

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013823.D
 Acq On : 07 Dec 2019 01:11
 Operator : JC/SP
 Sample : K6185-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20191205

Quant Time: Dec 07 02:46:16 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

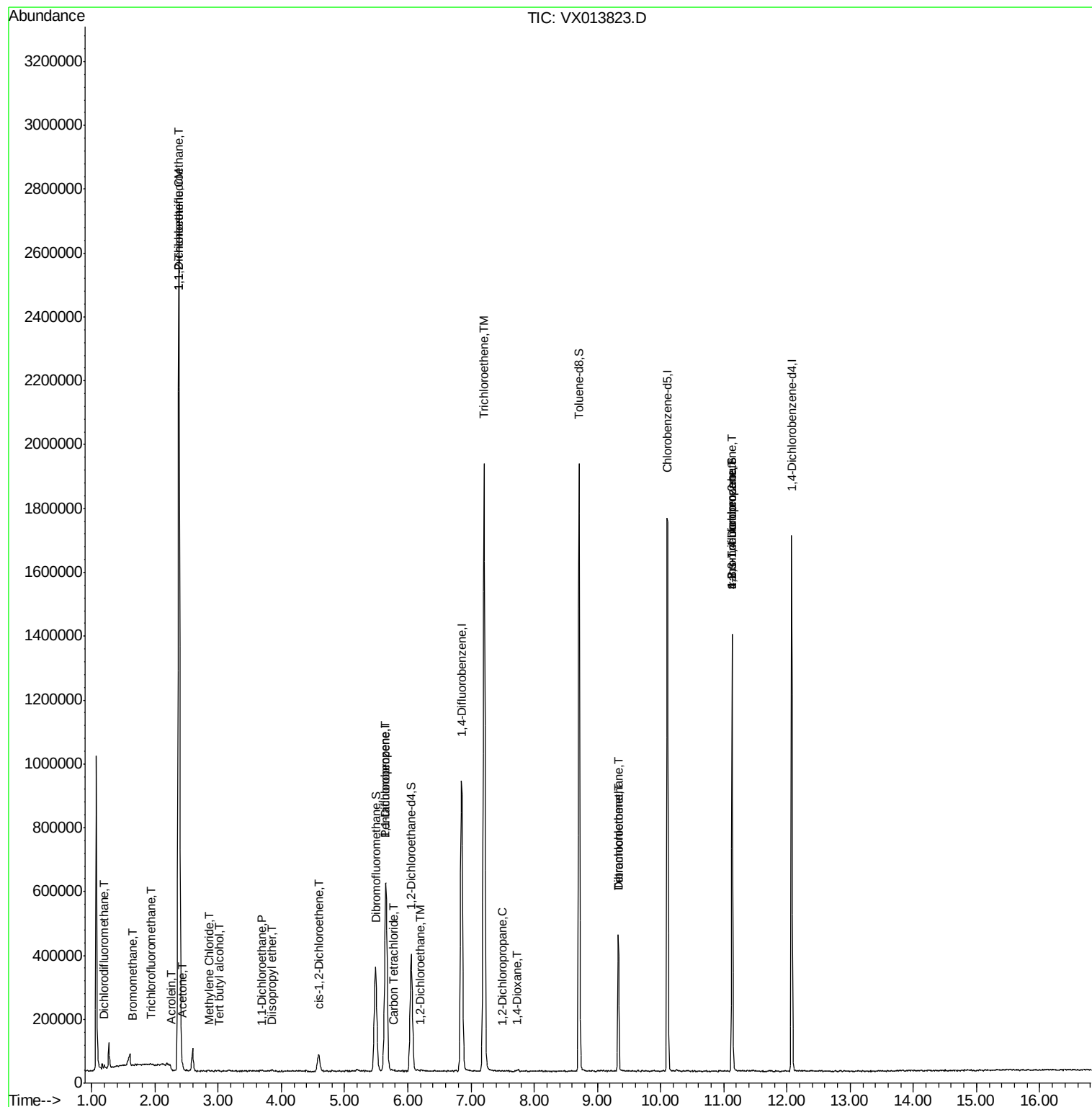
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	623190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	955534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	840046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	354441	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	346089	47.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.68%	
35) Dibromofluoromethane	5.49	113	283768	48.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.08%	
50) Toluene-d8	8.71	98	1127446	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.14	95	361038	43.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	3058	0.441	ug/l	87
5) Bromomethane	1.64	94	1563	0.266	ug/l #	58
7) Trichlorofluoromethane	1.94	101	2654	0.273	ug/l #	74
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1116429	187.901	ug/l	99
11) Tert butyl alcohol	3.03	59	1143	0.640	ug/l #	47
12) 1,1-Dichloroethene	2.37	96	11604	1.957	ug/l	97
13) Acrolein	2.26	56	382	6.316	ug/l #	51
16) Acetone	2.44	43	9376	2.625	ug/l	94
20) Methylene Chloride	2.85	84	1679	0.245	ug/l #	66
22) Diisopropyl ether	3.84	45	4578	0.221	ug/l #	86
24) 1,1-Dichloroethane	3.69	63	3199	0.282	ug/l #	87
27) cis-1,2-Dichloroethene	4.59	96	34253	4.617	ug/l	90
36) 1,1-Dichloropropene	5.65	75	43249	4.986	ug/l #	42
38) Carbon Tetrachloride	5.78	117	2438	0.305	ug/l #	73
42) 1,2-Dichloroethane	6.20	62	5011	0.556	ug/l	90
44) Trichloroethene	7.21	130	756632	104.359	ug/l	95
45) 1,2-Dichloropropane	7.50	63	1440	0.218	ug/l #	66
49) 1,4-Dioxane	7.73	88	4513	25.903	ug/l #	85
60) Dibromochloromethane	9.33	129	76726	11.179	ug/l #	11
64) Tetrachloroethene	9.33	164	89187	14.237	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	179452	22.510	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	179452	61.584	ug/l #	11

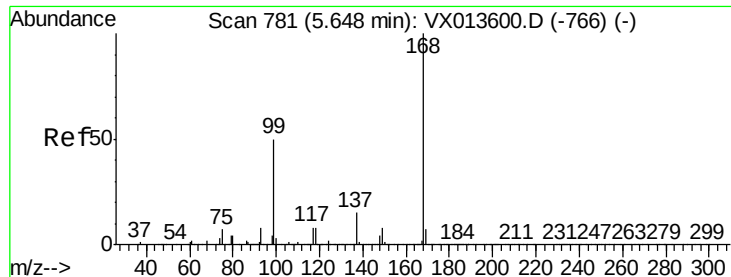
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120619\
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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# 781

Delta R.T. -0.00 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

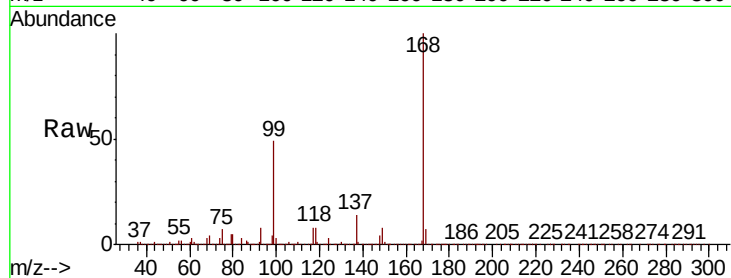
RE131D2-20191205

Tot Ion:168 Resp: 623190

Ion Ratio Lower Upper

168 100

99 49.1 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

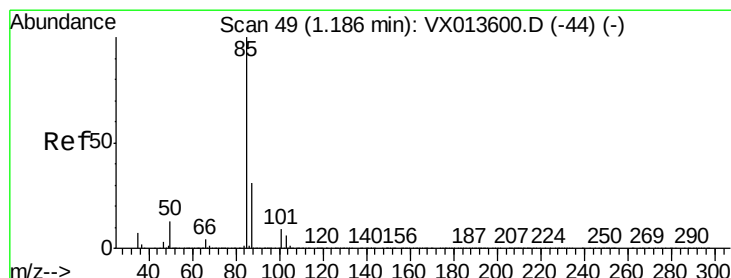
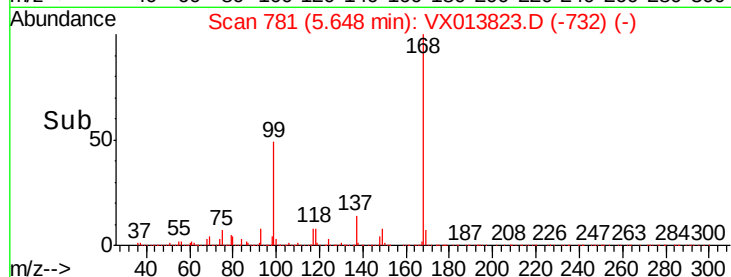
150000

100000

50000

0

Time--> 5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 0.441 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013823.D

