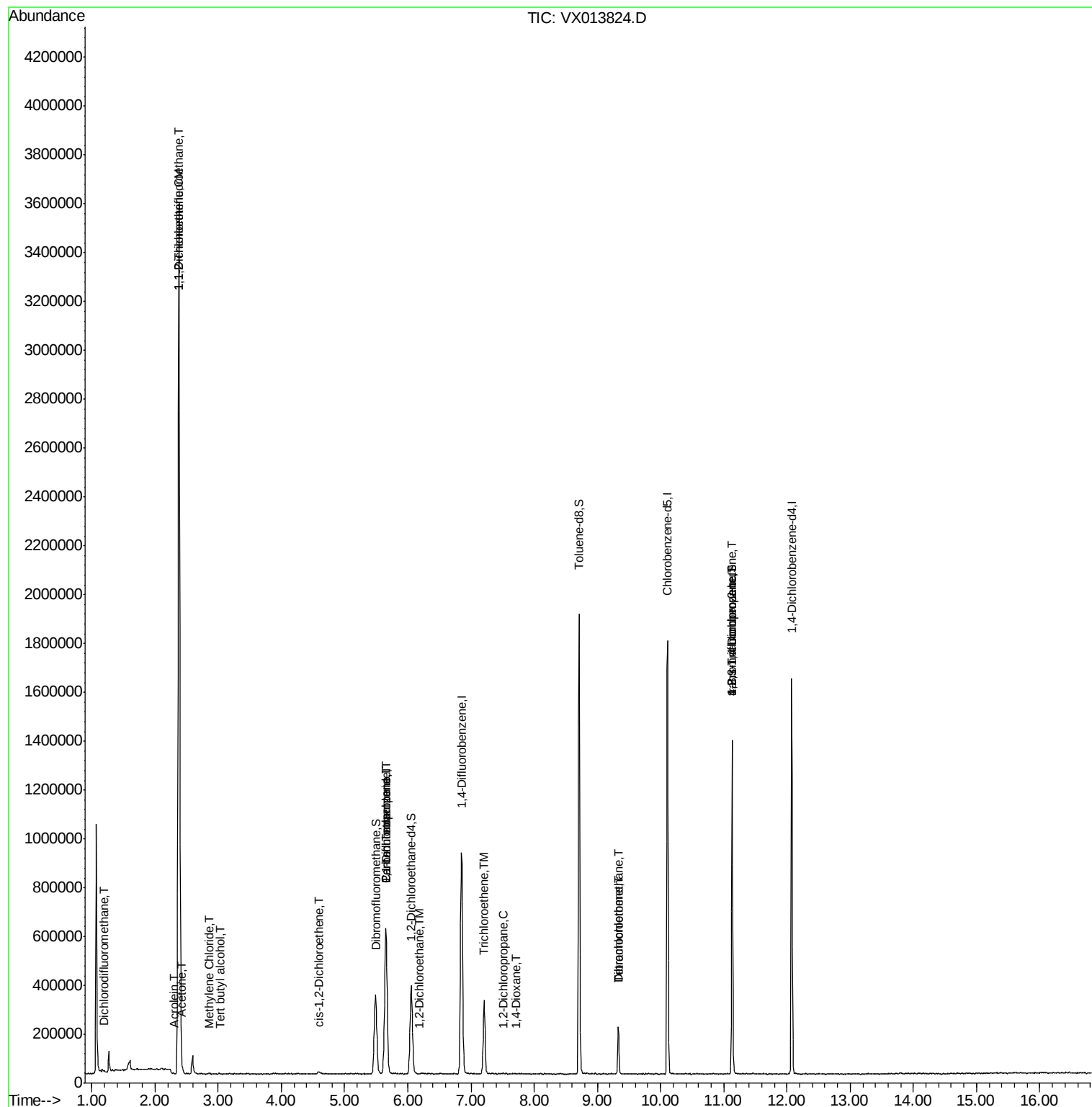
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	2360	0.340	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1455424	244.592	ug/l	99
11) Tert butyl alcohol	3.03	59	2823	1.579	ug/l	99
12) 1,1-Dichloroethene	2.37	96	11025	1.856	ug/l	79
13) Acrolein	2.30	56	182	6.152	ug/l #	1
16) Acetone	2.43	43	7602	2.125	ug/l	94
20) Methylene Chloride	2.86	84	2167	0.315	ug/l #	72
27) cis-1,2-Dichloroethene	4.59	96	6020	0.810	ug/l	81
36) 1,1-Dichloropropene	5.65	75	43290	5.035	ug/l #	51
38) Carbon Tetrachloride	5.65	117	55022	6.941	ug/l #	15
42) 1,2-Dichloroethane	6.18	62	2705	0.303	ug/l	93
44) Trichloroethene	7.21	130	121381	16.891	ug/l	100
45) 1,2-Dichloropropane	7.51	63	1737	0.265	ug/l #	85
49) 1,4-Dioxane	7.71	88	120	0.695	ug/l #	1
60) Dibromochloromethane	9.33	129	34349	5.049	ug/l #	12
64) Tetrachloroethene	9.33	164	38668	6.281	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	172720	22.691	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	172720	62.078	ug/l #	11

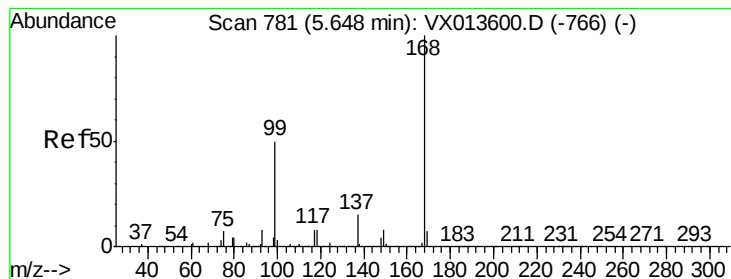
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013824.D

Acq: 07 Dec 2019 01:34

Instrument :

MSVOA_X

ClientSampleId :

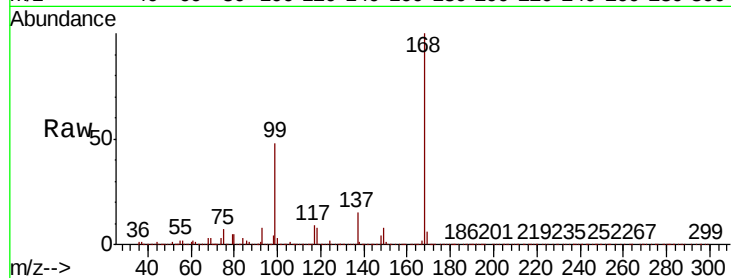
RE131D3-20191205

Tot Ion:168 Resp: 624116

Ion Ratio Lower Upper

168 100

99 47.8 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

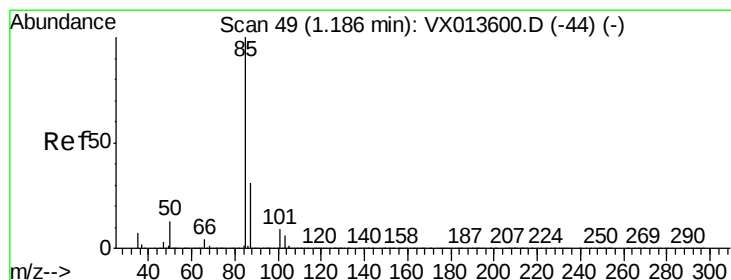
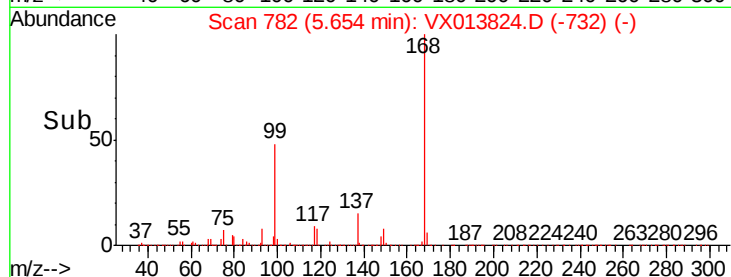
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.340 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013824.D

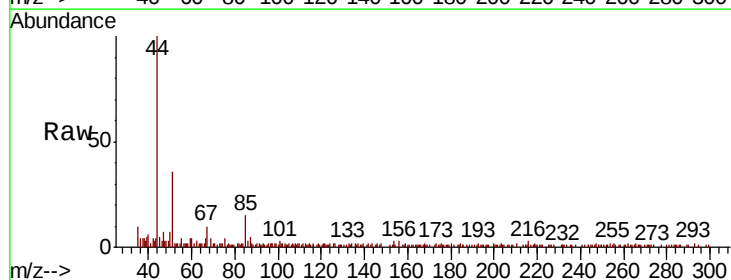
Acq: 07 Dec 2019 01:34

Tgt Ion: 85 Resp: 2360

Ion Ratio Lower Upper

85 100

87 23.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

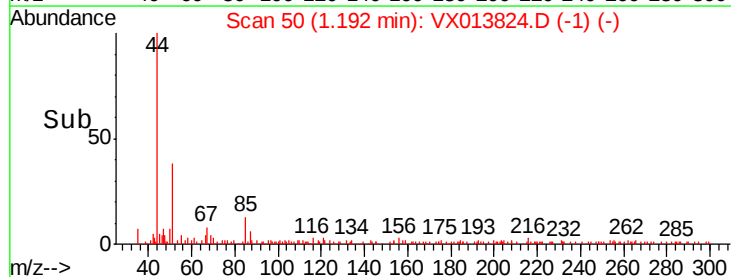
1500

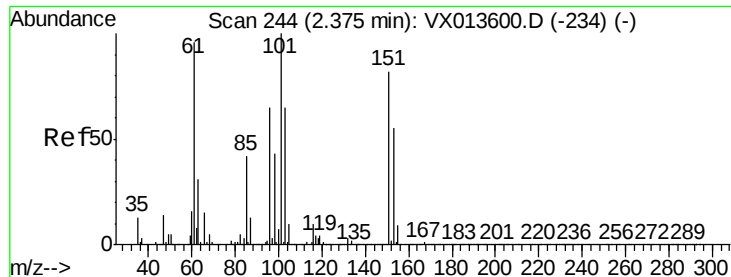
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 244.592 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20191205

