

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015267.D
 Acq On : 13 Mar 2020 17:58
 Operator : JC/SP
 Sample : L1903-11DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20200309DL

Quant Time: Mar 16 08:23:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	252985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	401027	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	391297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	199340	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	143887	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
35) Dibromofluoromethane	5.49	113	123568	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	8.71	98	490271	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.13	95	181555	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	

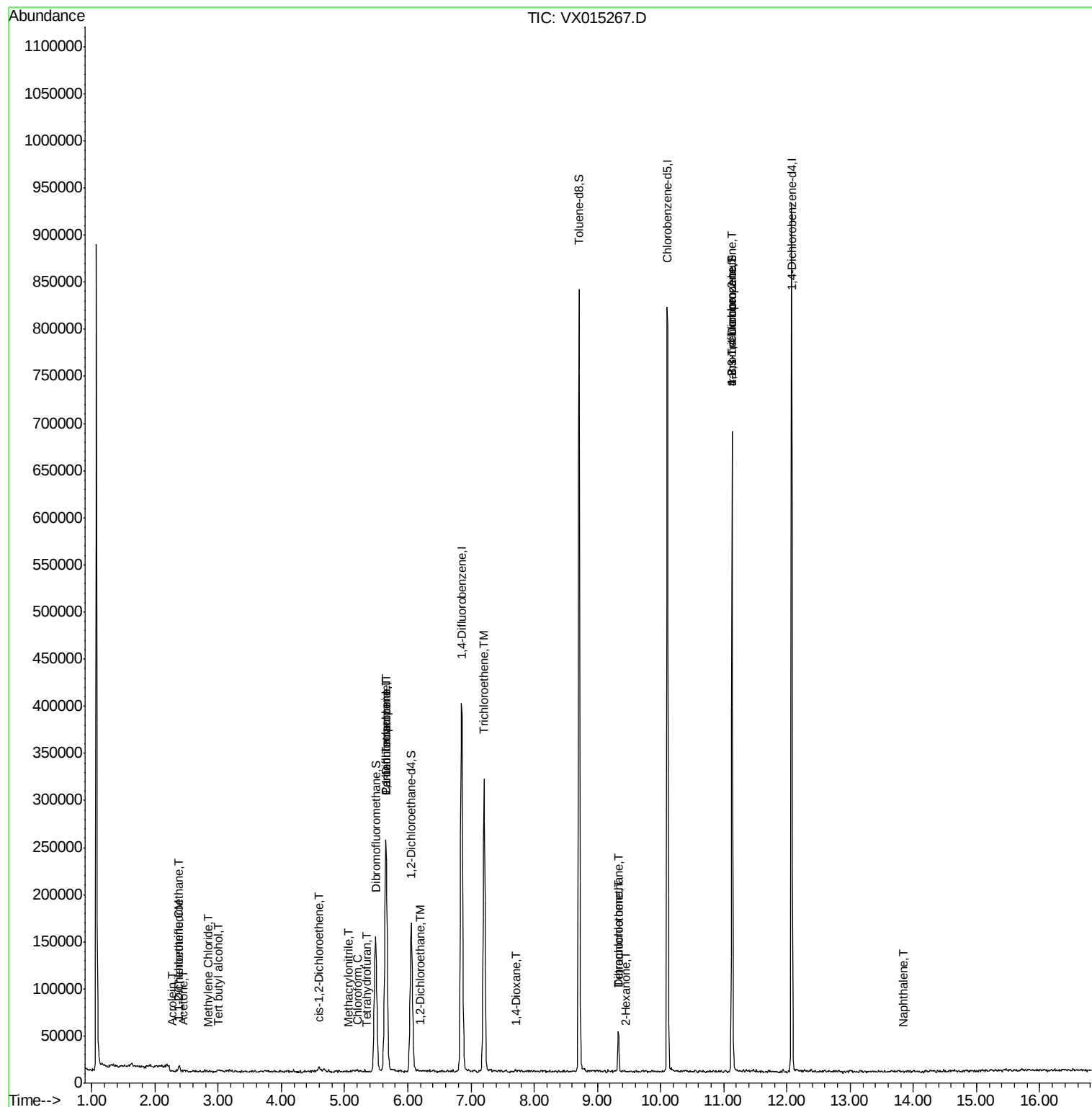
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2032	0.853	ug/l	90
11) Tert butyl alcohol	3.01	59	1766	3.391	ug/l	95
12) 1,1-Dichloroethene	2.37	96	851	0.346	ug/l #	45
13) Acrolein	2.28	56	292	0.597	ug/l	96
16) Acetone	2.45	43	1812	1.491	ug/l #	57
20) Methylene Chloride	2.85	84	843	0.296	ug/l #	82
27) cis-1,2-Dichloroethene	4.59	96	3191	1.084	ug/l	79
29) Tetrahydrofuran	5.34	42	531	0.463	ug/l	95
30) Chloroform	5.20	83	1624	0.352	ug/l #	64
36) 1,1-Dichloropropene	5.65	75	16727	4.512	ug/l #	51
38) Carbon Tetrachloride	5.65	117	22329	6.381	ug/l #	16
41) Methacrylonitrile	5.06	41	946	0.458	ug/l #	37
42) 1,2-Dichloroethane	6.19	62	1142	0.302	ug/l	93
44) Trichloroethene	7.21	130	123111	40.190	ug/l	95
49) 1,4-Dioxane	7.72	88	298	4.476	ug/l #	65
59) 2-Hexanone	9.45	43	882	0.333	ug/l	64
60) Dibromochloromethane	9.34	129	7727	2.657	ug/l #	11
64) Tetrachloroethene	9.33	164	8985	2.777	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	86162	21.669	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	86162	61.498	ug/l #	11
95) Naphthalene	13.84	128	372	1.447	ug/l #	88

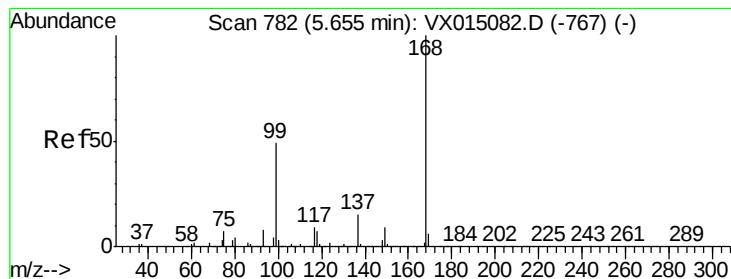
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