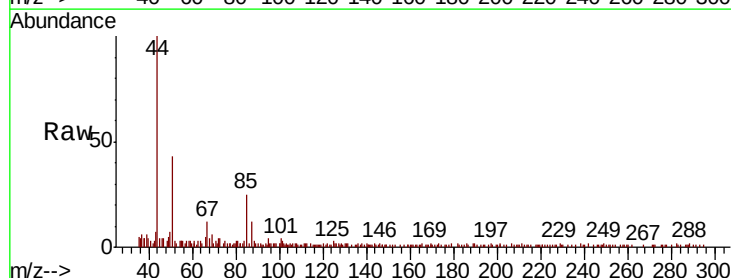
Acq: 07 Dec 2019 01:11

Tgt Ion: 85 Resp: 3058

Ion Ratio Lower Upper

85 100

87 38.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

2500

2000

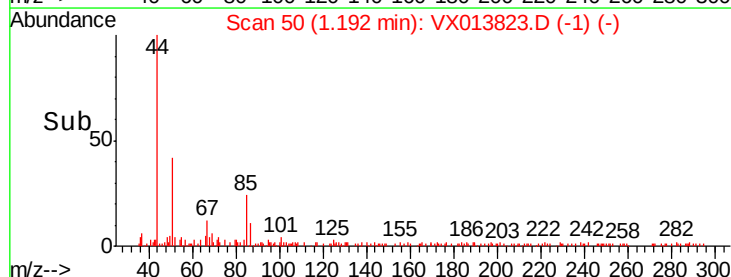
1500

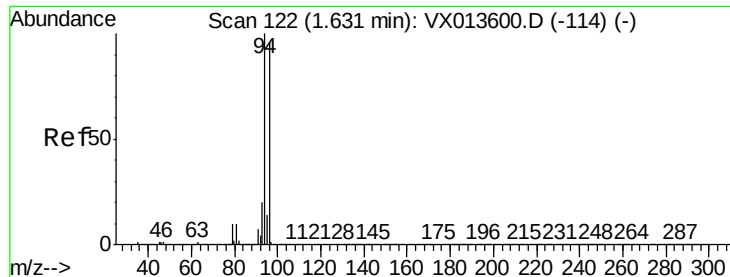
1000

500

0

Time--> 1.15 1.20 1.25





#5

Bromomethane

Concen: 0.266 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

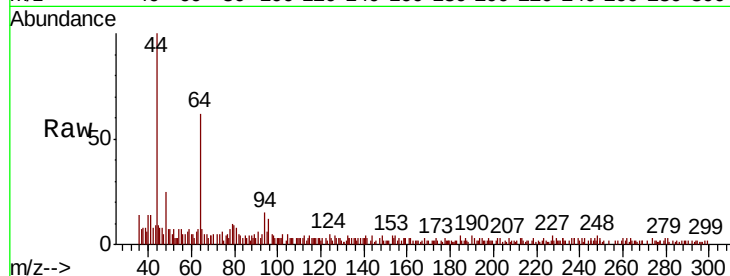
RE131D2-20191205

Tot Ion: 94 Resp: 1563

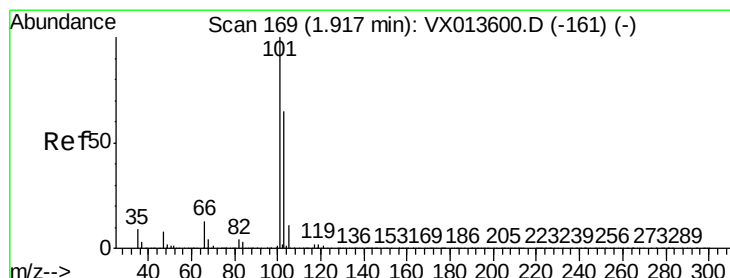
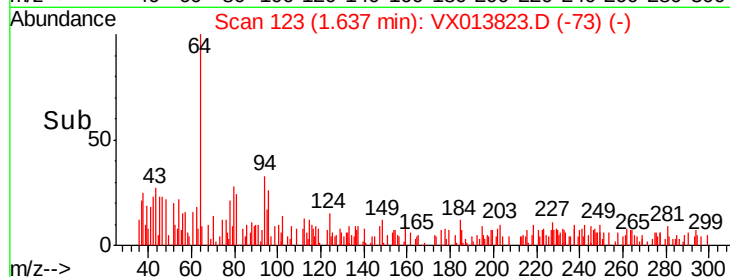
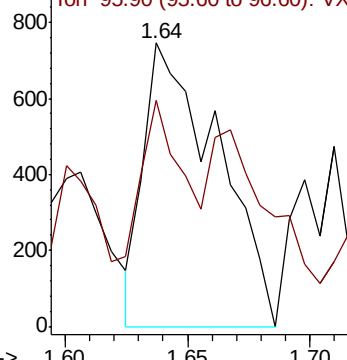
Ion Ratio Lower Upper

94 100

96 55.2 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#7

Trichlorofluoromethane

Concen: 0.273 ug/l

RT: 1.94 min Scan# 172

Delta R.T. 0.02 min

Lab File: VX013823.D

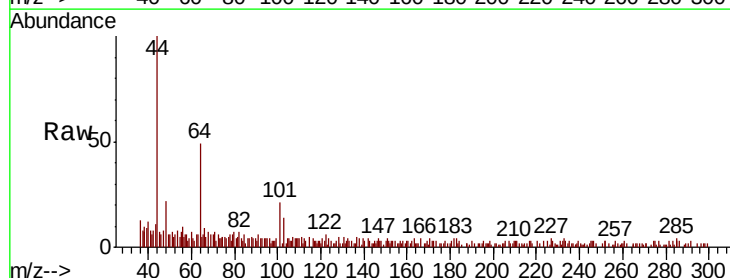
Acq: 07 Dec 2019 01:11

Tgt Ion: 101 Resp: 2654

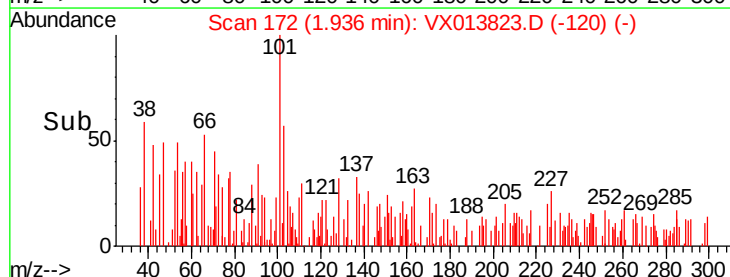
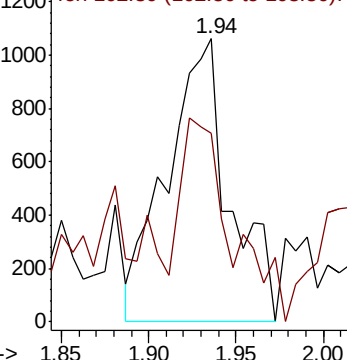
Ion Ratio Lower Upper

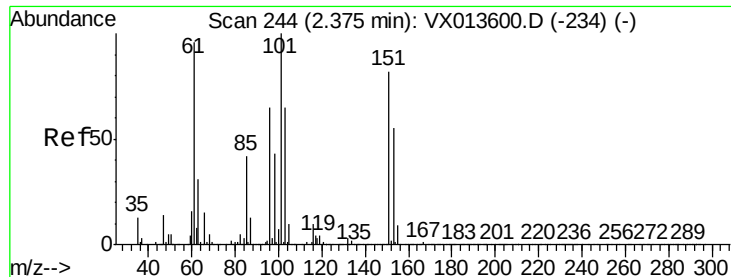
101 100

103 44.2 51.8 77.6#



Abundance Ion 100.90 (100.60 to 101.60): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 187.901 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191205

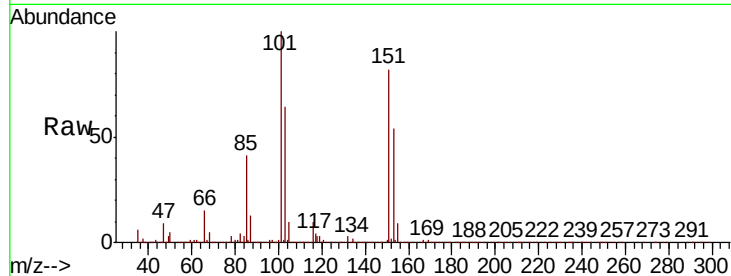
Tot Ion:101 Resp: 1116429

Ion Ratio Lower Upper

101 100

85 41.7 33.9 50.9

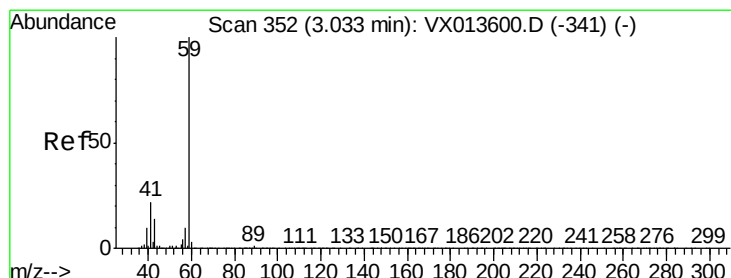
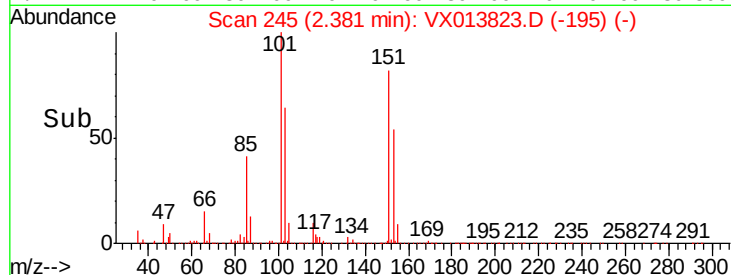
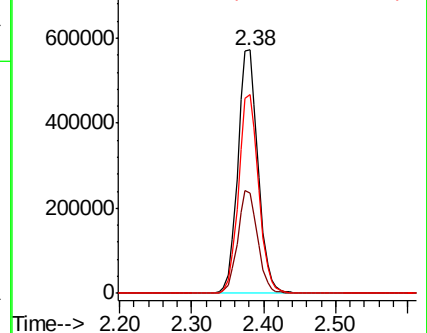
151 81.0 64.2 96.2



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: 0.640 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013823.D

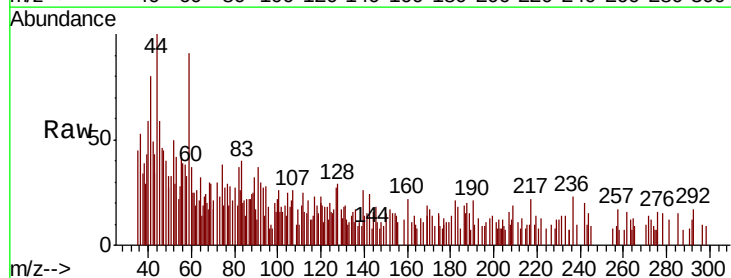
Acq: 07 Dec 2019 01:11

Tgt Ion: 59 Resp: 1143

Ion Ratio Lower Upper

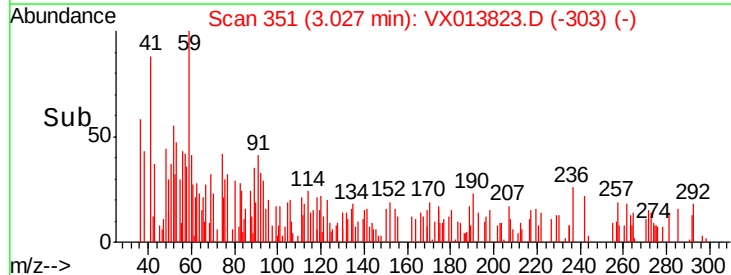
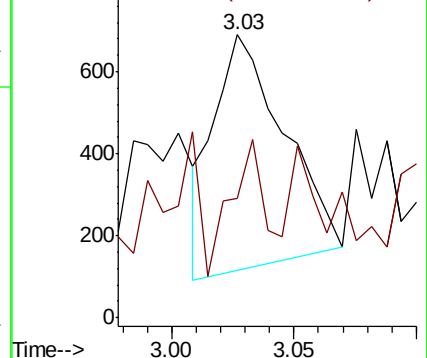
59 100