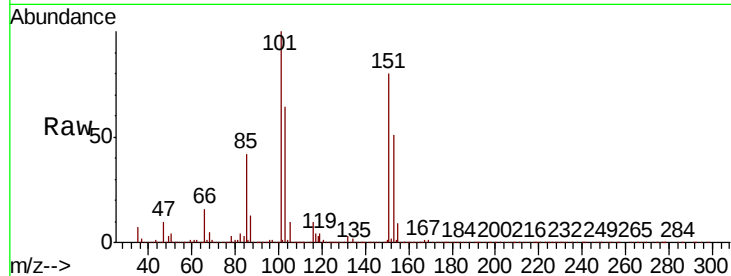
Tot Ion:101 Resp: 1455424

Ion Ratio Lower Upper

101 100

85 42.2 33.9 50.9

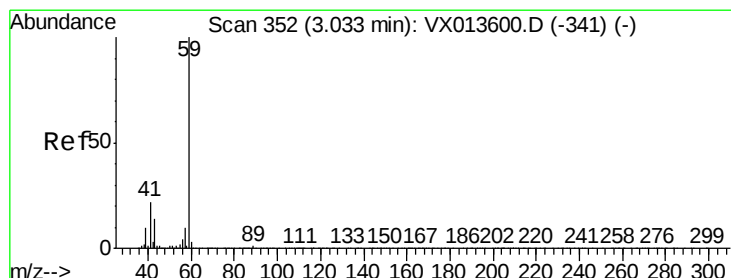
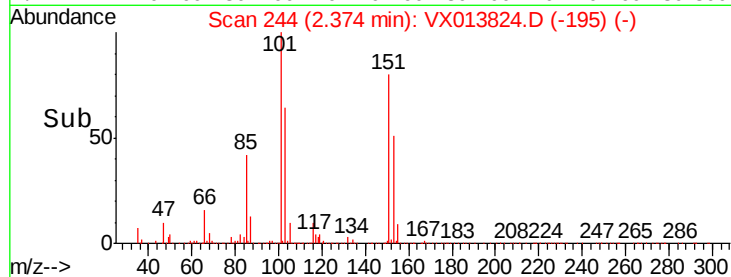
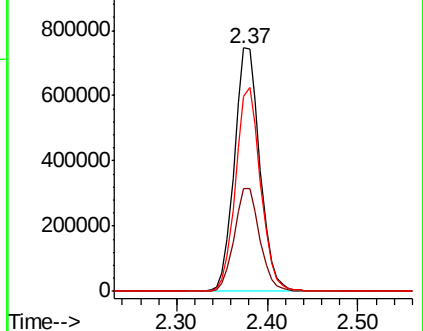
151 82.0 64.2 96.2



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: 1.579 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013824.D

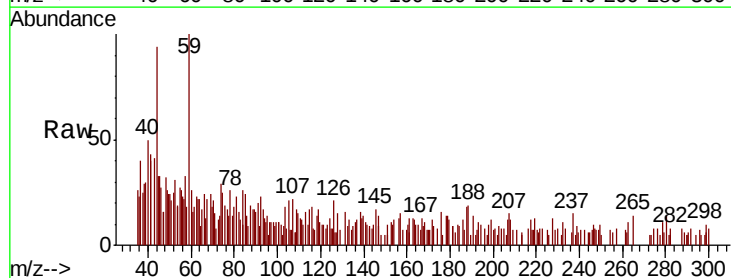
Acq: 07 Dec 2019 01:34

Tgt Ion: 59 Resp: 2823

Ion Ratio Lower Upper

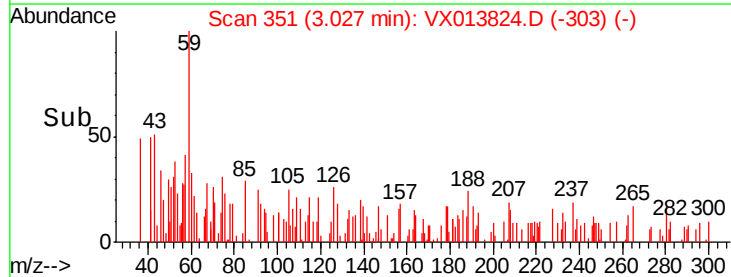
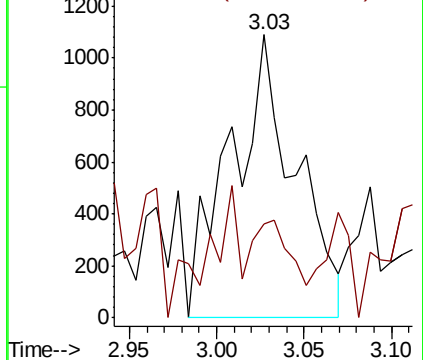
59 100

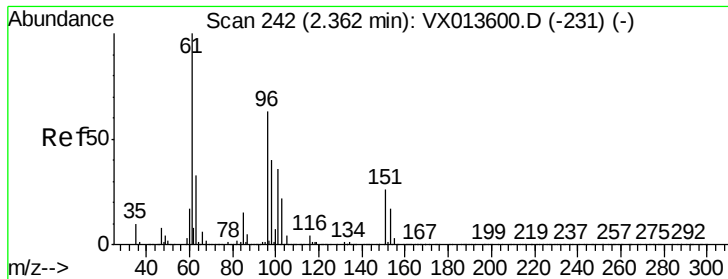
57 9.4 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 1.856 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20191205

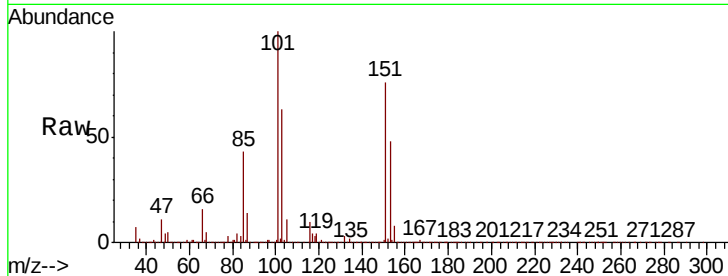
Tot Ion: 96 Resp: 11025

Ion Ratio Lower Upper

96 100

61 127.6 126.6 190.0

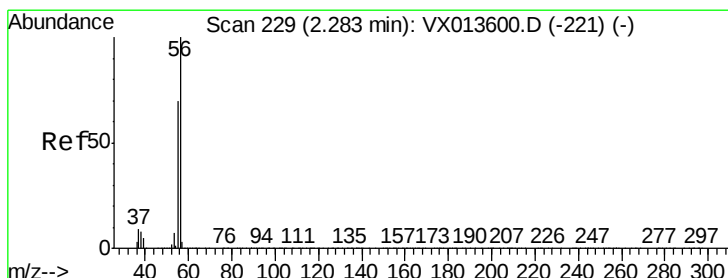
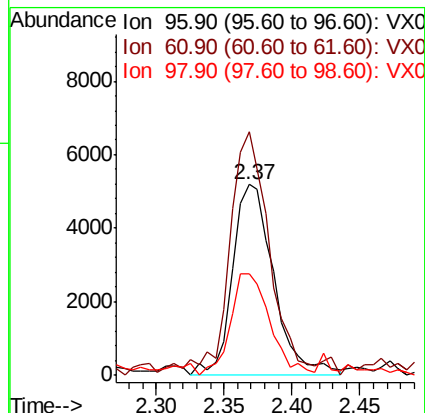
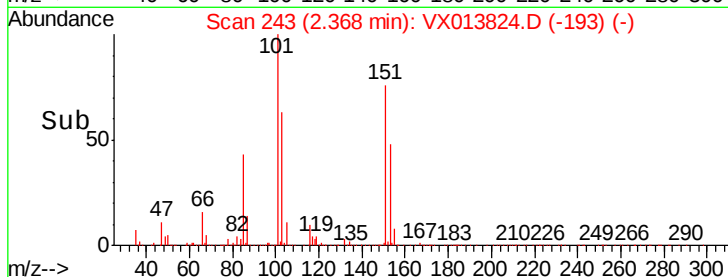
98 52.3 50.6 76.0