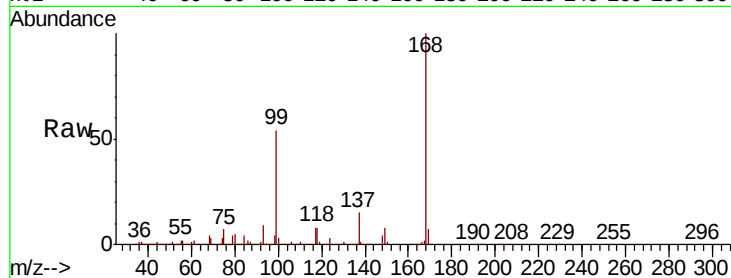
RE131D1-20200309DL

Tot Ion:168 Resp: 252985

Ion Ratio Lower Upper

168 100

99 53.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

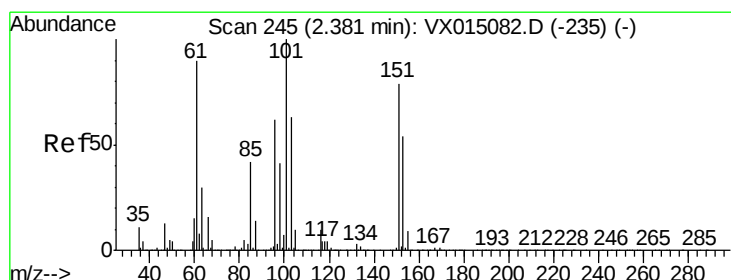
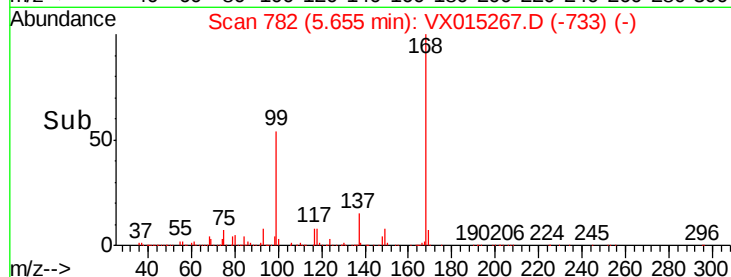
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.853 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

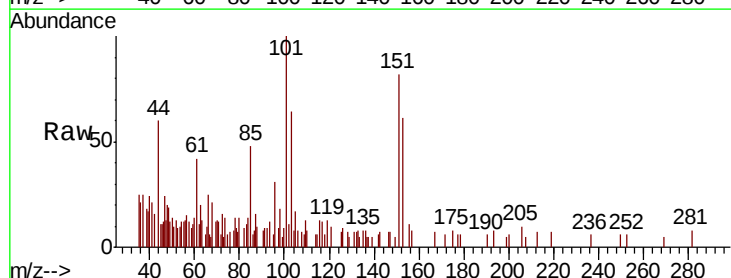
Tgt Ion:101 Resp: 2032

Ion Ratio Lower Upper

101 100

85 44.9 33.7 50.5

151 91.8 64.0 96.0



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

2.37

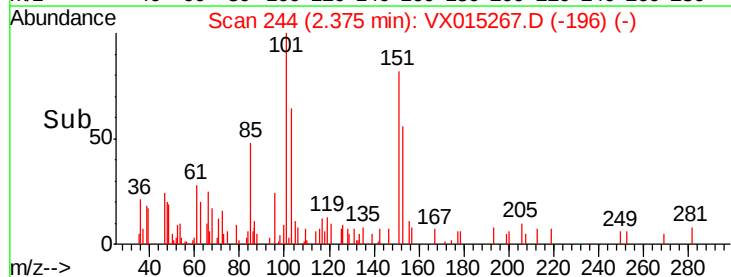
1000

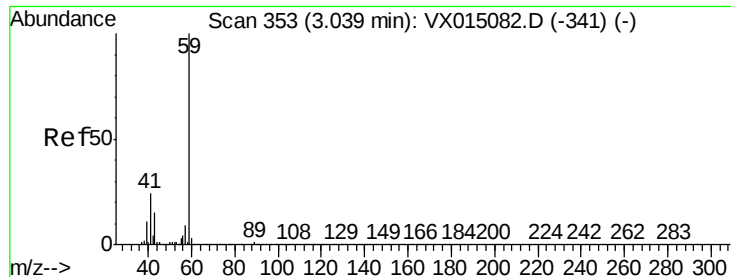
500

0

2.35 2.40 2.45

Time-->

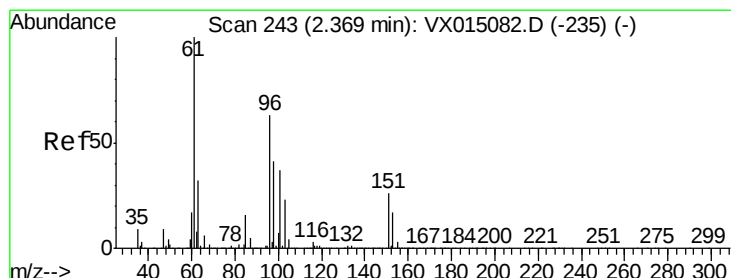
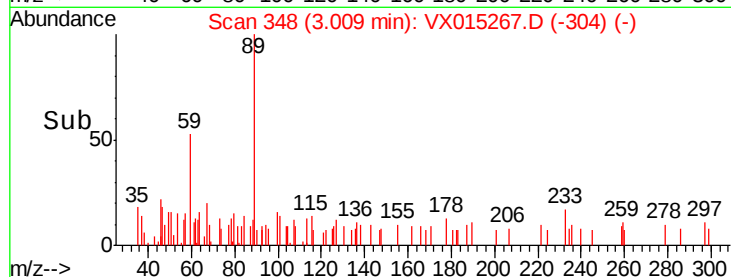
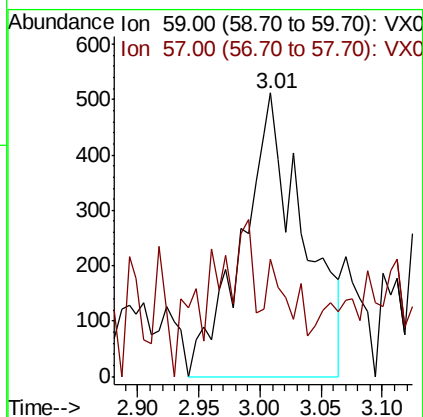
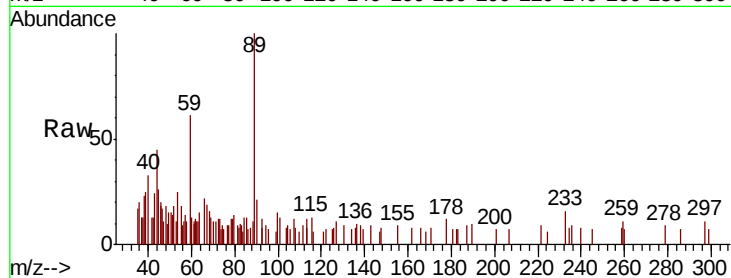




#11
Tert butyl alcohol
Concen: 3.391 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