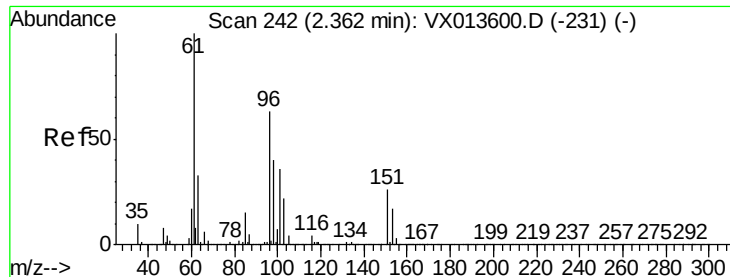
57 29.1 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 1.957 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191205

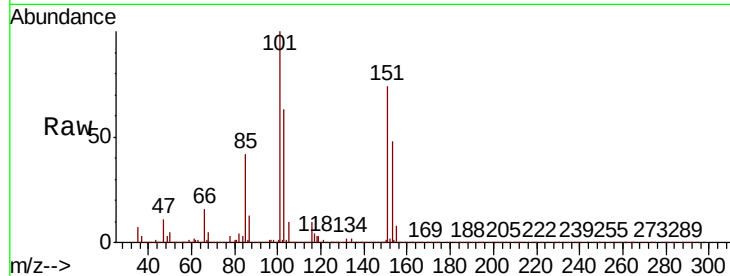
Tot Ion: 96 Resp: 11604

Ion Ratio Lower Upper

96 100

61 154.3 126.6 190.0

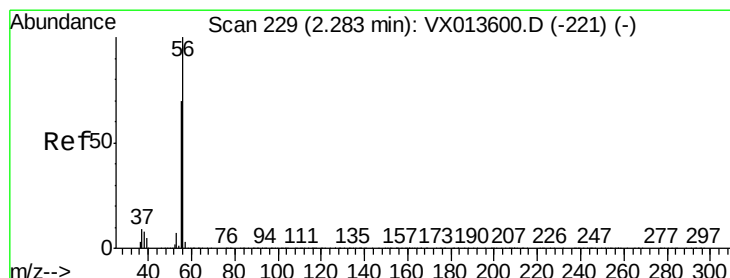
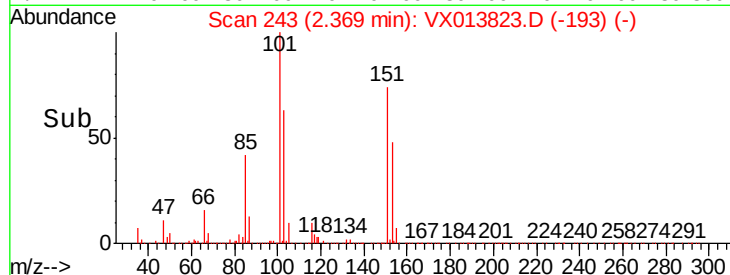
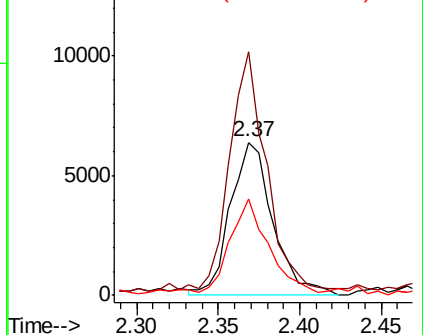
98 60.0 50.6 76.0



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: 6.316 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX013823.D

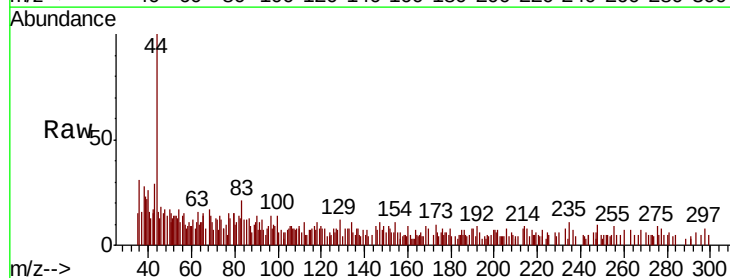
Acq: 07 Dec 2019 01:11

Tgt Ion: 56 Resp: 382

Ion Ratio Lower Upper

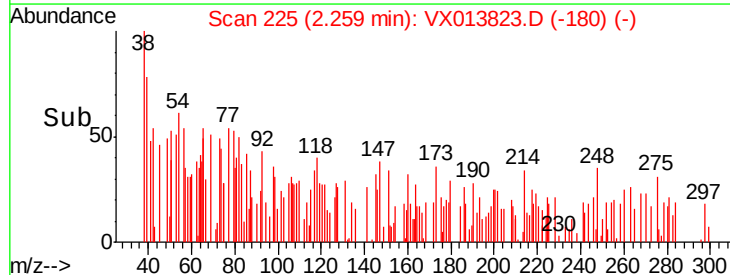
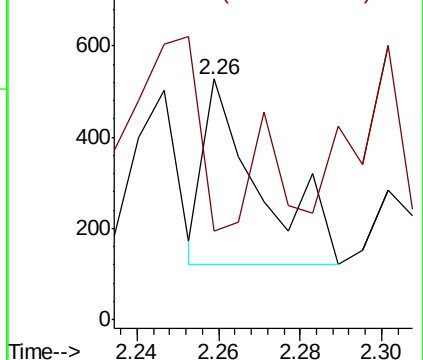
56 100

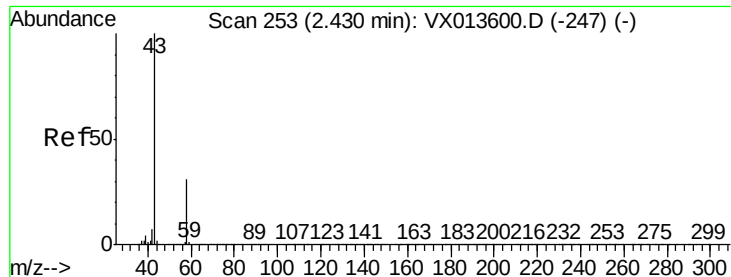
55 30.1 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

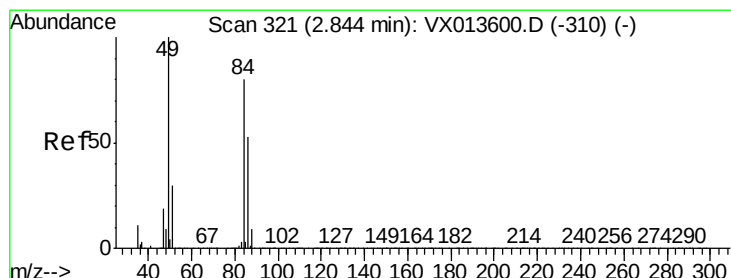
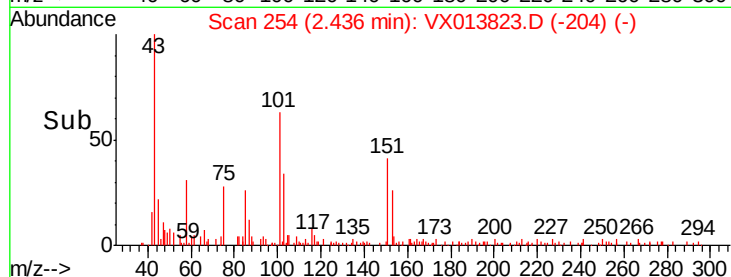
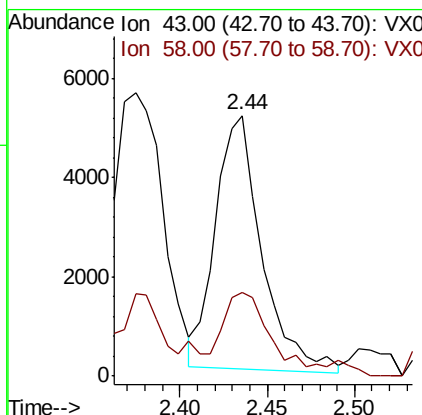
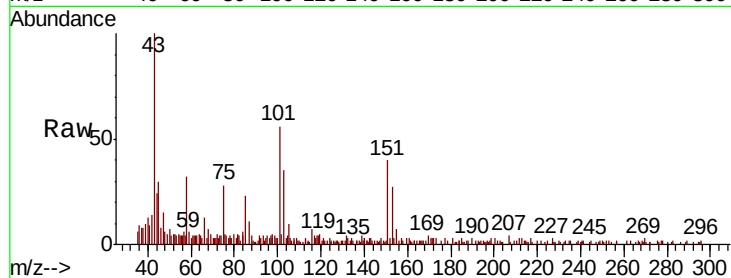




#16
Acetone
Concen: 2.625 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013823.D
Acq: 07 Dec 2019 01:11

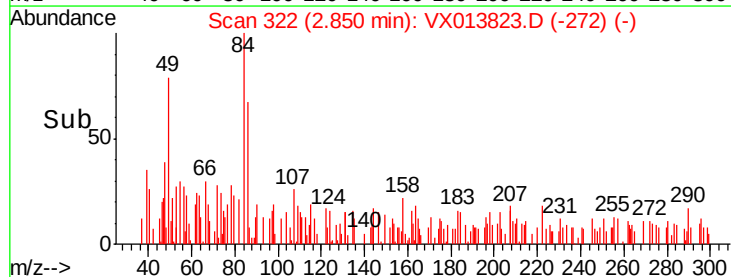
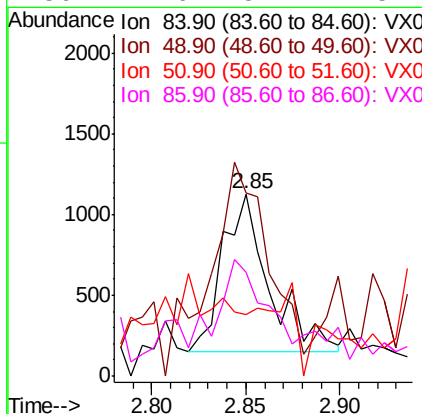
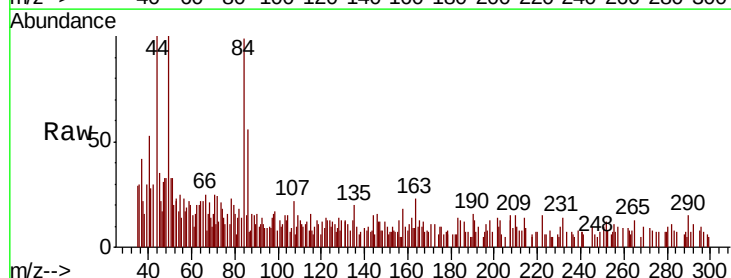
Instrument :
MSVOA_X
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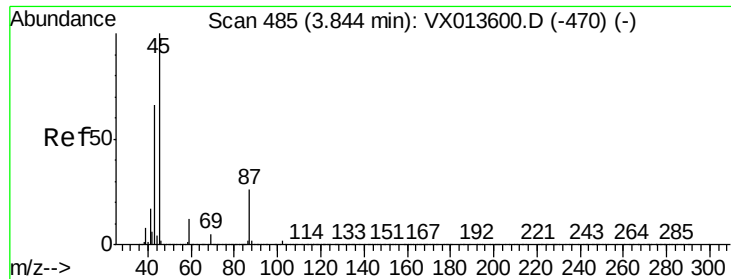
Tot Ion: 43 Resp: 9376
Ion Ratio Lower Upper
43 100
58 27.5 24.6 36.8