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



#13

Acrolein

Concen: 6.152 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX013824.D

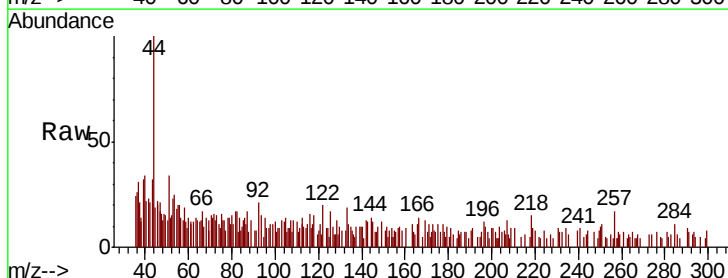
Acq: 07 Dec 2019 01:34

Tgt Ion: 56 Resp: 182

Ion Ratio Lower Upper

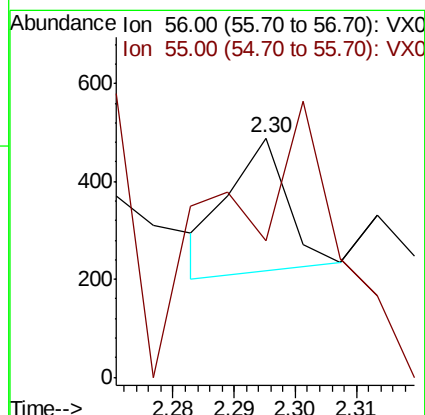
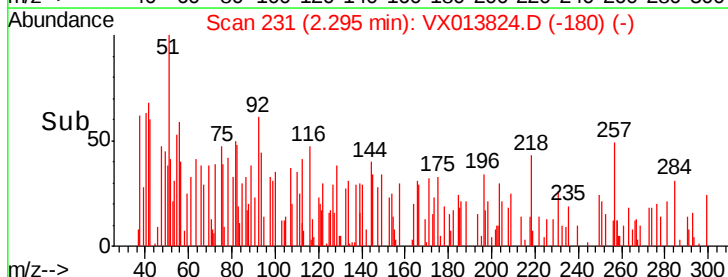
56 100

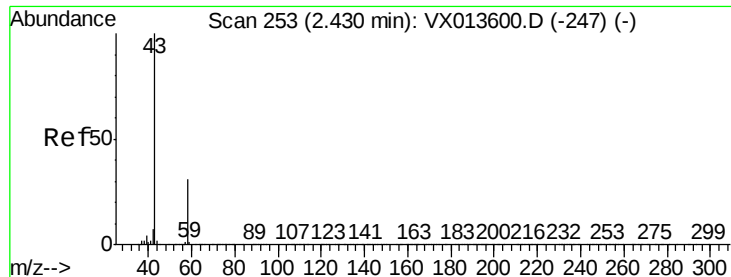
55 397.8 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

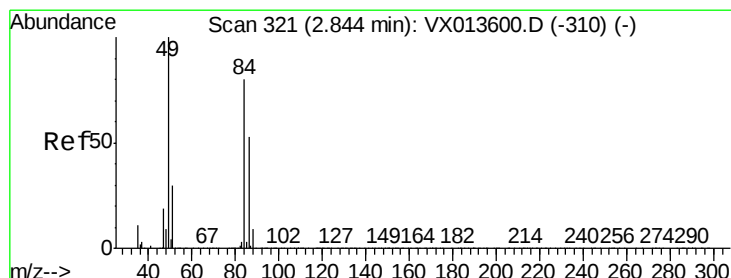
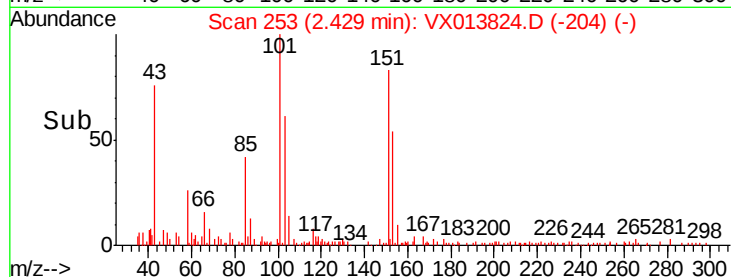
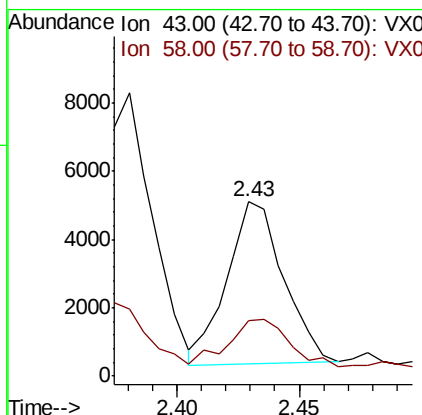
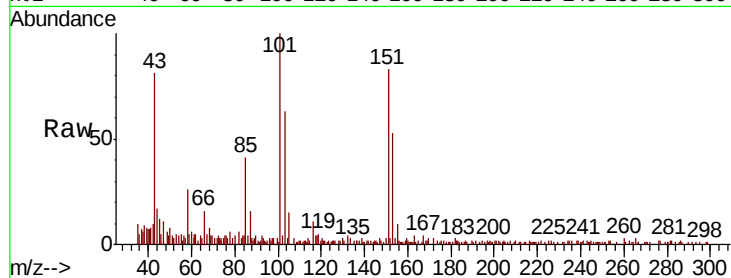




#16
Acetone
Concen: 2.125 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013824.D
Acq: 07 Dec 2019 01:34

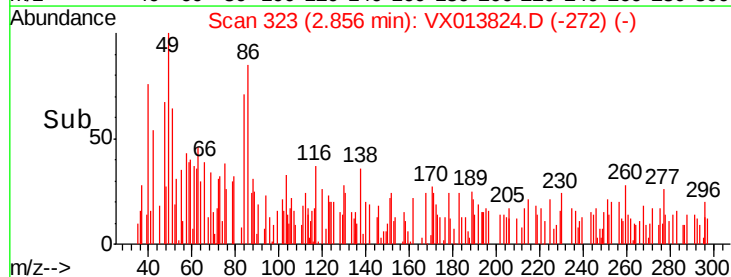
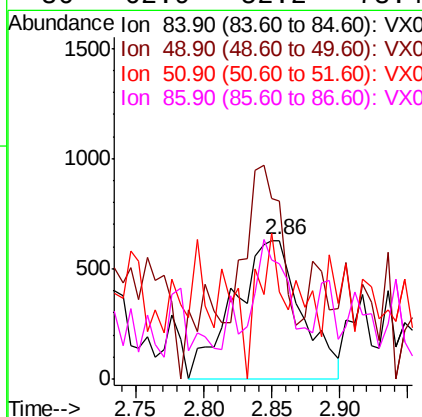
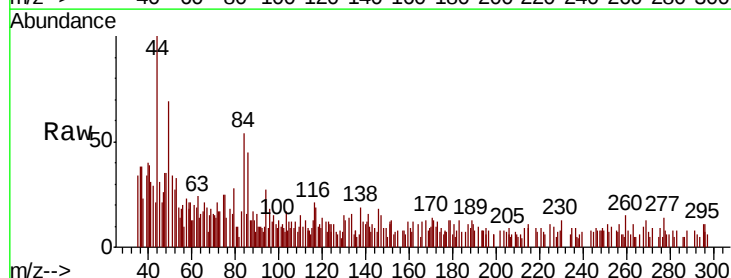
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20191205

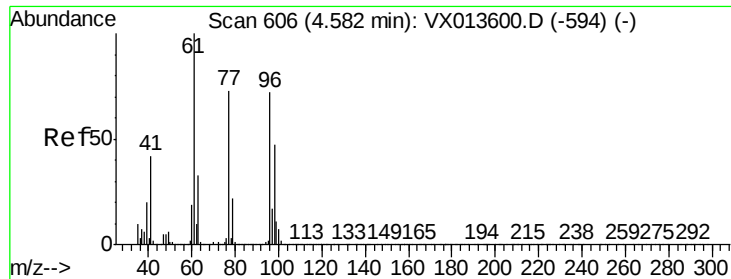
Tot Ion: 43 Resp: 7602
Ion Ratio Lower Upper
43 100
58 27.2 24.6 36.8



#20
Methylene Chloride
Concen: 0.315 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013824.D
Acq: 07 Dec 2019 01:34

Tgt Ion: 84 Resp: 2167
Ion Ratio Lower Upper
84 100
49 78.5 99.7 149.5#
51 19.1 29.9 44.9#
86 62.9 52.2 78.4