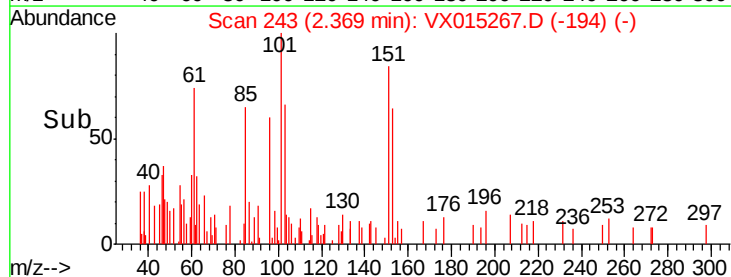
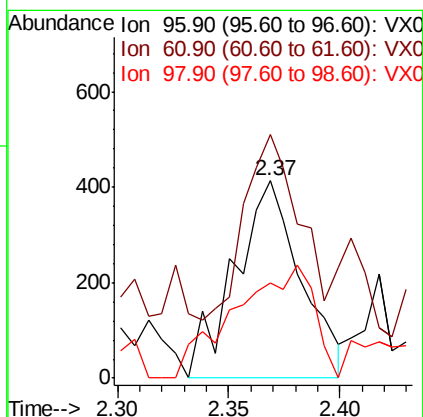
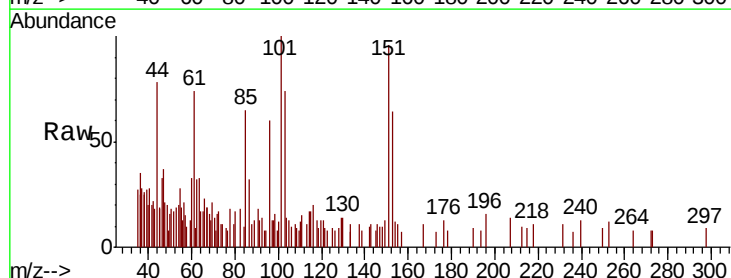
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309DL

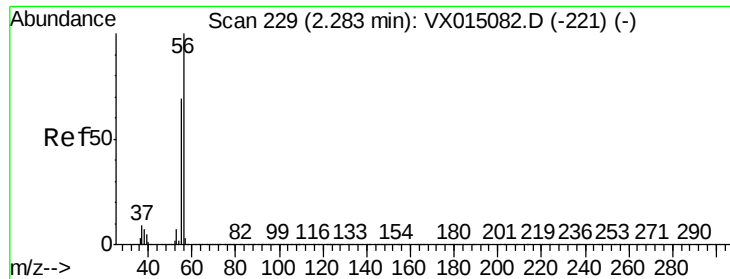
Tot Ion: 59 Resp: 1766
Ion Ratio Lower Upper
59 100
57 8.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 0.346 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

Tgt Ion: 96 Resp: 851
Ion Ratio Lower Upper
96 100
61 67.6 126.2 189.4#
98 48.4 51.4 77.0#

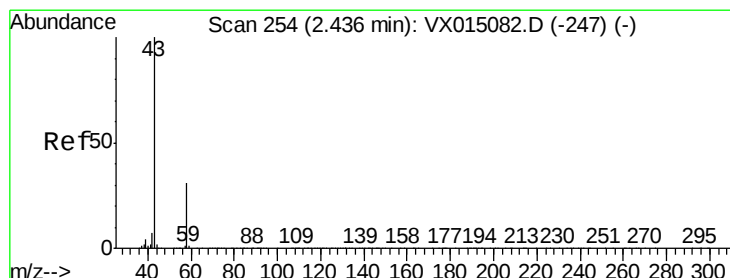
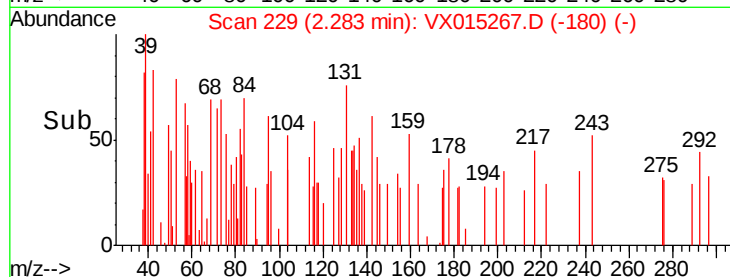
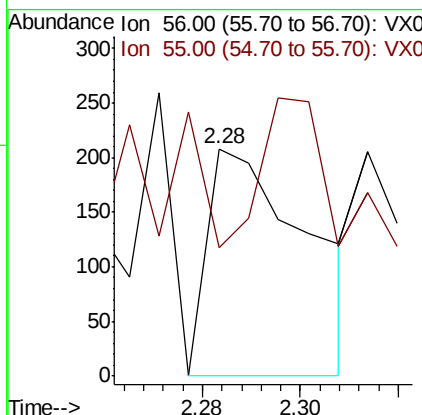
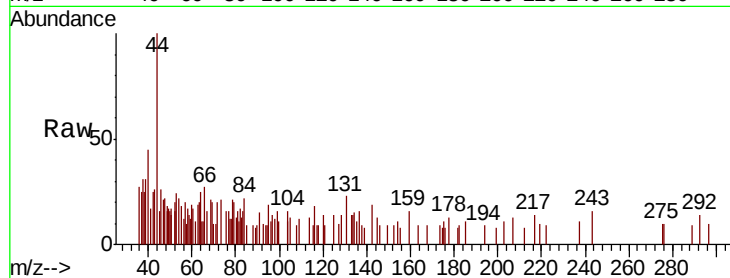




#13
Acrolein
Concen: 0.597 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

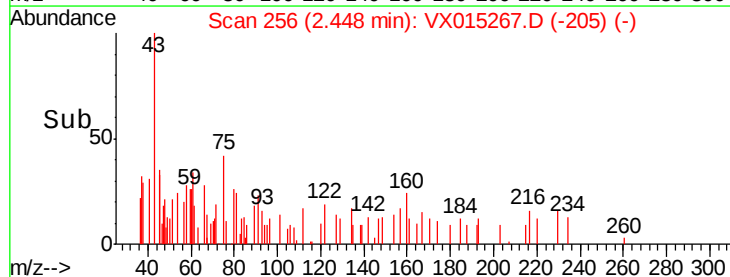
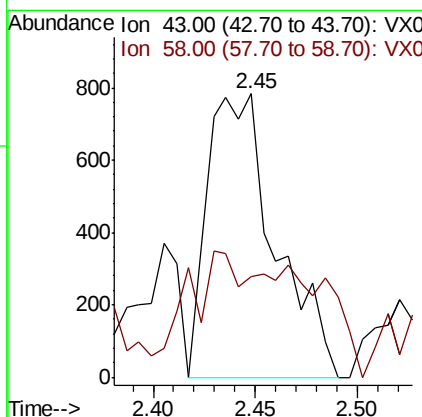
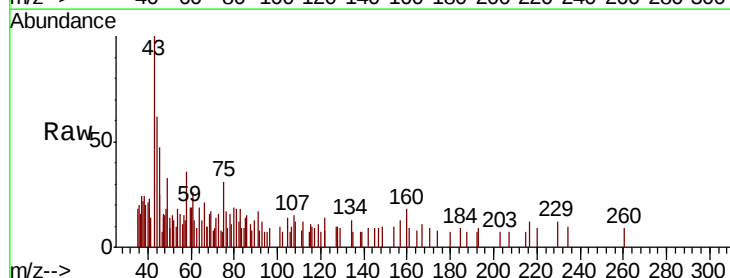
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309DL