#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013823.D
Acq: 07 Dec 2019 01:11

Tgt Ion: 84 Resp: 1679
Ion Ratio Lower Upper
84 100
49 80.1 99.7 149.5#
51 15.0 29.9 44.9#
86 47.6 52.2 78.4#





#22

Diisopropyl ether

Concen: 0.221 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191205

Tot Ion: 45 Resp: 4578

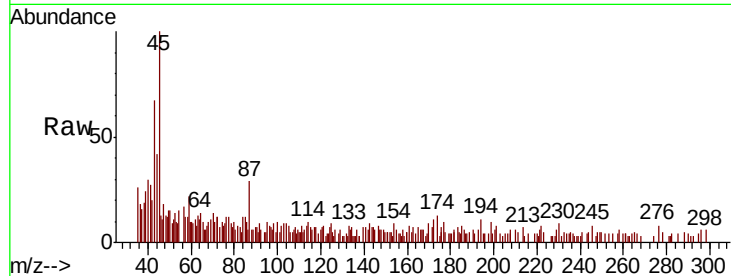
Ion Ratio Lower Upper

45 100

43 55.3 52.6 79.0

87 27.5 21.1 31.7

59 29.6 9.2 13.8#

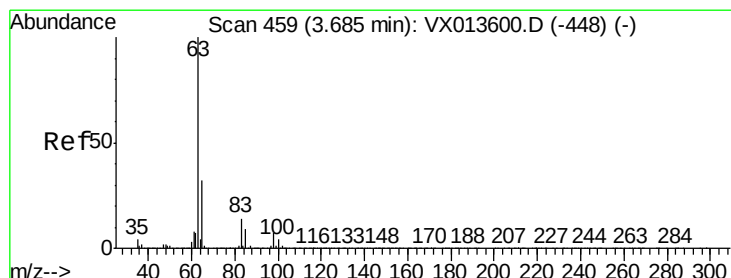
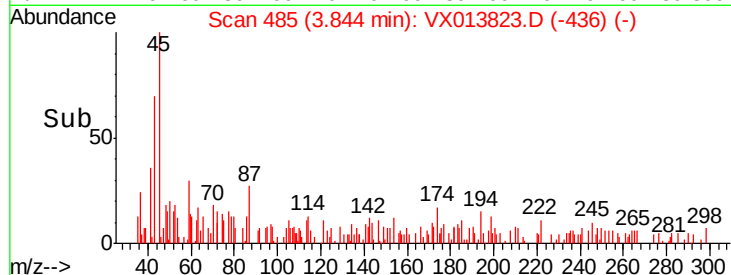
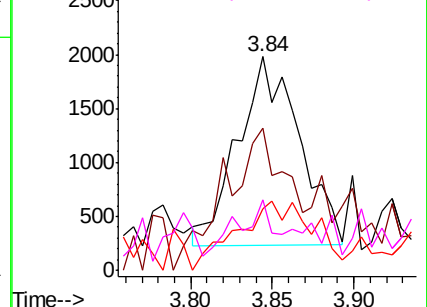


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#24

1,1-Dichloroethane

Concen: 0.282 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

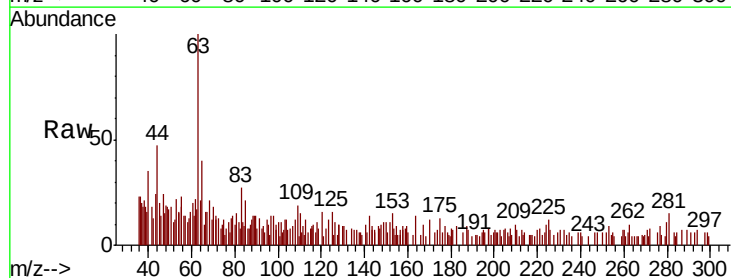
Tgt Ion: 63 Resp: 3199

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

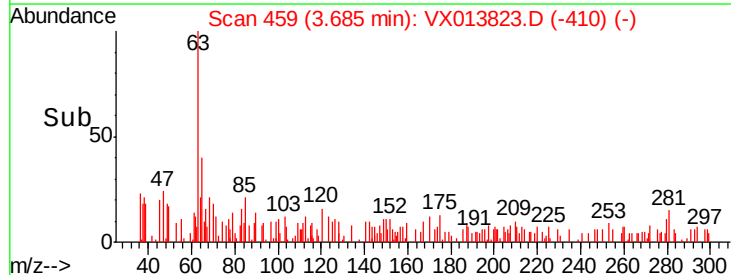
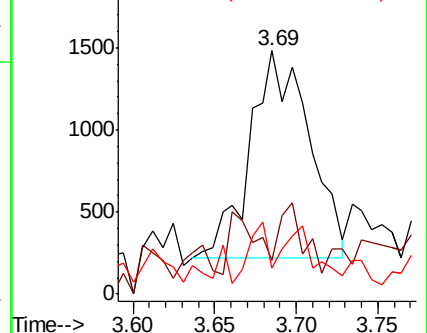
100 3.9 2.1 6.3

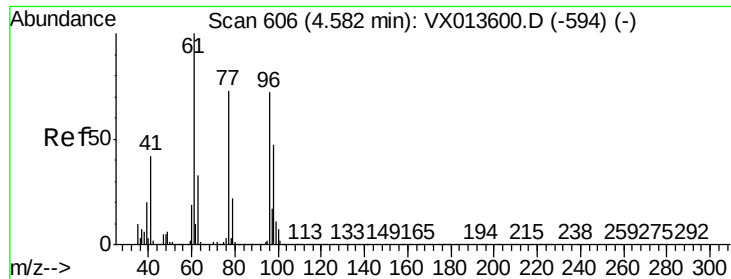


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

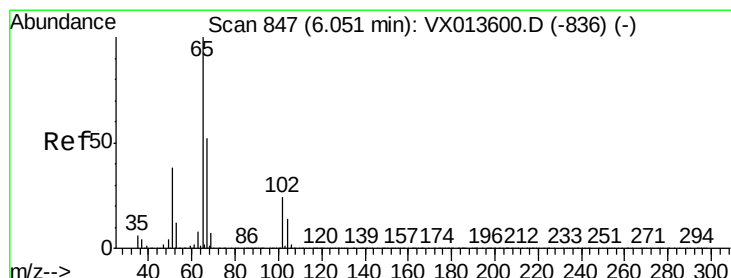
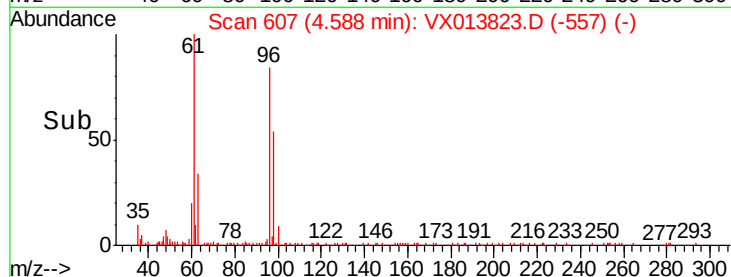
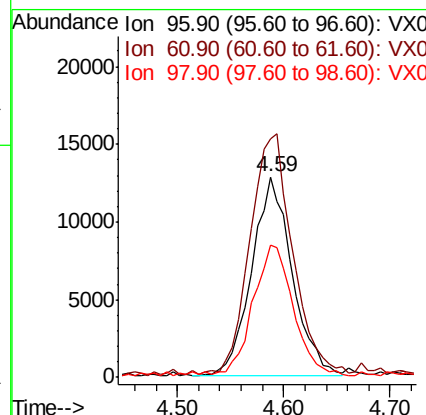
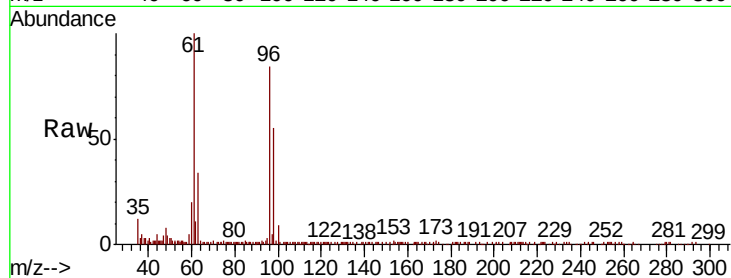




#27
 cis-1,2-Dichloroethene
 Concen: 4.617 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX013823.D
 Acq: 07 Dec 2019 01:11

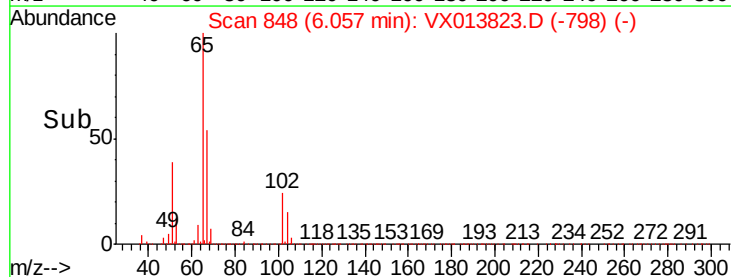
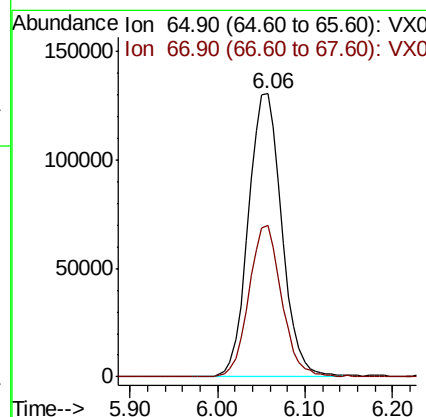
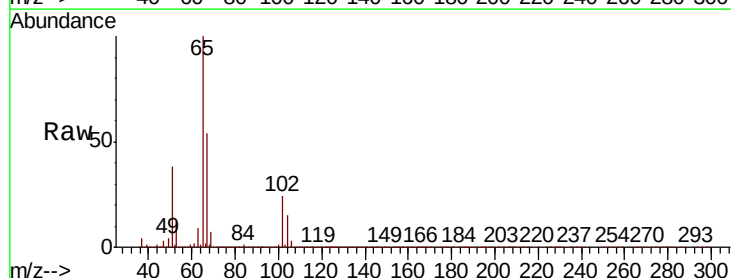
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20191205