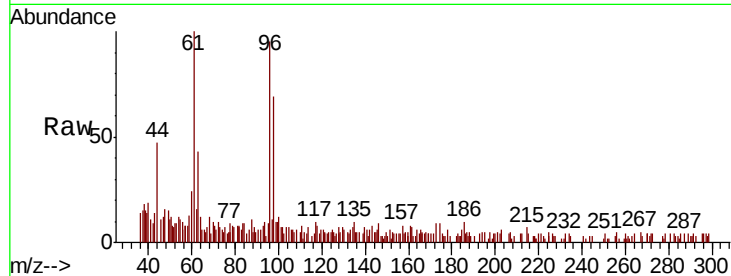


#27

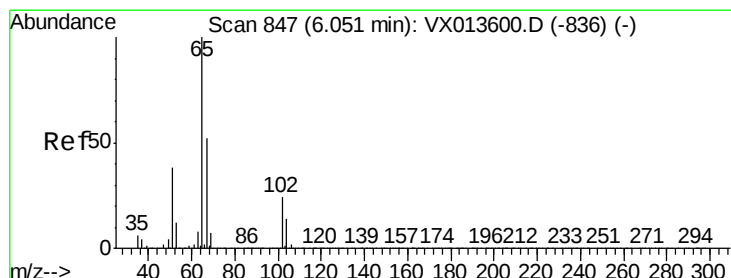
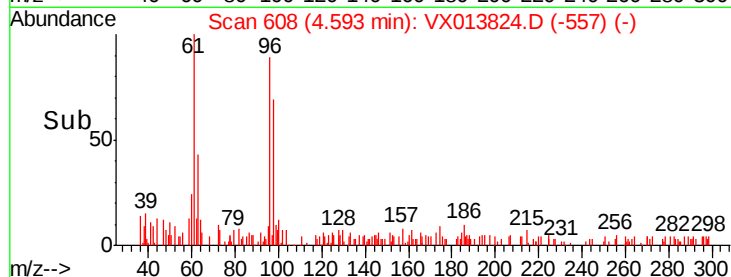
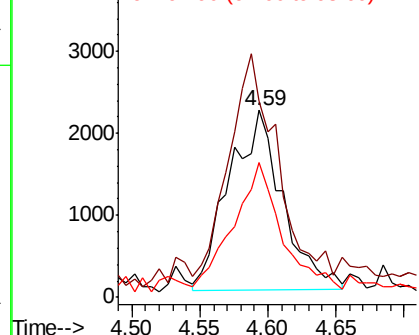
cis-1,2-Dichloroethene
Concen: 0.810 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX013824.D
Acq: 07 Dec 2019 01:34

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20191205

Tot Ion	Ratio	Lower	Upper
96	100		
61	111.8	0.0	286.4
98	67.5	0.0	127.4



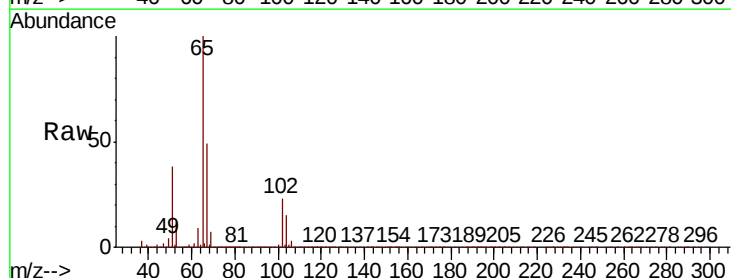
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



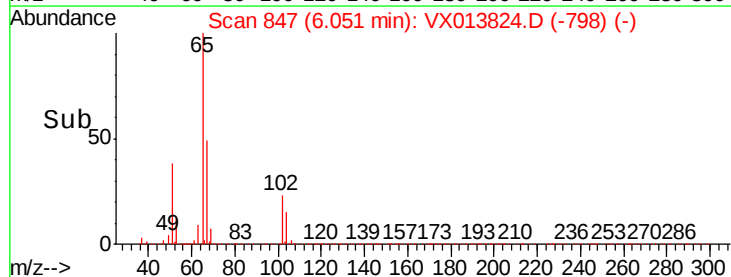
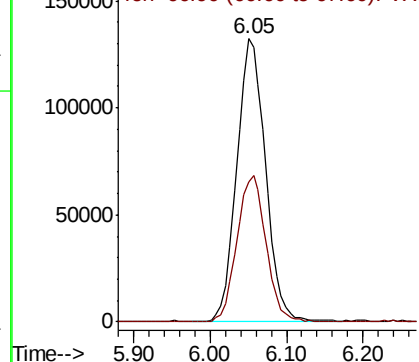
#33

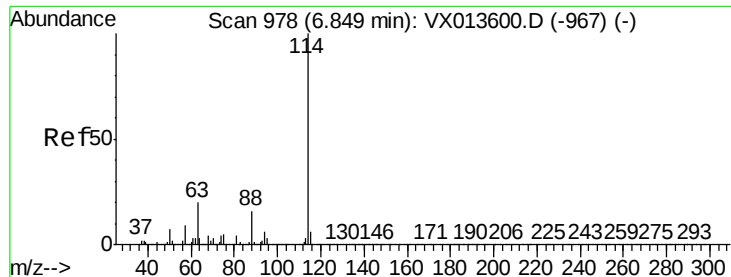
1,2-Dichloroethane-d4
Concen: 47.221 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013824.D
Acq: 07 Dec 2019 01:34

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.3	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: VX013824.D

Acq: 07 Dec 2019 01:34

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20191205

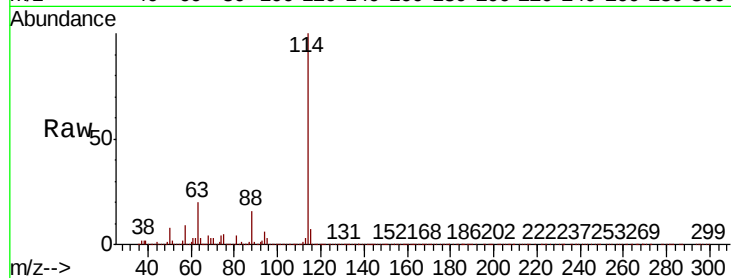
Tot Ion:114 Resp: 947066

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

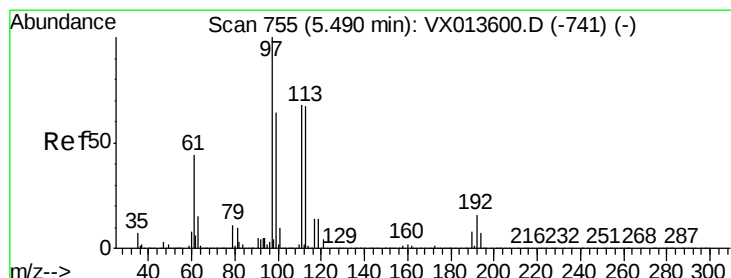
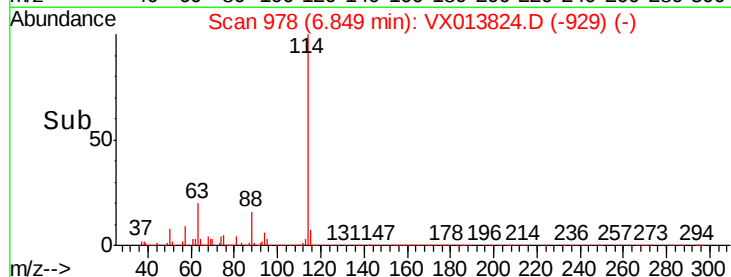
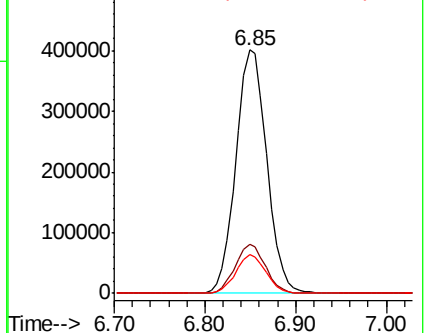
88 15.7 0.0 31.4



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: 48.141 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

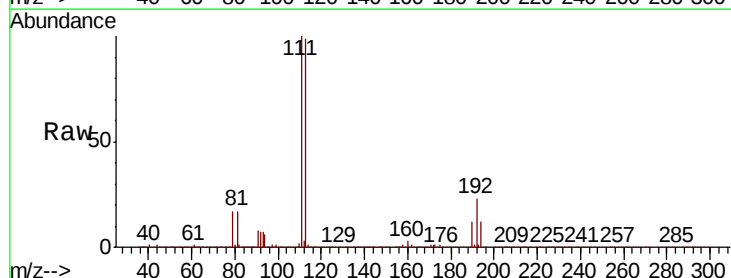
Tgt Ion:113 Resp: 281862

Ion Ratio Lower Upper

113 100

111 101.0 83.6 125.4

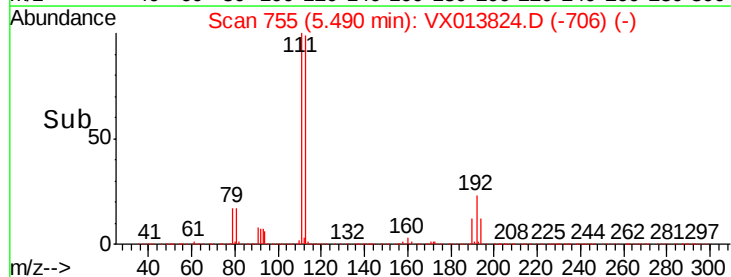
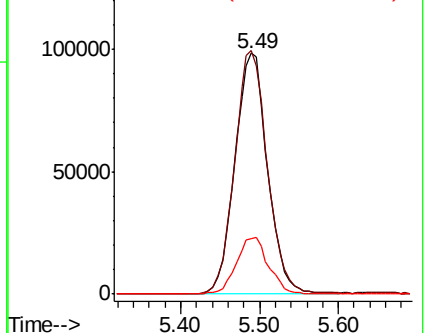
192 23.1 19.2 28.8