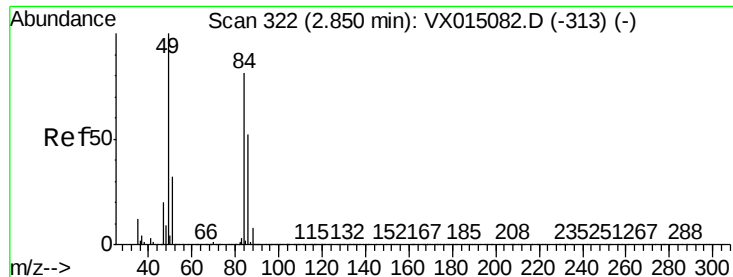
Tot Ion: 56 Resp: 292
Ion Ratio Lower Upper
56 100
55 66.1 55.4 83.0



#16
Acetone
Concen: 1.491 ug/l
RT: 2.45 min Scan# 256
Delta R.T. 0.01 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

Tgt Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
58 7.4 24.8 37.2#





#20

Methvlene Chloride

Concen: 0.296 ug/l

RT: 2.85 min Scan# 322

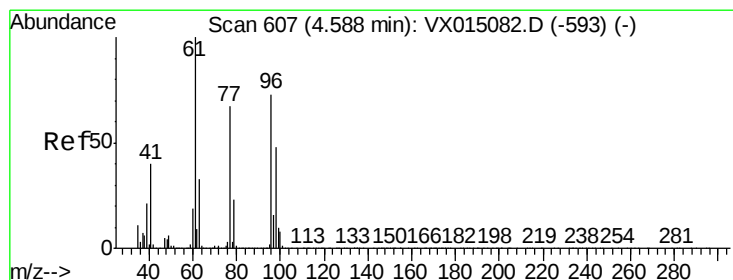
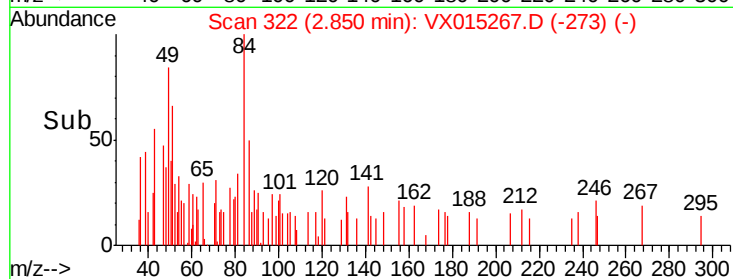
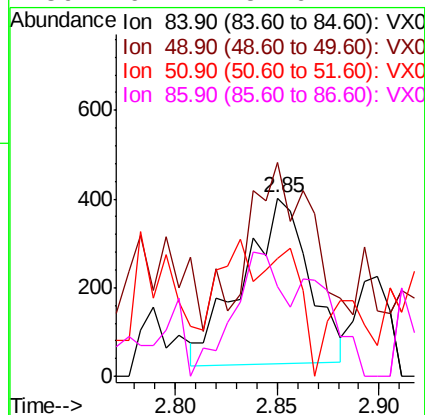
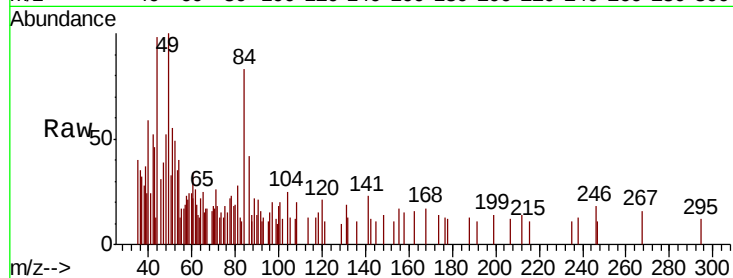
Delta R.T. 0.00 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309DL

Tot Ion:	84	Resp:	843
Ion	Ratio	Lower	Upper
84	100		
49	93.8	99.4	149.2#
51	46.8	31.5	47.3
86	62.2	51.6	77.4



#27

cis-1,2-Dichloroethene

Concen: 1.084 ug/l

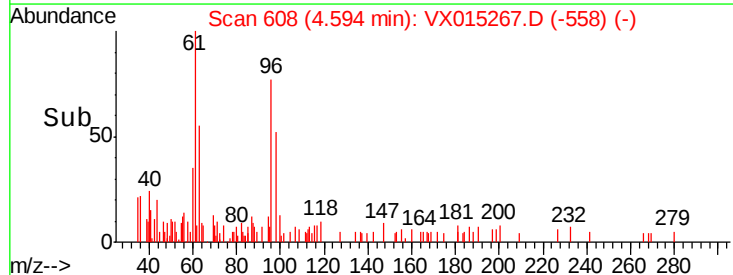
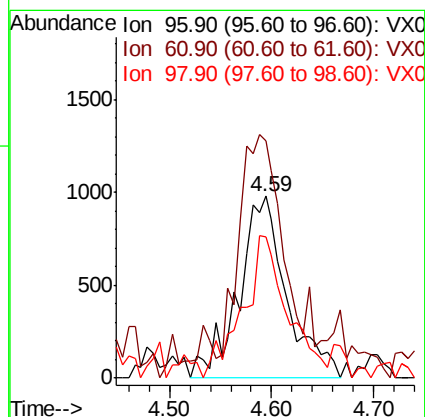
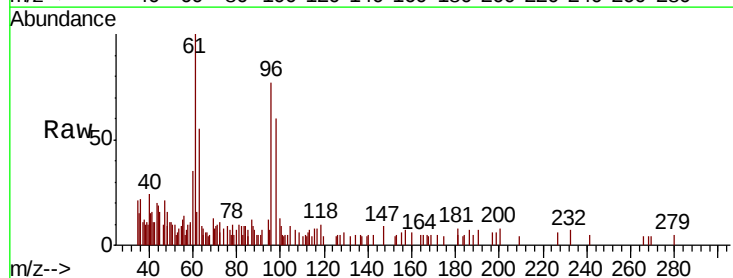
RT: 4.59 min Scan# 608