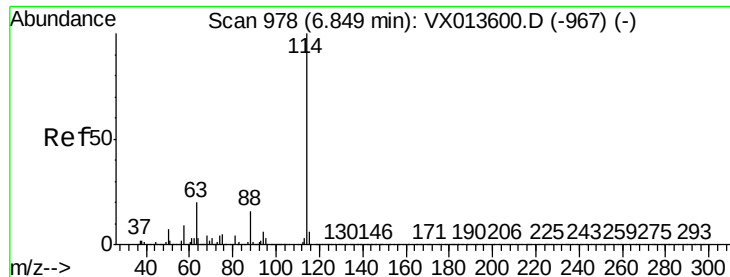
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.3	0.0	286.4
98	65.5	0.0	127.4



#33
 1,2-Dichloroethane-d4
 Concen: 47.843 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013823.D
 Acq: 07 Dec 2019 01:11

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191205

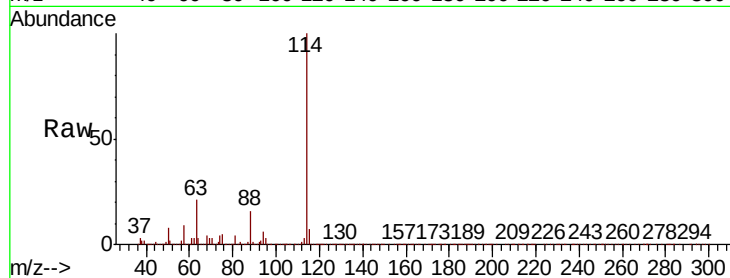
Tot Ion:114 Resp: 955534

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.6

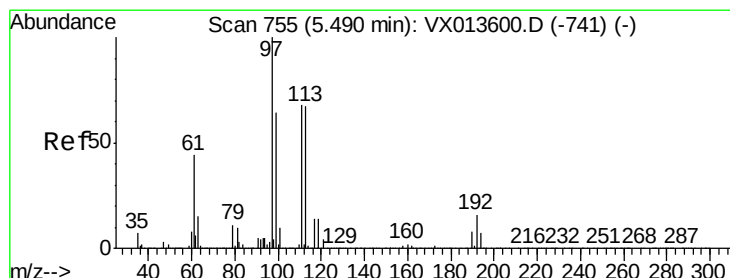
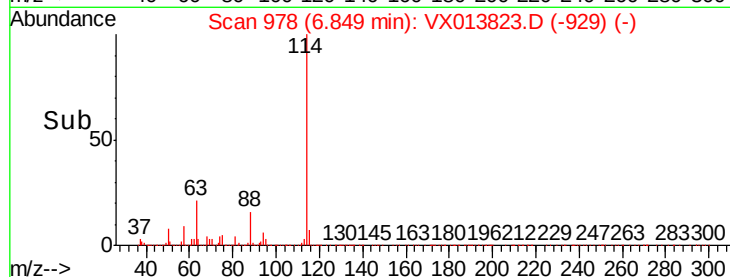
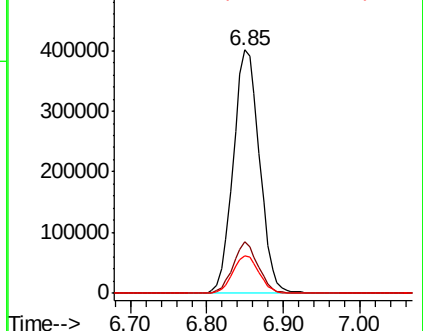
88 15.6 0.0 31.4



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: 48.037 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

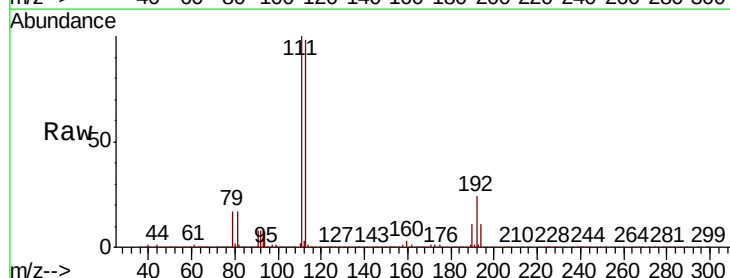
Tgt Ion:113 Resp: 283768

Ion Ratio Lower Upper

113 100

111 101.8 83.6 125.4

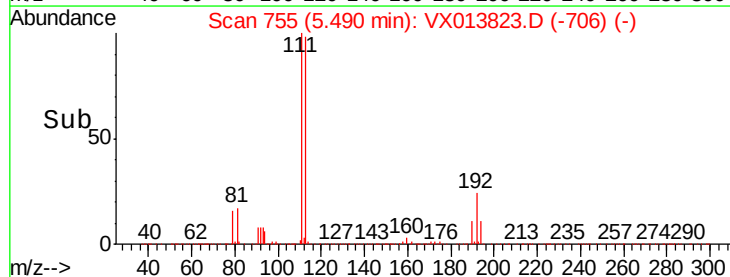
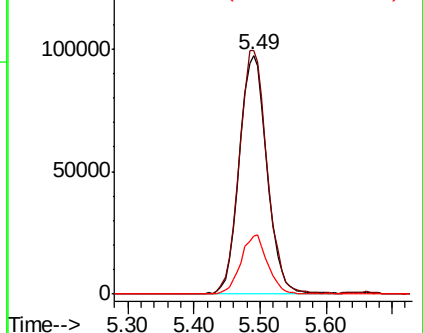
192 24.0 19.2 28.8

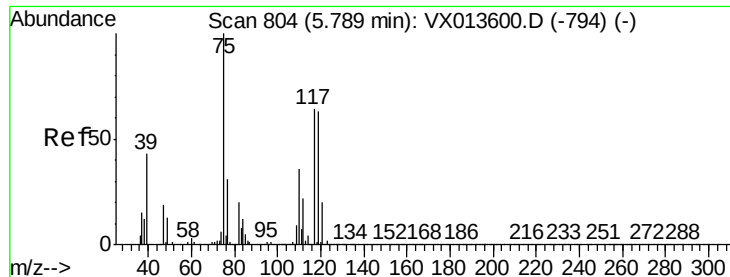


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.986 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191205

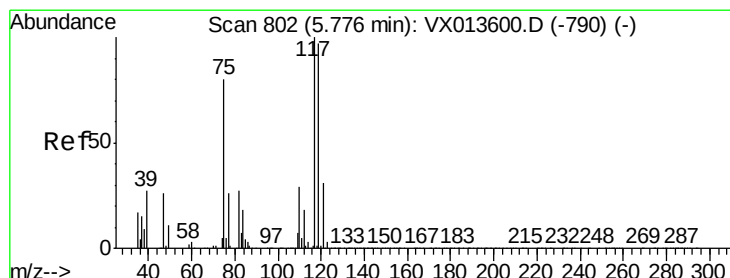
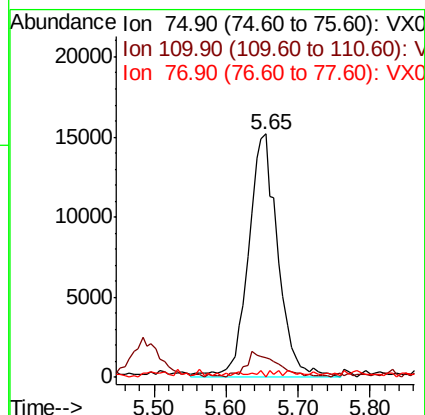
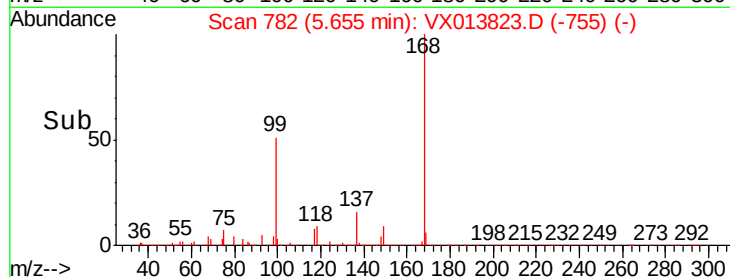
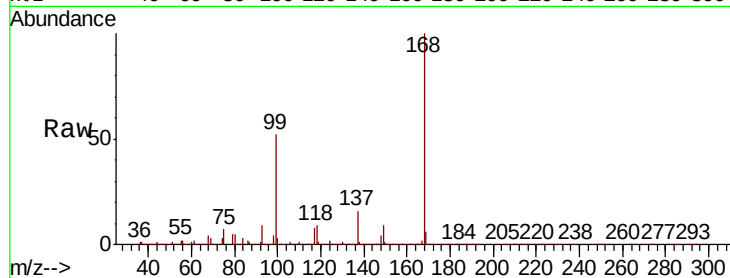
Tot Ion: 75 Resp: 43249

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 1.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 0.305 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.00 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

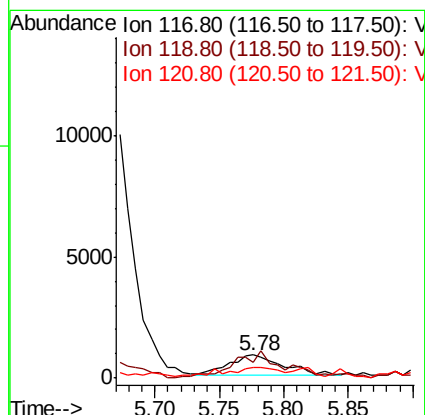
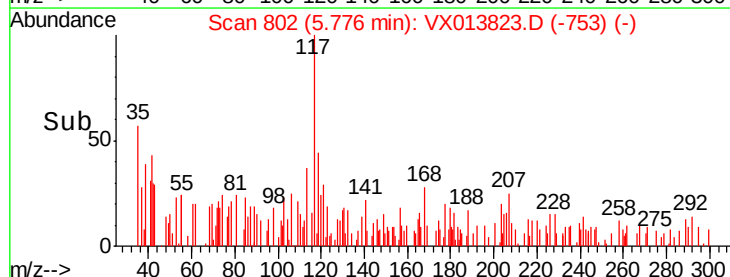
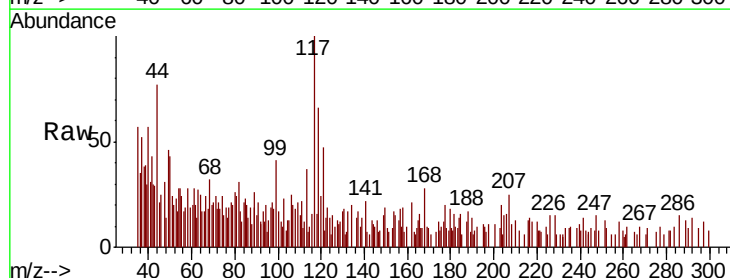
Tgt Ion: 117 Resp: 2438