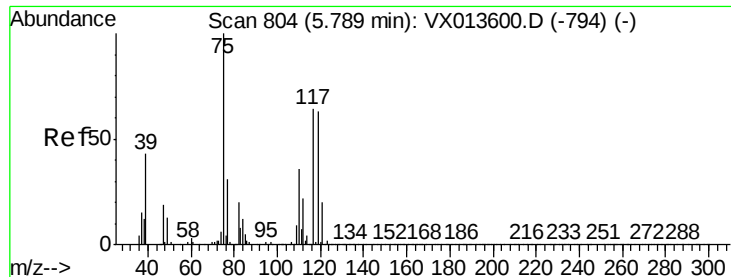


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.035 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20191205

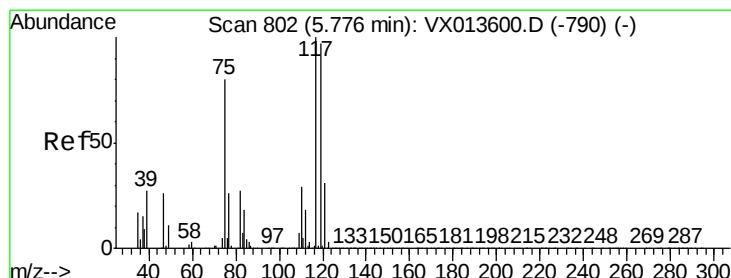
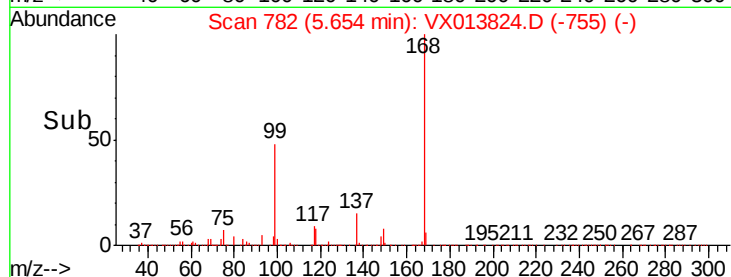
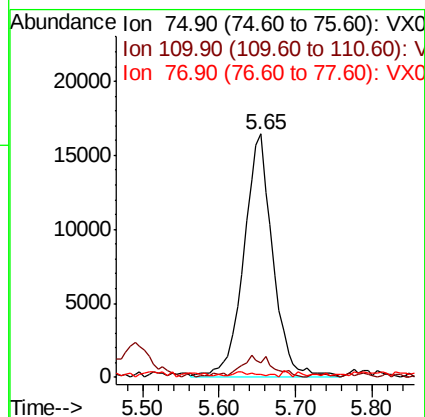
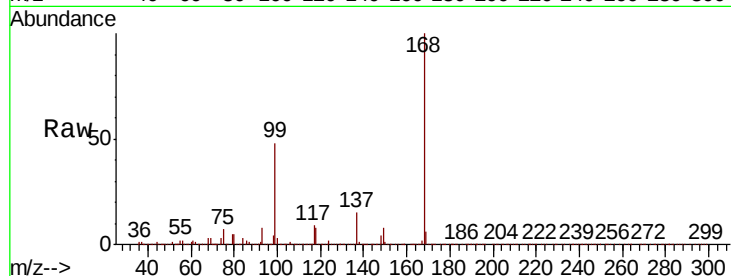
Tot Ion: 75 Resp: 43290

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.941 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

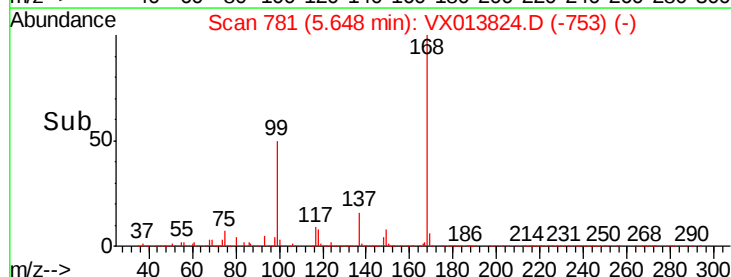
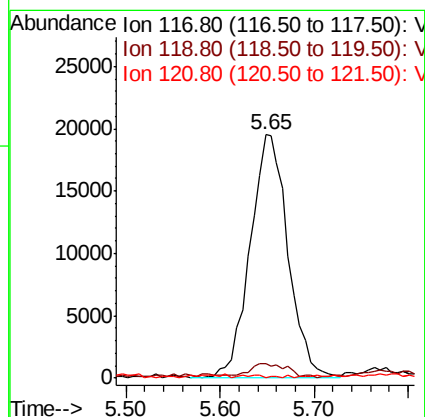
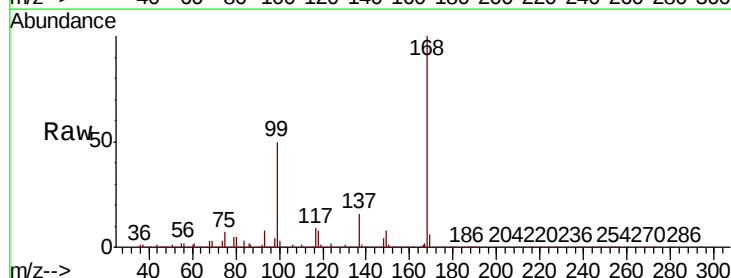
Tgt Ion: 117 Resp: 55022

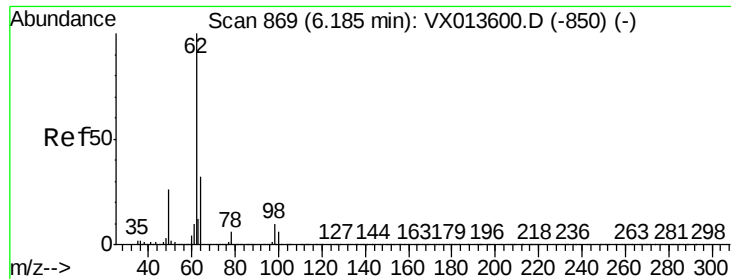
Ion Ratio Lower Upper

117 100

119 5.1 77.5 116.3#

121 0.0 25.0 37.6#





#42

1,2-Dichloroethane

Concen: 0.303 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

Instrument :

MSVOA_X

ClientSampleId :

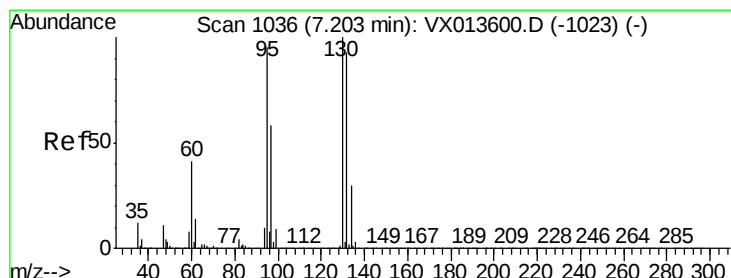
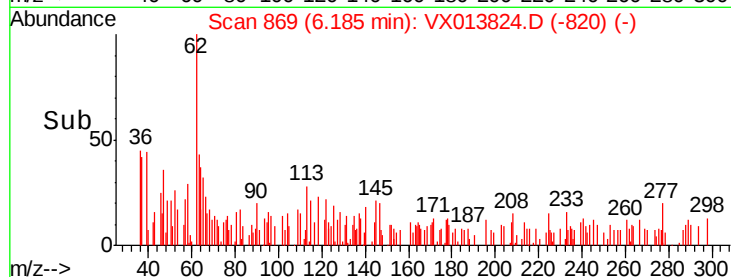
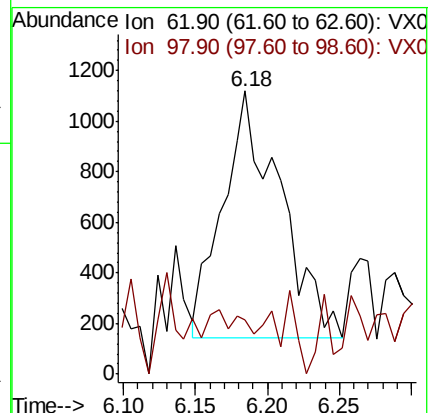
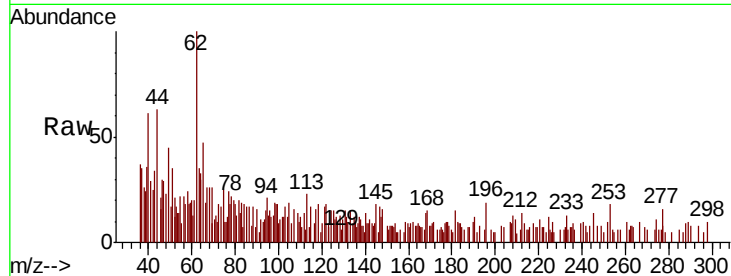
RE131D3-20191205