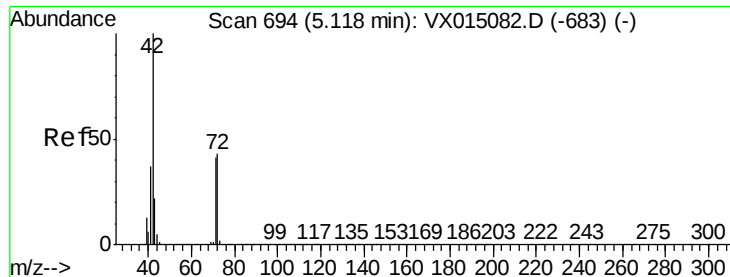
Delta R.T. 0.01 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

Tgt Ion:	96	Resp:	3191
Ion	Ratio	Lower	Upper
96	100		
61	112.6	0.0	286.8
98	73.4	0.0	128.4

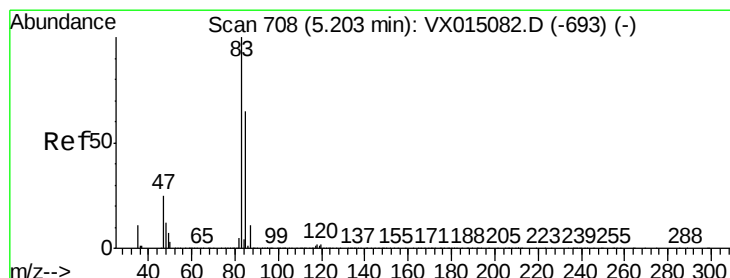
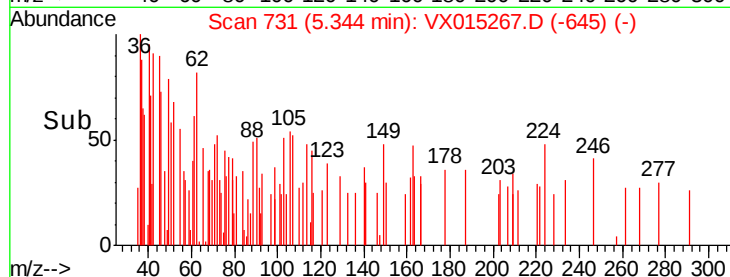
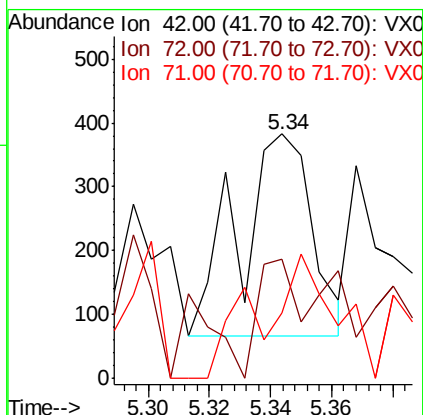
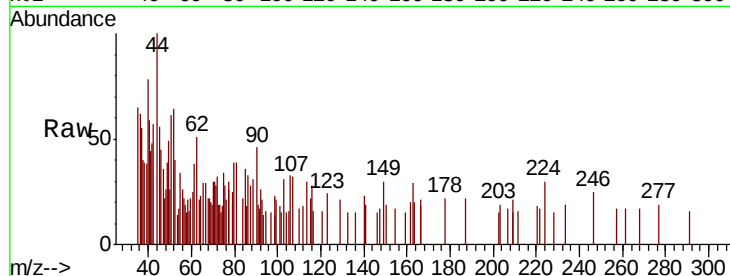




#29
Tetrahydrofuran
Concen: 0.463 ug/l
RT: 5.34 min Scan# 731
Delta R.T. 0.23 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

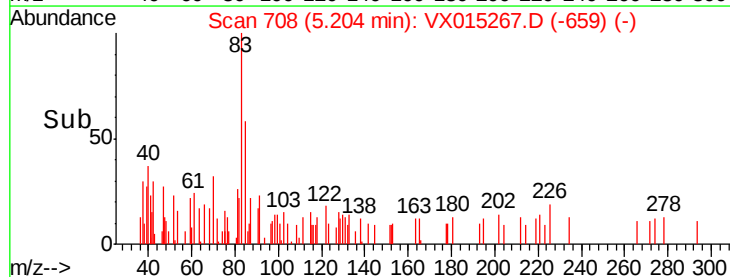
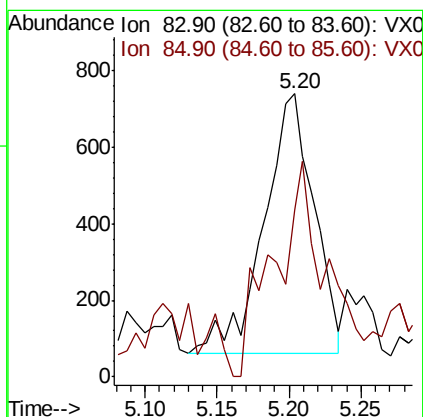
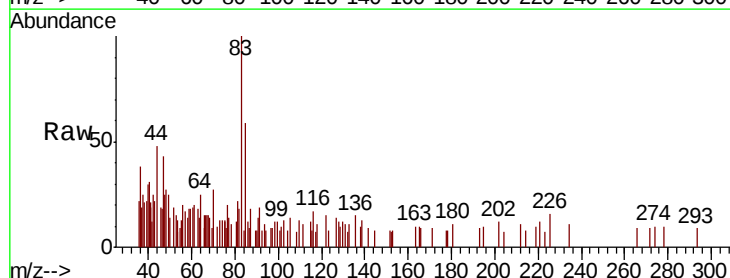
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309DL

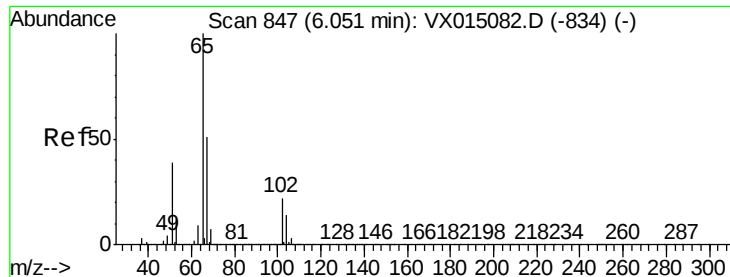
Tot Ion: 42 Resp: 531
Ion Ratio Lower Upper
42 100
72 40.1 36.4 54.6
71 42.9 33.3 49.9



#30
Chloroform
Concen: 0.352 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