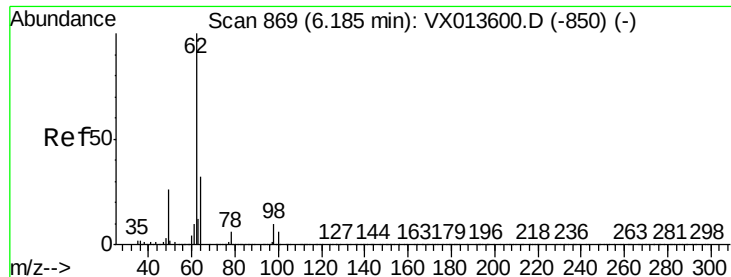
Ion Ratio Lower Upper

117 100

119 64.7 77.5 116.3#

121 25.9 25.0 37.6

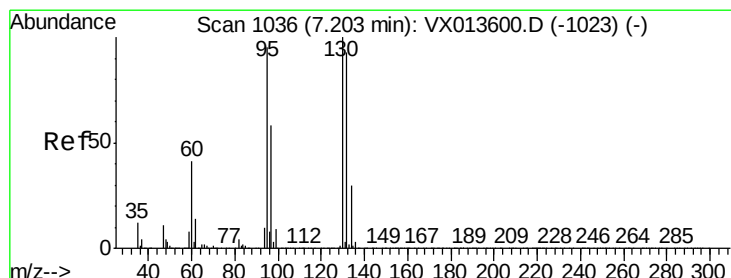
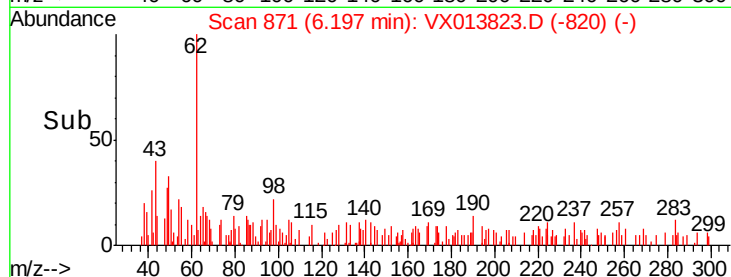
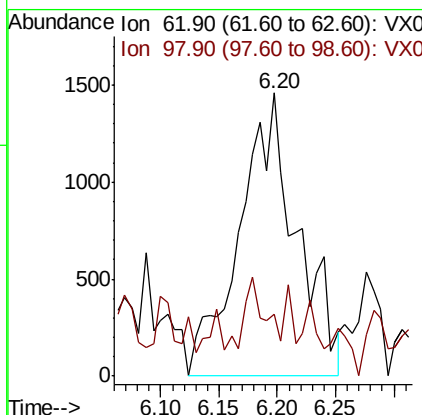
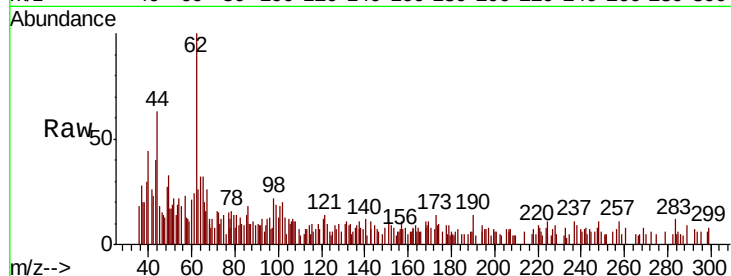




#42
1,2-Dichloroethane
Concen: 0.556 ug/l
RT: 6.20 min Scan# 871
Delta R.T. 0.01 min
Lab File: VX013823.D
Acq: 07 Dec 2019 01:11

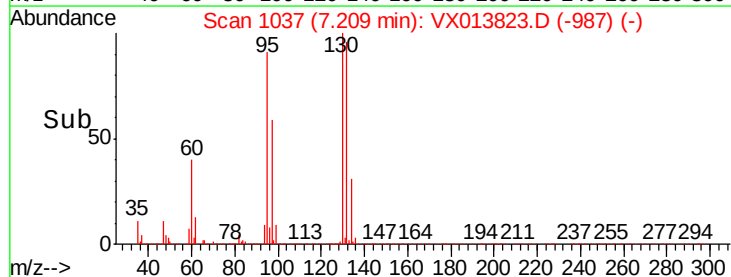
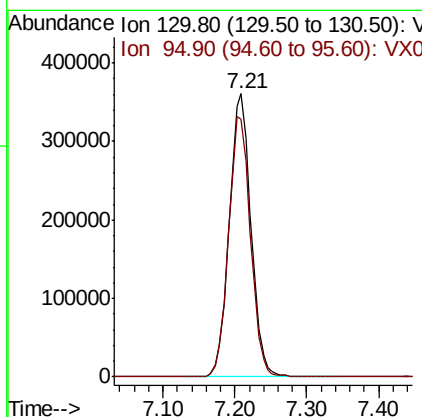
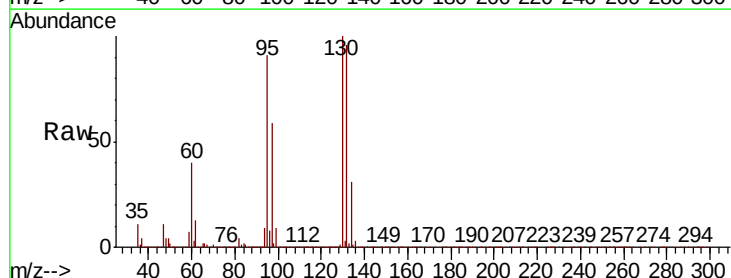
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191205

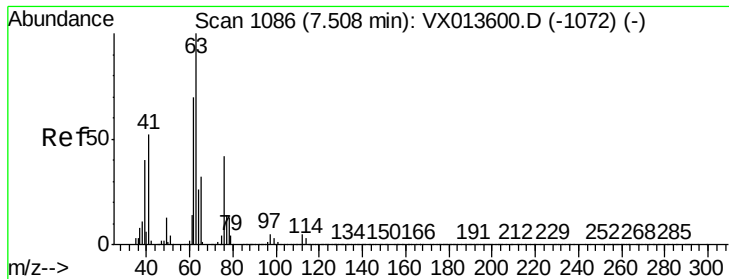
Tot Ion: 62 Resp: 5011
Ion Ratio Lower Upper
62 100
98 6.6 0.0 20.8



#44
Trichloroethene
Concen: 104.359 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX013823.D
Acq: 07 Dec 2019 01:11

Tgt Ion:130 Resp: 756632
Ion Ratio Lower Upper
130 100
95 90.9 0.0 190.8





#45

1,2-Dichloropropane

Concen: 0.218 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

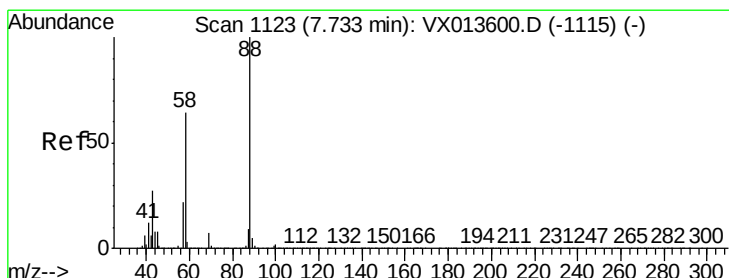
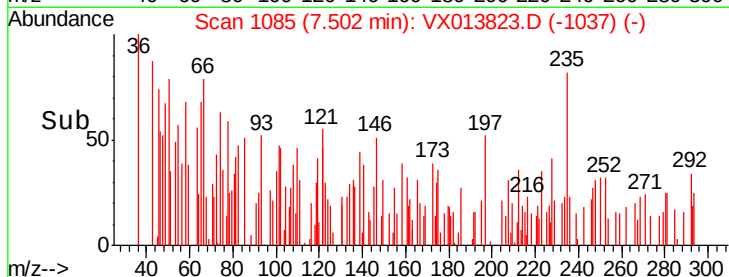
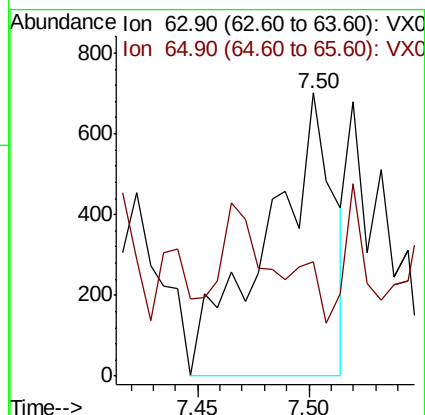
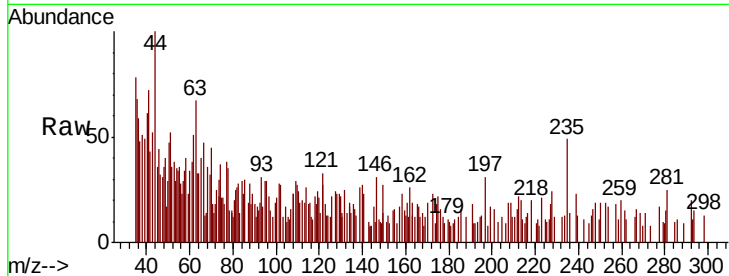
RE131D2-20191205

Tot Ion: 63 Resp: 1440

Ion Ratio Lower Upper

63 100

65 12.8 25.5 38.3#



#49

1,4-Dioxane

Concen: 25.903 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

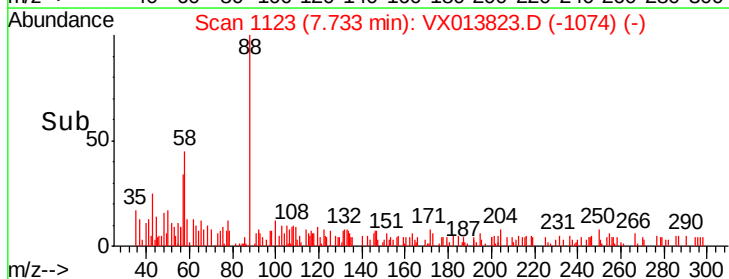
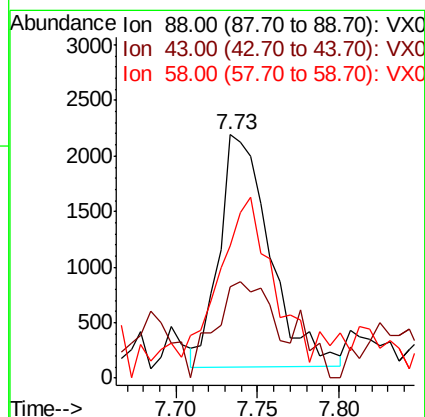
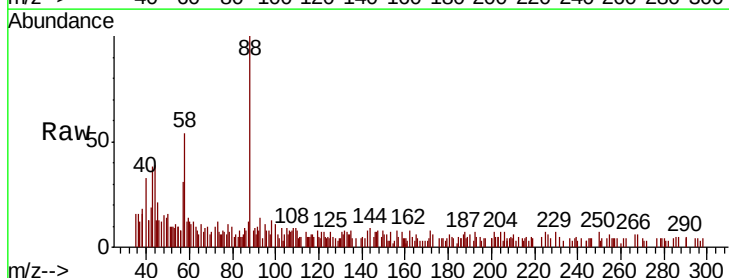
Tgt Ion: 88 Resp: 4513