Tot Ion: 62 Resp: 2705

Ion Ratio Lower Upper

62 100

98 7.7 0.0 20.8



#44

Trichloroethene

Concen: 16.891 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013824.D

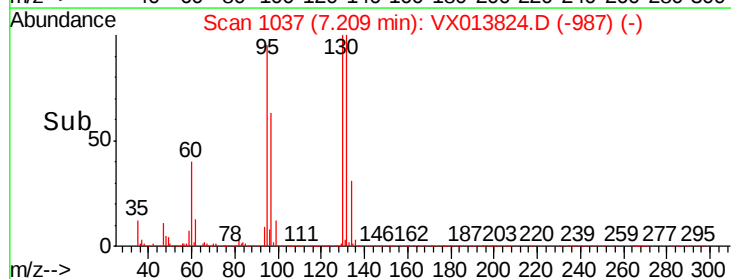
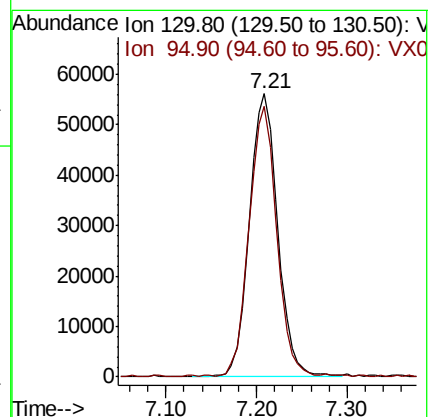
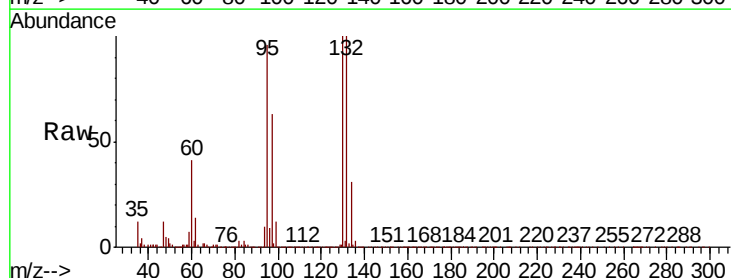
Acq: 07 Dec 2019 01:34

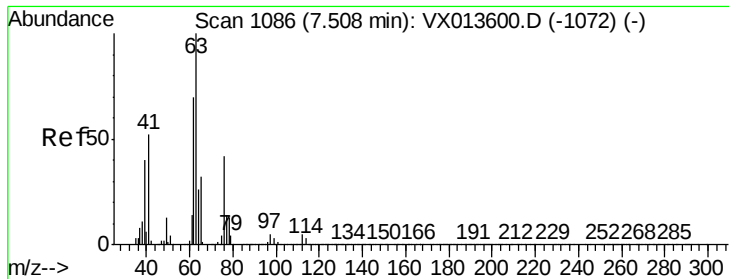
Tgt Ion:130 Resp: 121381

Ion Ratio Lower Upper

130 100

95 95.2 0.0 190.8





#45

1,2-Dichloropropane

Concen: 0.265 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

Instrument :

MSVOA_X

ClientSampleId :

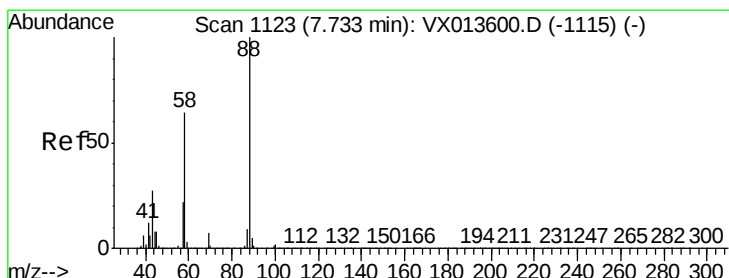
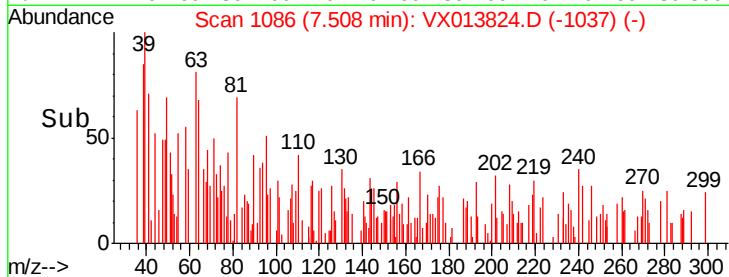
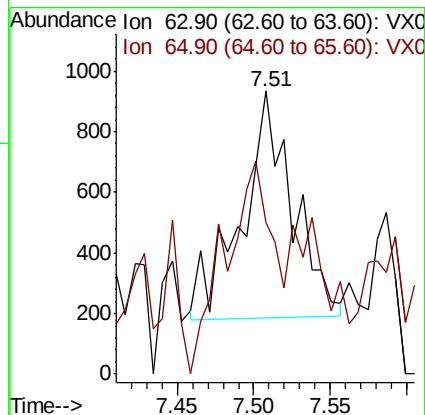
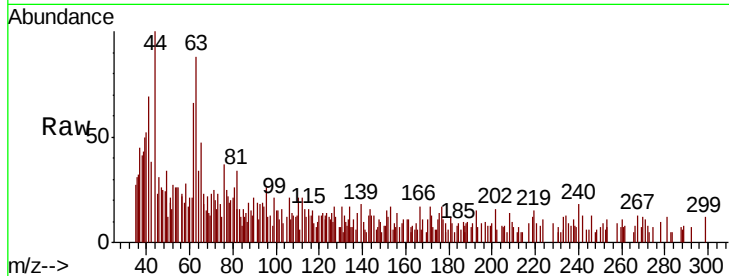
RE131D3-20191205

Tot Ion: 63 Resp: 1737

Ion Ratio Lower Upper

63 100

65 40.5 25.5 38.3#



#49

1,4-Dioxane

Concen: 0.695 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

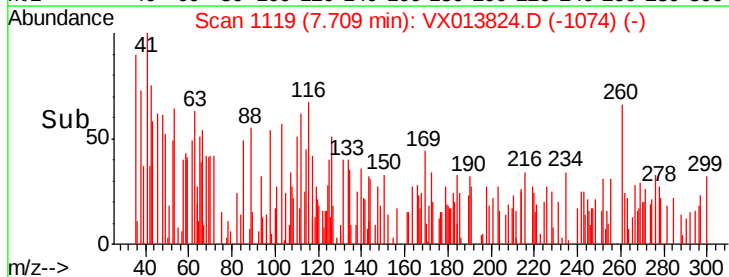
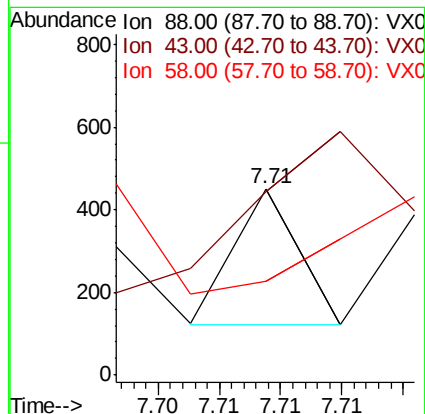
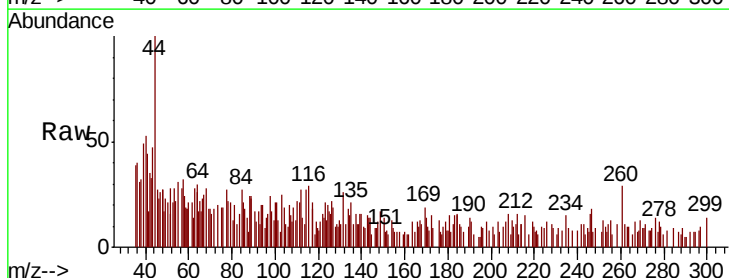
Tgt Ion: 88 Resp: 120

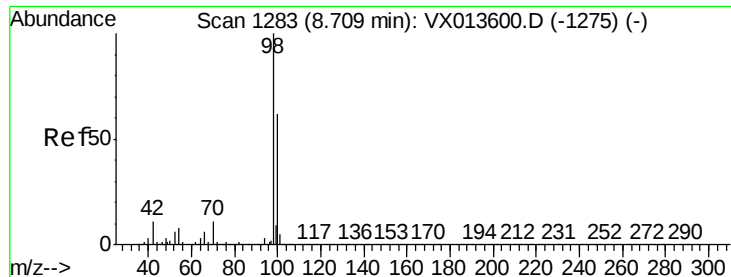
Ion Ratio Lower Upper

88 100

43 430.8 25.8 38.6#

58 320.8 54.6 82.0#





#50

Toluene-d8

Concen: 48.782 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

Instrument :

MSVOA_X

ClientSampleId :