Tgt Ion: 83 Resp: 1624
Ion Ratio Lower Upper
83 100
85 36.4 52.0 78.0#





#33

1,2-Dichloroethane-d4

Concen: 47.941 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

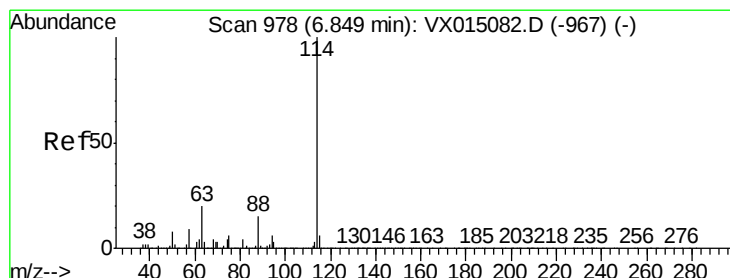
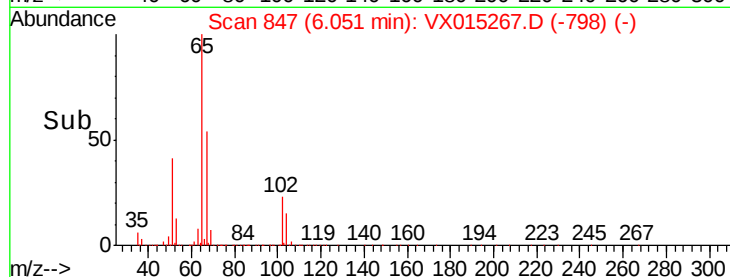
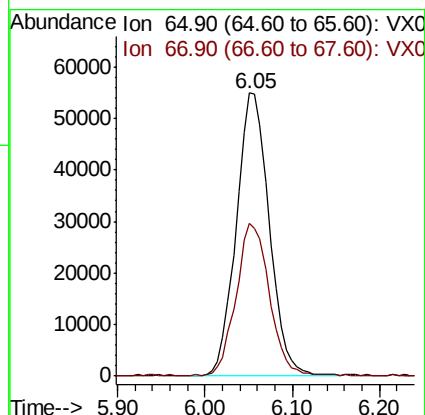
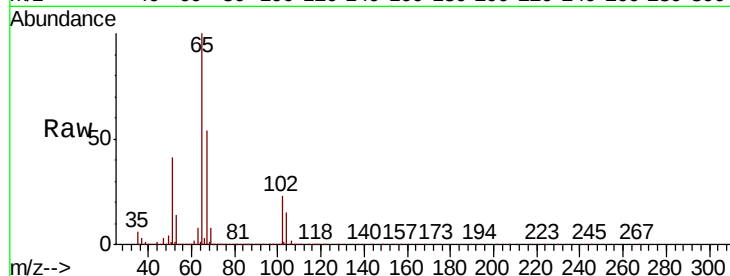
RE131D1-20200309DL

Tot Ion: 65 Resp: 143887

Ion Ratio Lower Upper

65 100

67 54.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

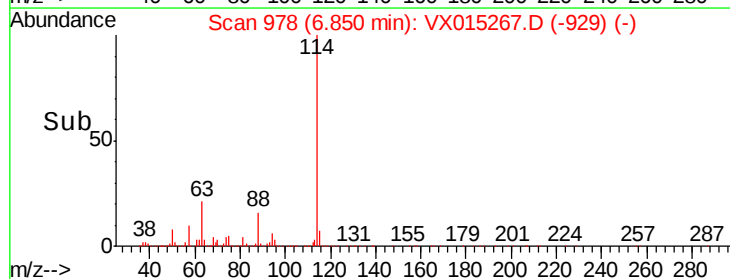
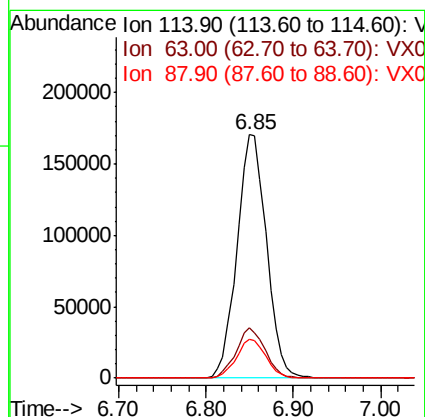
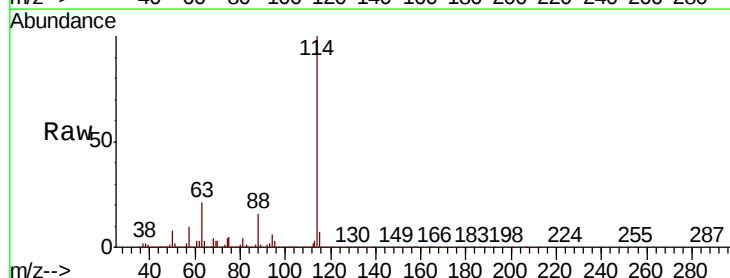
Tgt Ion: 114 Resp: 401027

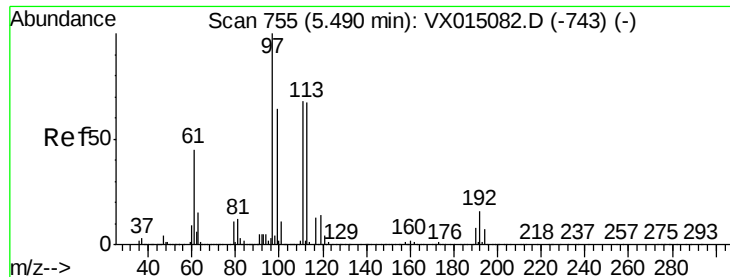
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.842 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20200309DL