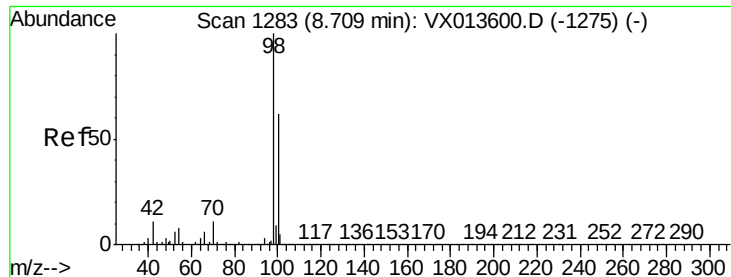
Ion Ratio Lower Upper

88 100

43 47.7 25.8 38.6#

58 75.6 54.6 82.0





#50

Toluene-d8

Concen: 48.987 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

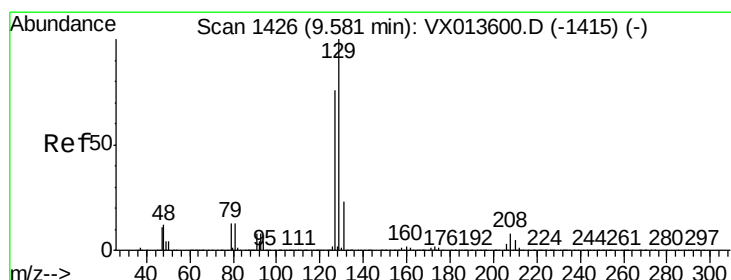
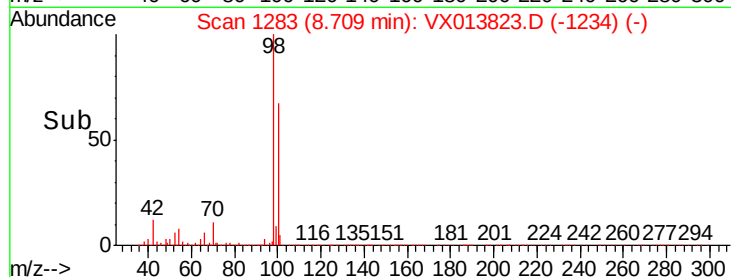
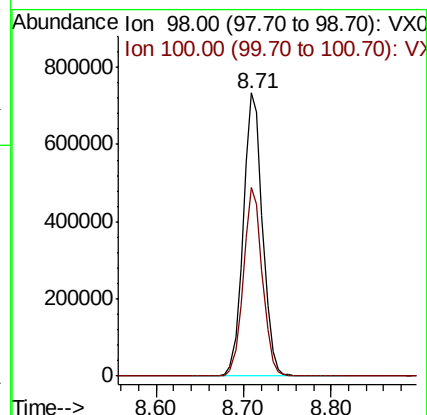
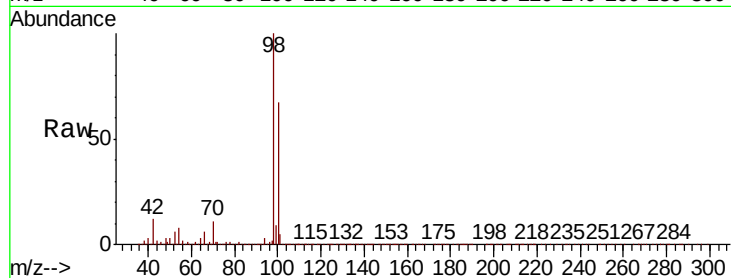
RE131D2-20191205

Tot Ion: 98 Resp: 1127446

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



#60

Dibromochloromethane

Concen: 11.179 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX013823.D

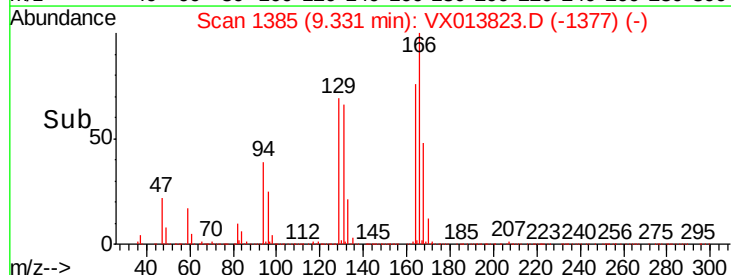
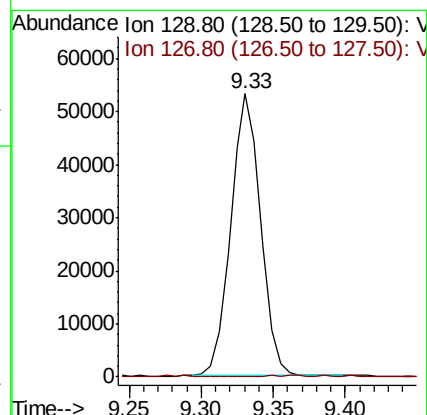
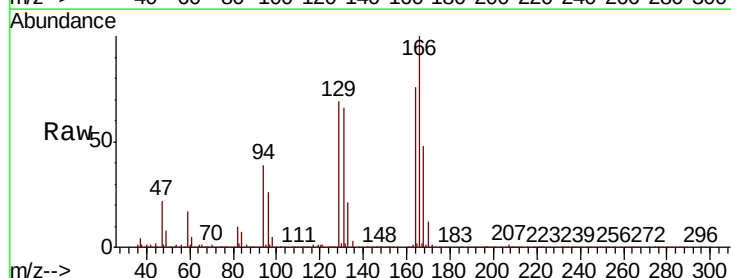
Acq: 07 Dec 2019 01:11

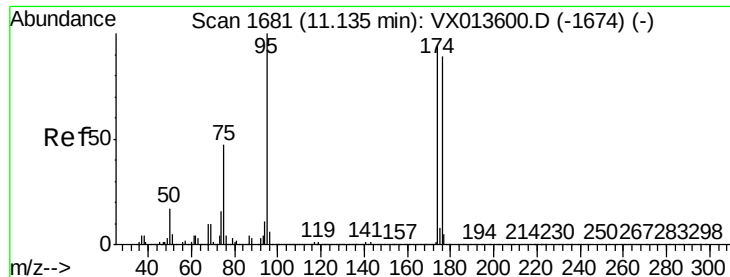
Tgt Ion: 129 Resp: 76726

Ion Ratio Lower Upper

129 100

127 0.3 38.5 115.5#

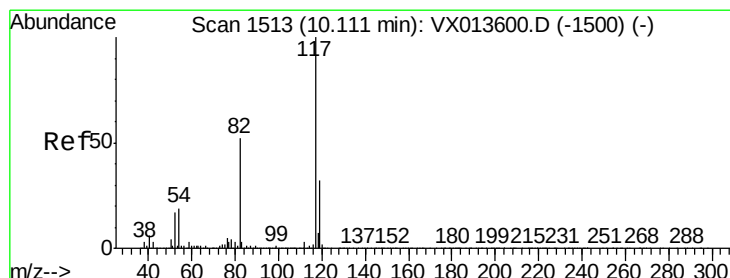
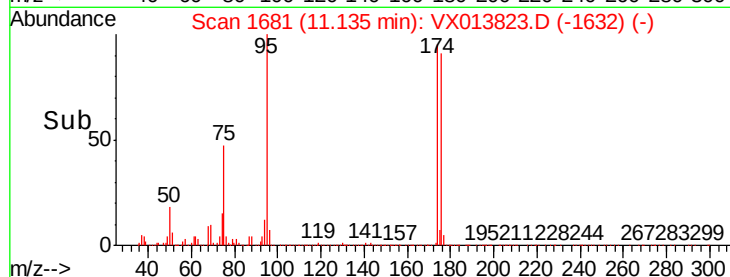
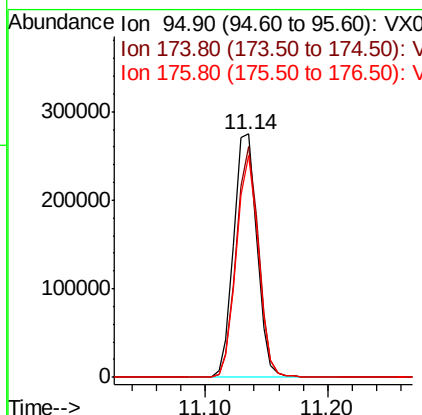
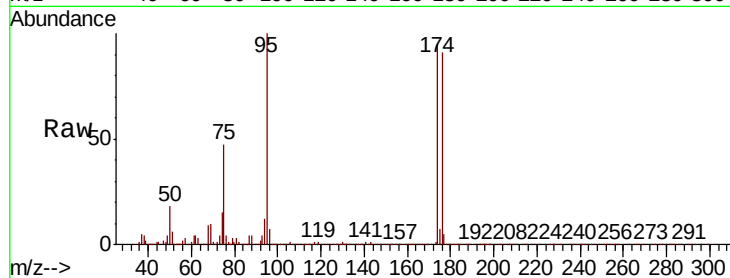




#62
4-Bromofluorobenzene
Concen: 43.502 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013823.D
Acq: 07 Dec 2019 01:11