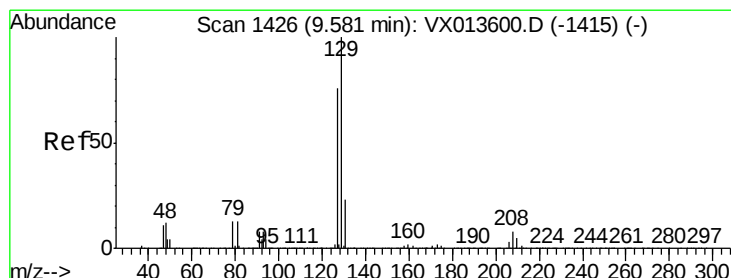
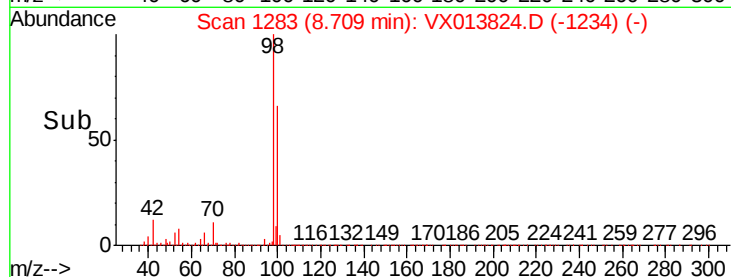
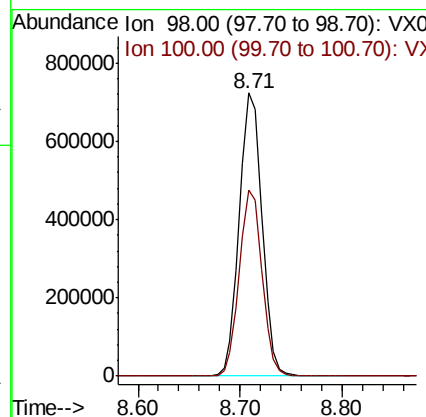
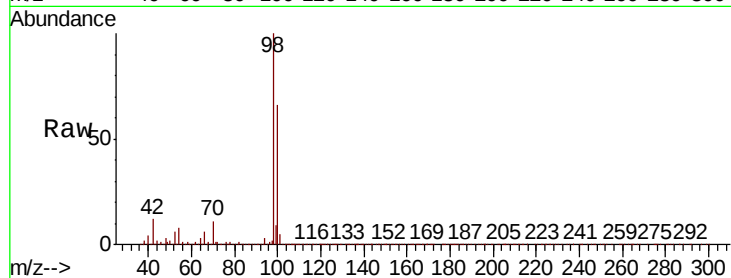
RE131D3-20191205

Tot Ion: 98 Resp: 1112774

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#60

Dibromochloromethane

Concen: 5.049 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX013824.D

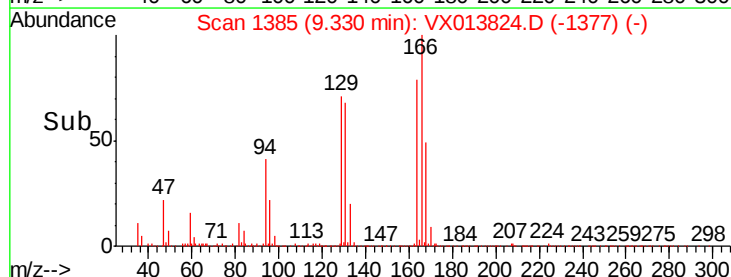
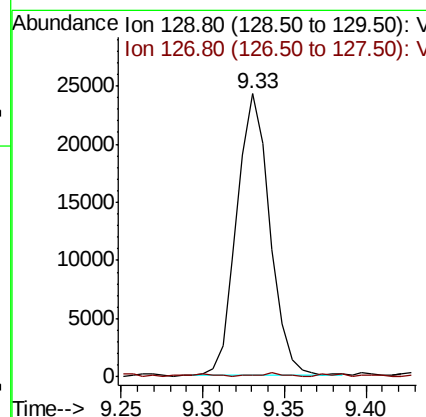
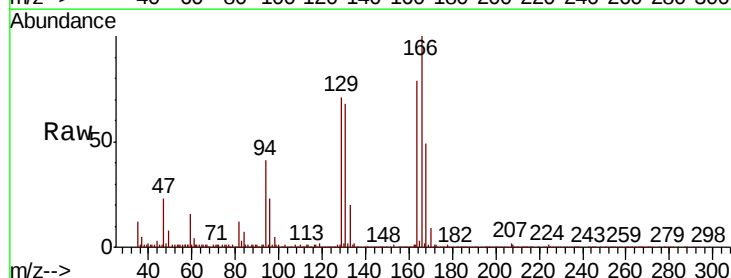
Acq: 07 Dec 2019 01:34

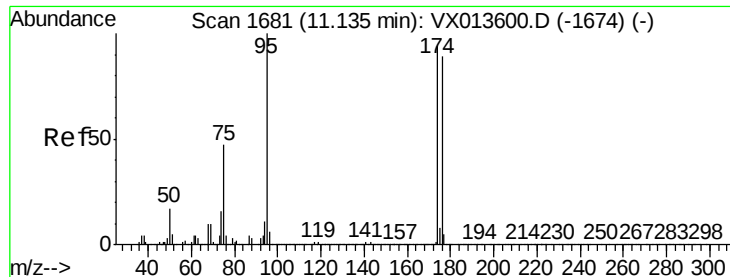
Tgt Ion: 129 Resp: 34349

Ion Ratio Lower Upper

129 100

127 0.9 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 43.734 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20191205

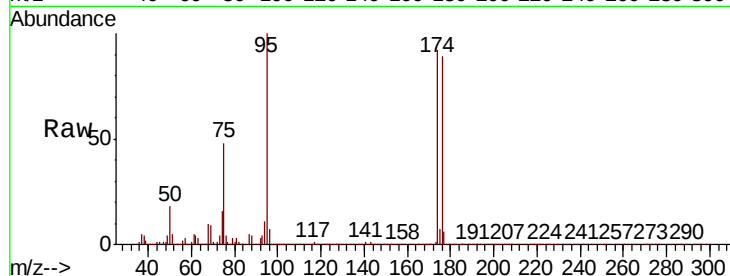
Tot Ion: 95 Resp: 359748

Ion Ratio Lower Upper

95 100

174 89.3 0.0 180.0

176 86.1 0.0 173.6

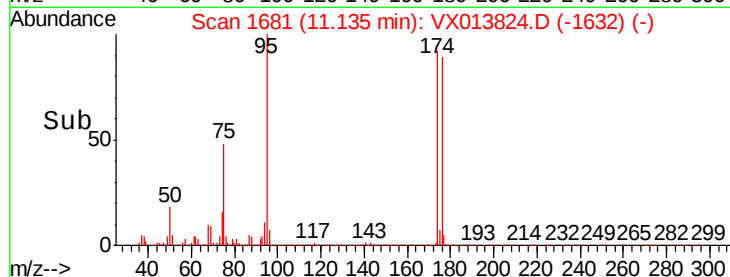


Abundance Ion 94.90 (94.60 to 95.60): VX013600.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013600.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013600.D (-1674) (-)

Time-->

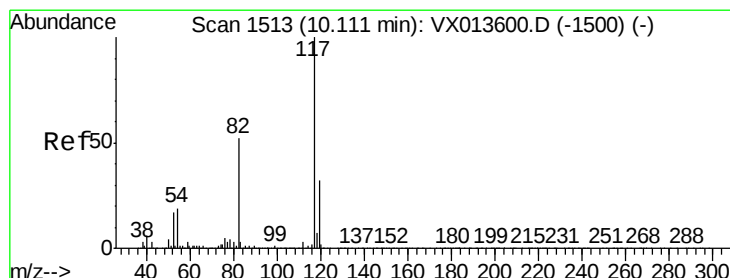


Abundance Ion 94.90 (94.60 to 95.60): VX013824.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX013824.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX013824.D (-1632) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

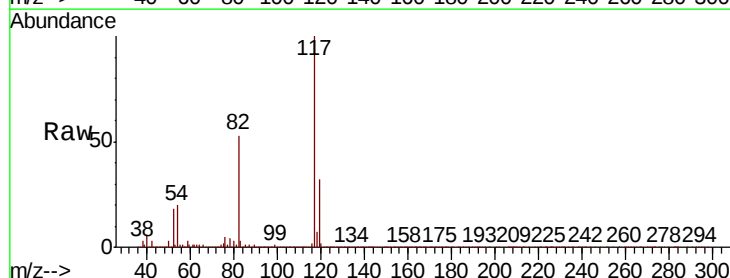
Tgt Ion: 117 Resp: 825587

Ion Ratio Lower Upper

117 100

82 52.9 41.8 62.8

119 31.9 25.8 38.8

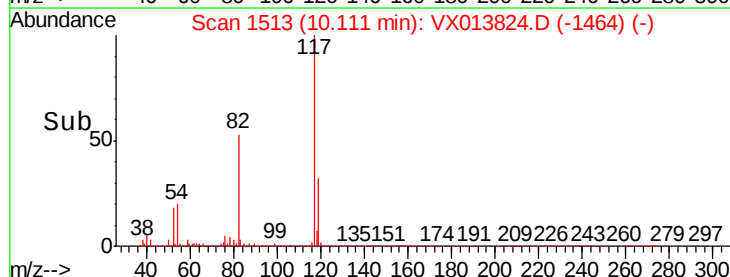


Abundance Ion 116.90 (116.60 to 117.60): VX013600.D (-1500) (-)

Ion 82.00 (81.70 to 82.70): VX013600.D (-1500) (-)

Ion 118.90 (118.60 to 119.60): VX013600.D (-1500) (-)