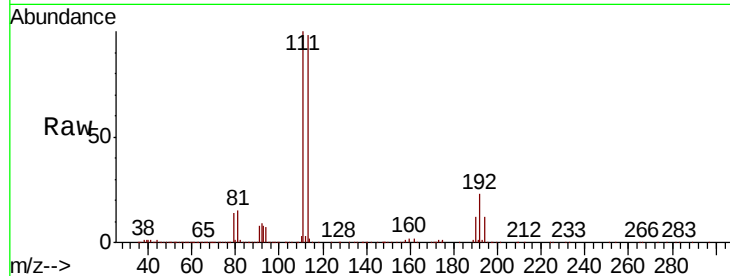
Tot Ion:113 Resp: 123568

Ion Ratio Lower Upper

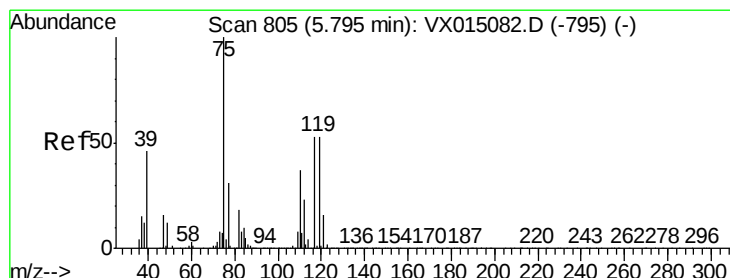
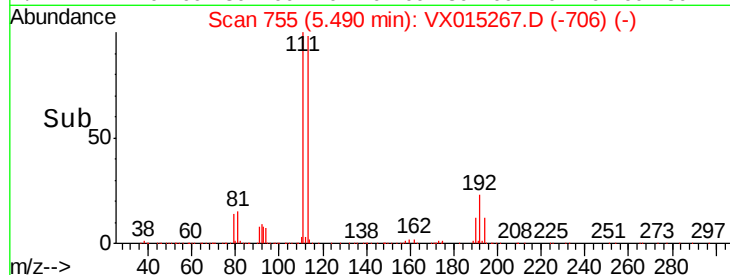
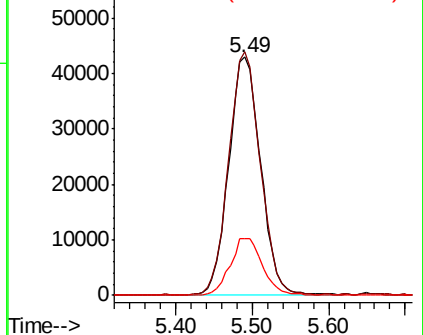
113 100

111 101.7 82.6 123.8

192 24.4 18.6 28.0



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: 4.512 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

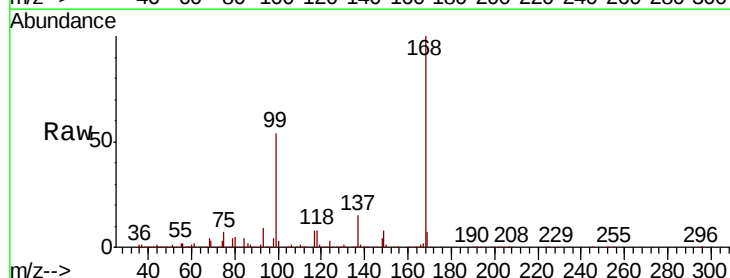
Tgt Ion: 75 Resp: 16727

Ion Ratio Lower Upper

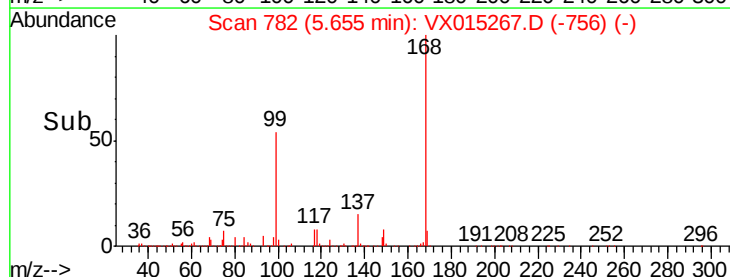
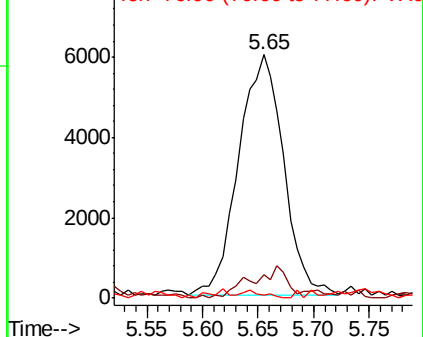
75 100

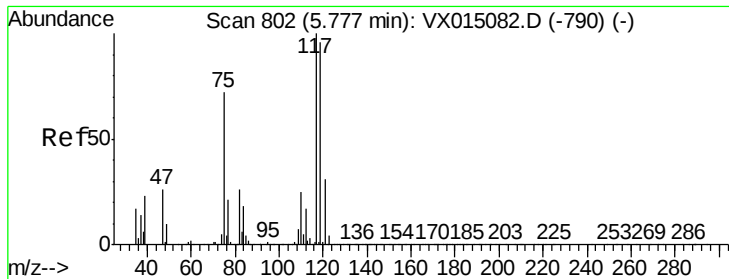
110 10.4 17.9 53.8#

77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.381 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20200309DL

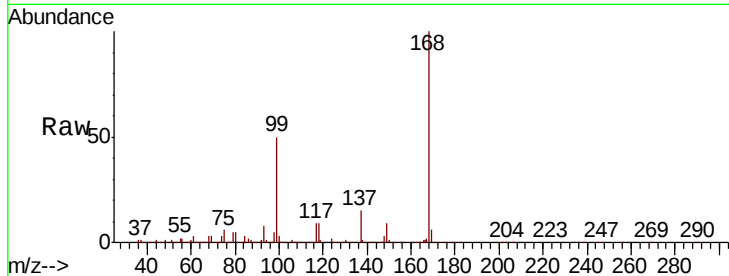
Tot Ion:117 Resp: 22329

Ion Ratio Lower Upper

117 100

119 5.5 76.9 115.3#

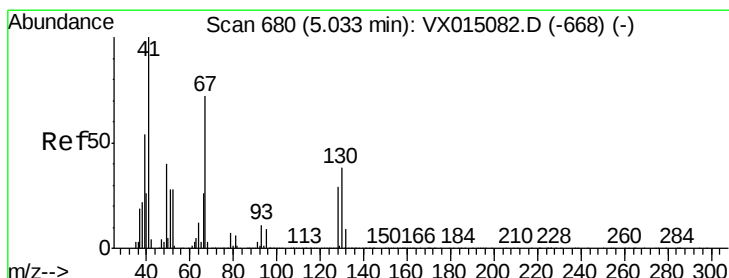
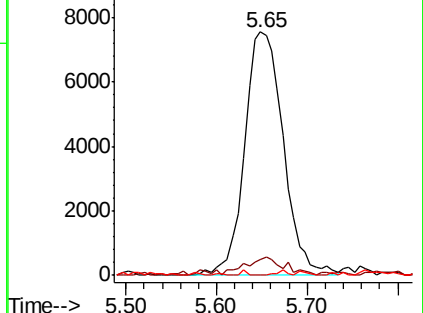
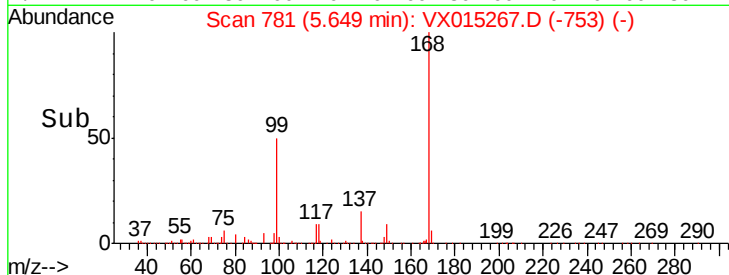
121 0.0 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 0.458 ug/l