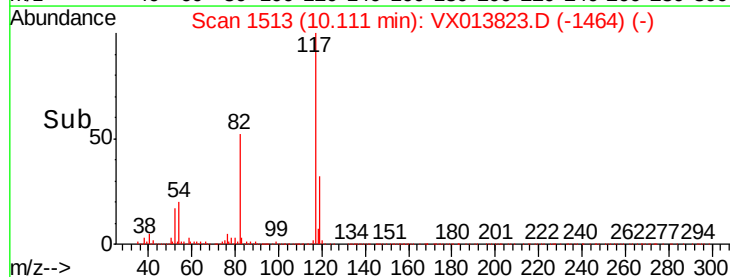
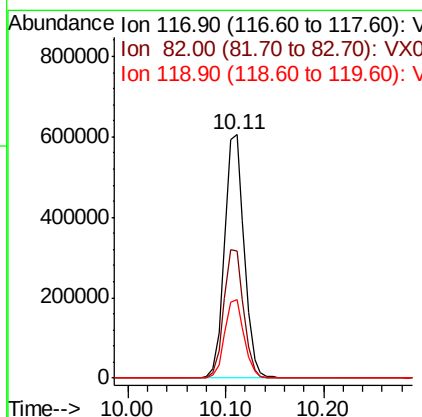
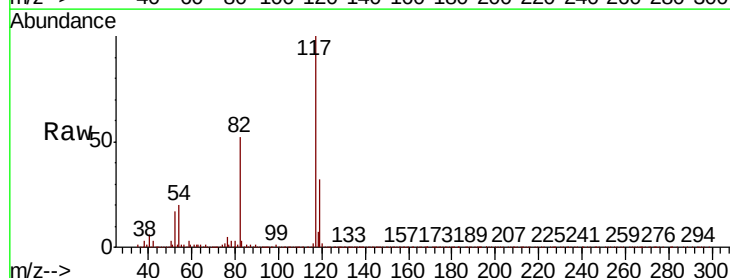
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191205

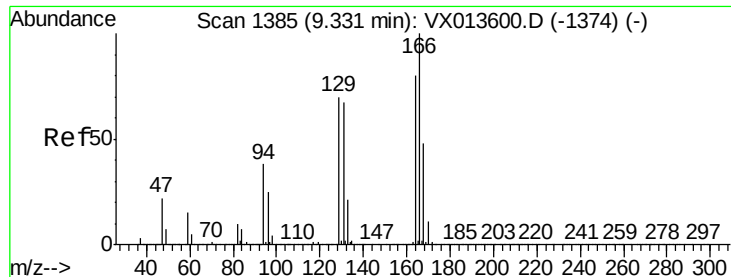
Tot Ion: 95 Resp: 361038
Ion Ratio Lower Upper
95 100
174 90.7 0.0 180.0
176 86.9 0.0 173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013823.D
Acq: 07 Dec 2019 01:11

Tgt Ion: 117 Resp: 840046
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 32.4 25.8 38.8

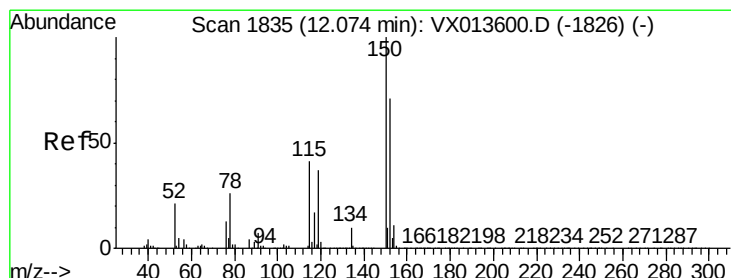
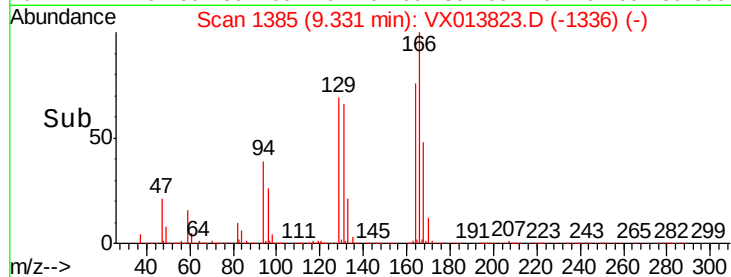
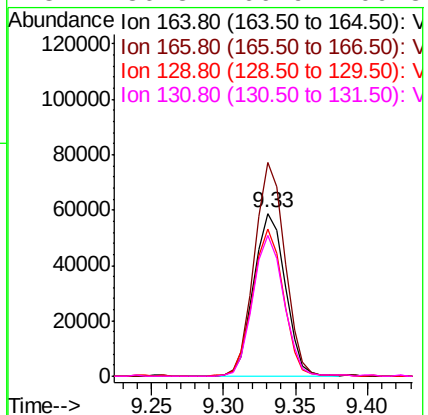
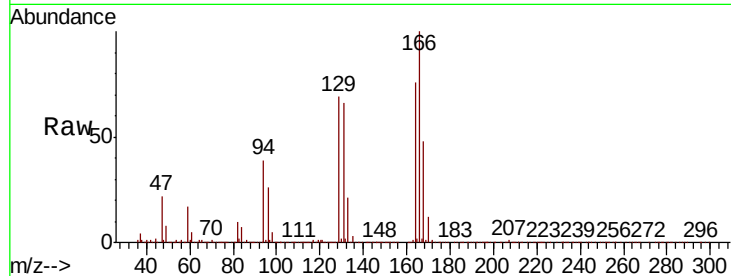




#64
Tetrachloroethene
Concen: 14.237 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013823.D
Acq: 07 Dec 2019 01:11

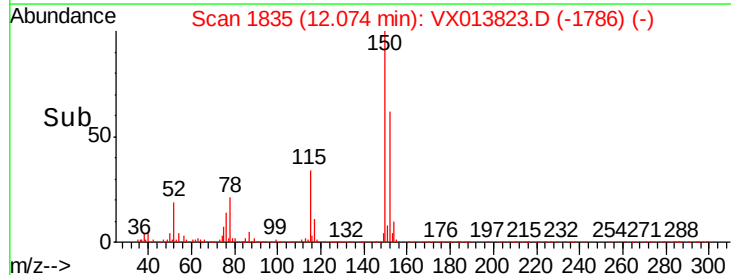
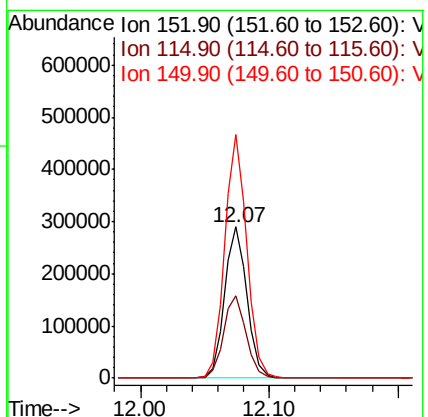
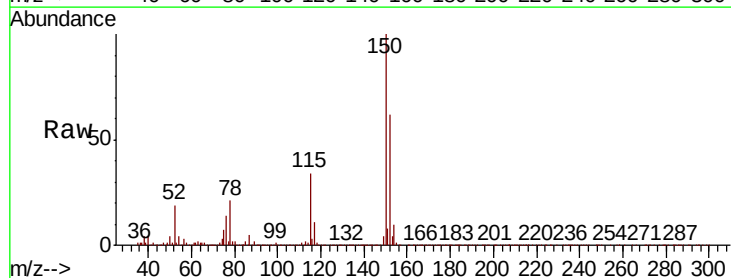
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191205

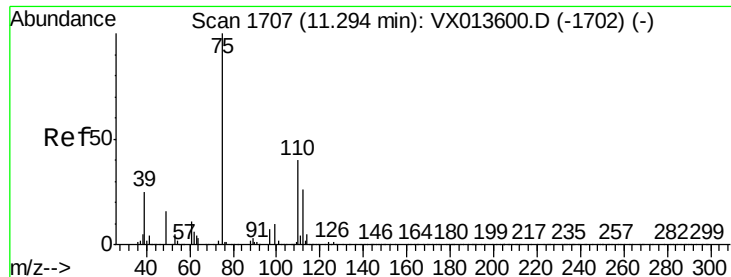
Tot Ion:164	Resp:	89187
Ion Ratio	Lower	Upper
164 100		
166 131.0	99.7	149.5
129 90.6	70.1	105.1
131 86.3	66.9	100.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013823.D
Acq: 07 Dec 2019 01:11

Tgt Ion:152	Resp:	354441
Ion Ratio	Lower	Upper
152 100		
115 55.1	38.4	115.1
150 158.9	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 22.510 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

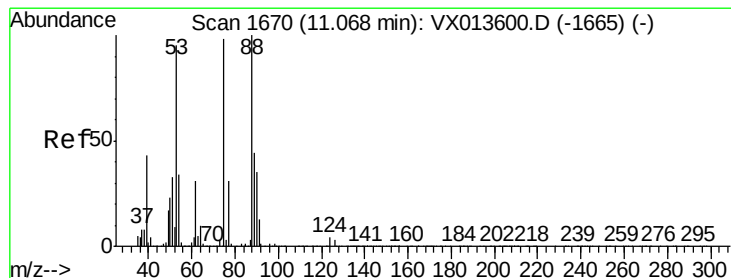
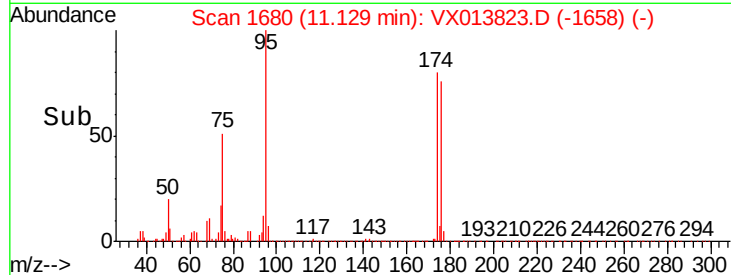
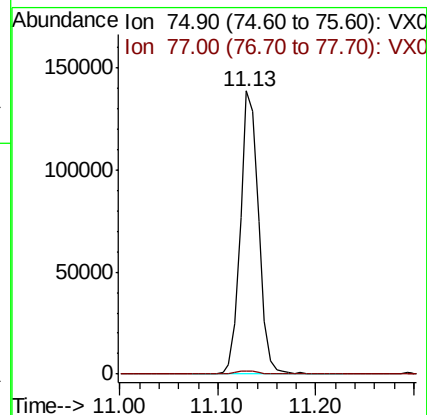
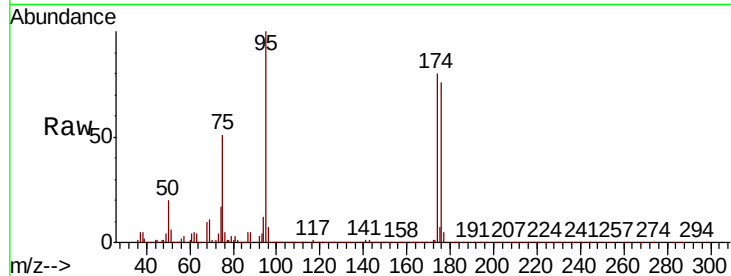
RE131D2-20191205

Tot Ion: 75 Resp: 179452

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.584 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013823.D

Acq: 07 Dec 2019 01:11

Tgt Ion: 75 Resp: 179452

Ion Ratio Lower Upper

75 100

53 0.6 78.2 117.2#

89 0.2 35.4 53.2#