Time-->

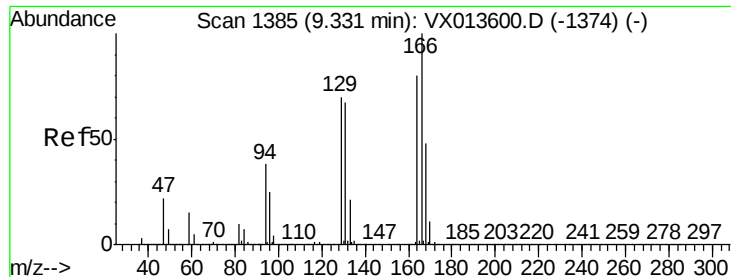


Abundance Ion 116.90 (116.60 to 117.60): VX013824.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013824.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013824.D (-1464) (-)

Time-->



#64

Tetrachloroethene

Concen: 6.281 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20191205

Tot Ion:164 Resp: 38668

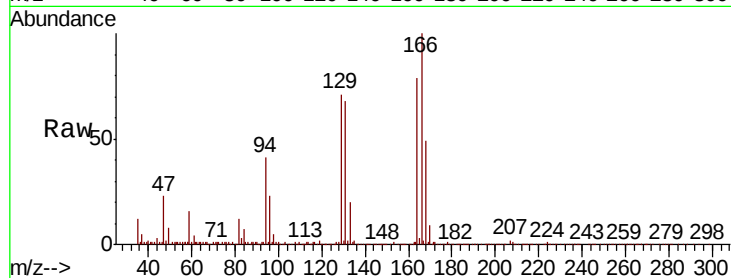
Ion Ratio Lower Upper

164 100

166 125.4 99.7 149.5

129 89.4 70.1 105.1

131 85.4 66.9 100.3

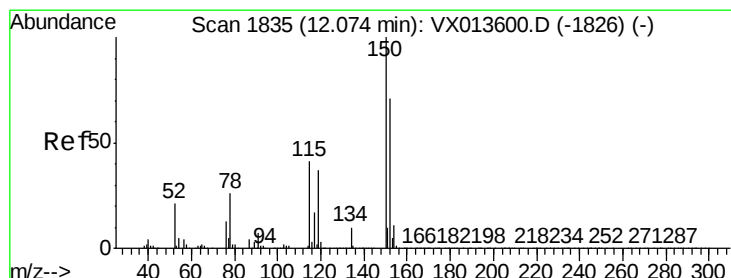
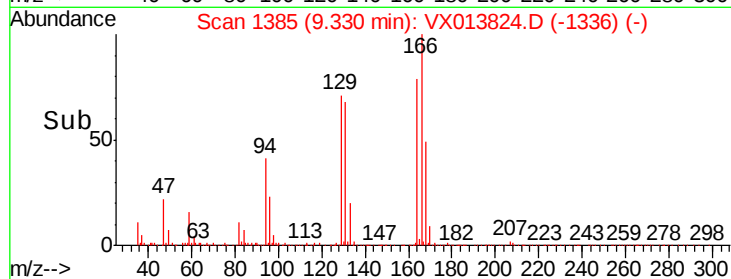
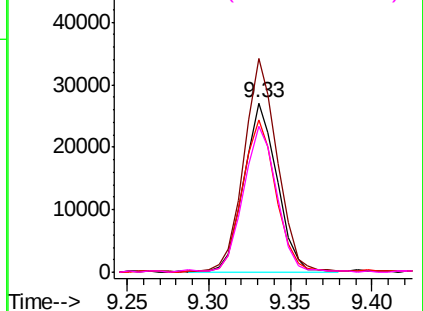


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX013824.D

Acq: 07 Dec 2019 01:34

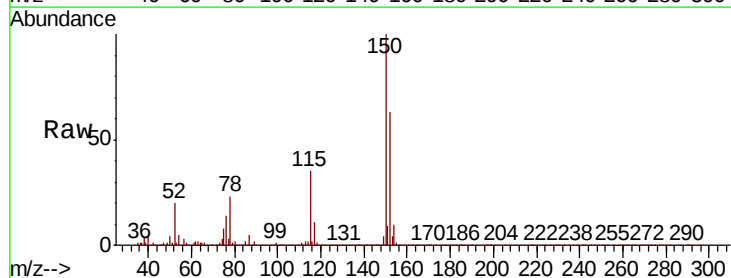
Tgt Ion:152 Resp: 338432

Ion Ratio Lower Upper

152 100

115 54.8 38.4 115.1

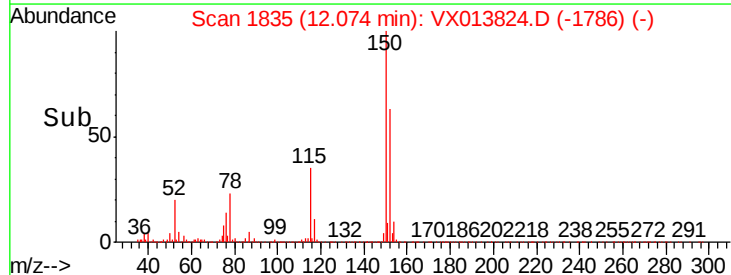
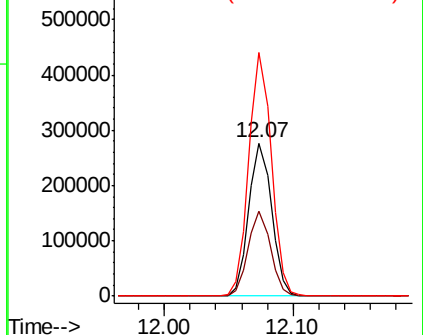
150 157.2 0.0 346.8

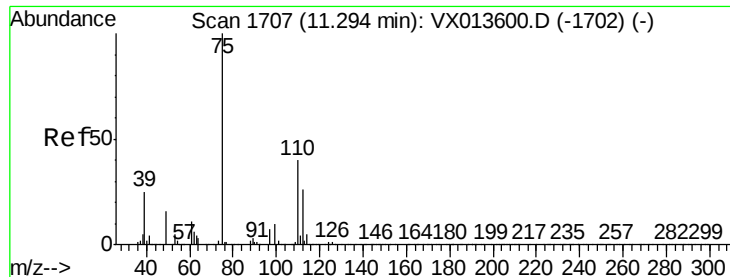


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.691 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

Instrument :

MSVOA_X

ClientSampleId :

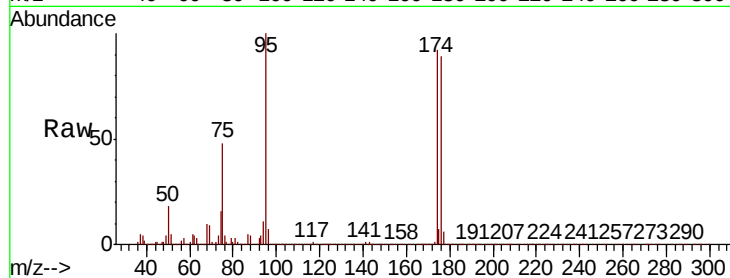
RE131D3-20191205

Tot Ion: 75 Resp: 172720

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

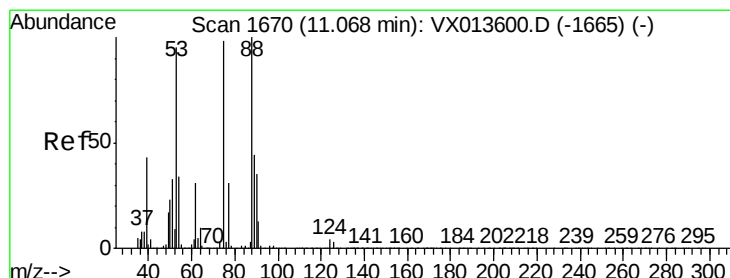
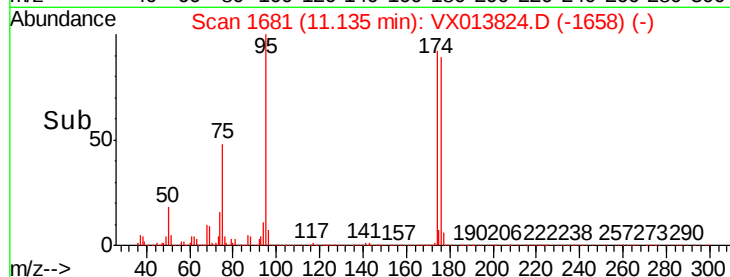
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 62.078 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013824.D

Acq: 07 Dec 2019 01:34

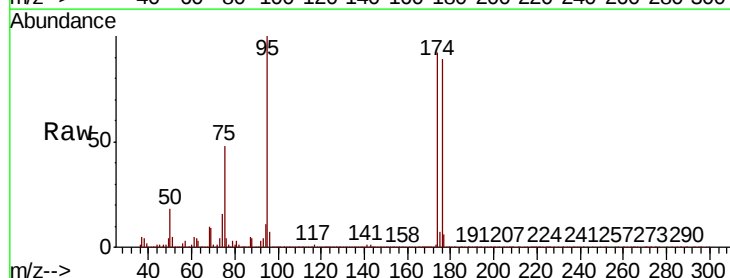
Tgt Ion: 75 Resp: 172720

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.1 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

11.13

150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20