RT: 5.06 min Scan# 685

Delta R.T. 0.03 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

Tgt Ion: 41 Resp: 946

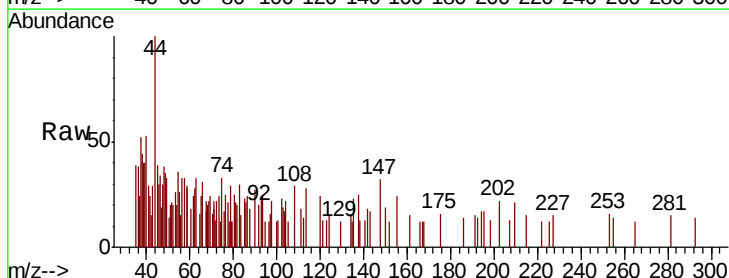
Ion Ratio Lower Upper

41 100

39 26.1 43.9 65.9#

67 0.0 57.8 86.8#

52 3.9 22.6 34.0#

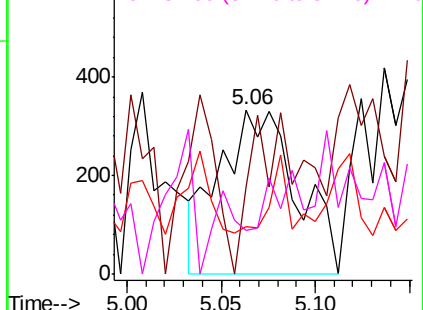
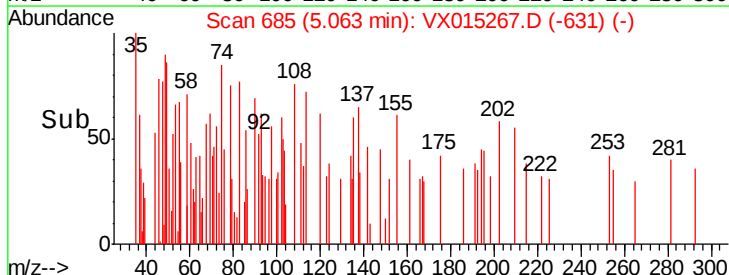


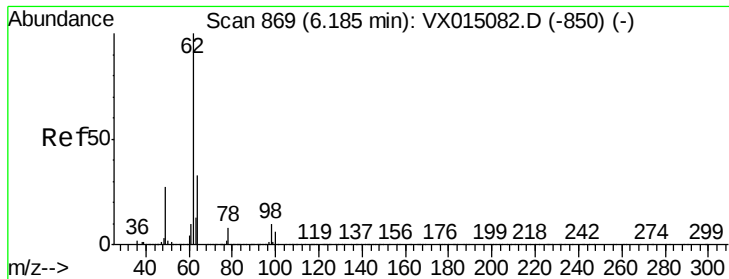
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#42

1,2-Dichloroethane

Concen: 0.302 ug/l

RT: 6.19 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

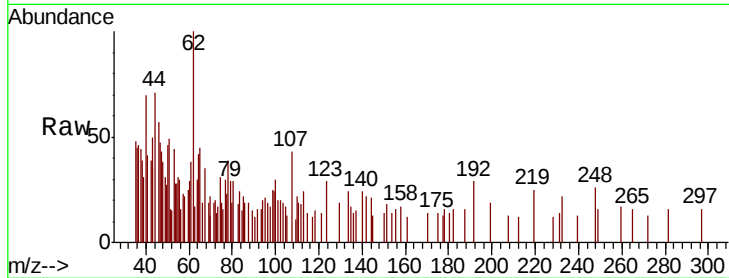
RE131D1-20200309DL

Tot Ion: 62 Resp: 1142

Ion Ratio Lower Upper

62 100

98 7.6 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.19

400

300

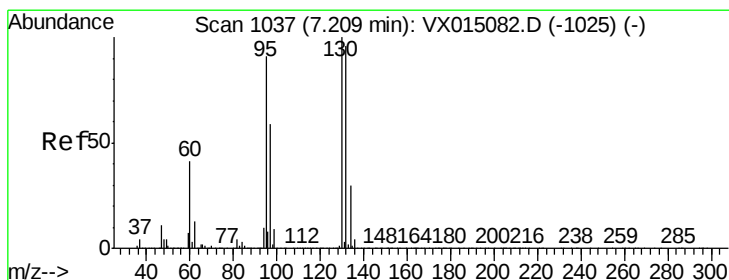
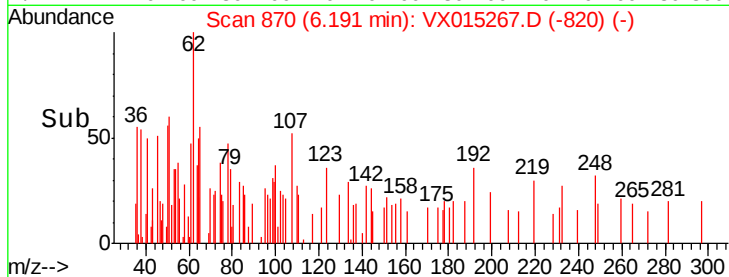
200

100

0

6.15 6.20 6.25

Time-->



#44

Trichloroethene

Concen: 40.190 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015267.D

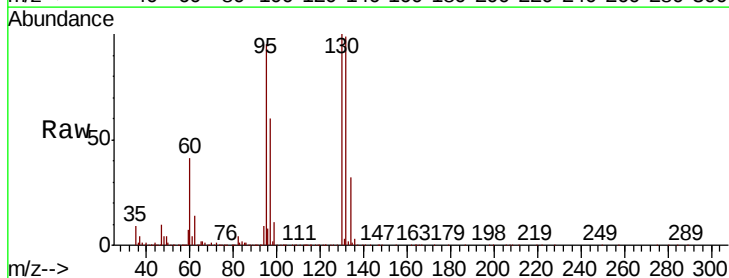
Acq: 13 Mar 2020 17:58

Tgt Ion:130 Resp: 123111

Ion Ratio Lower Upper

130 100

95 95.0 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

60000

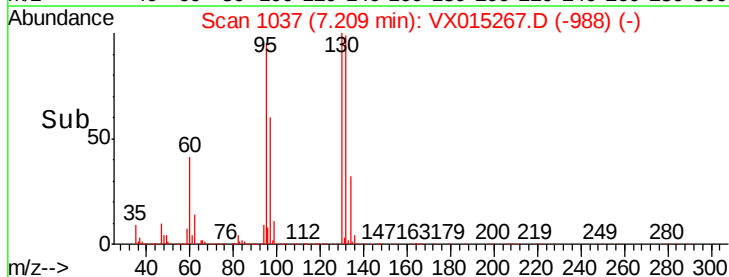
40000

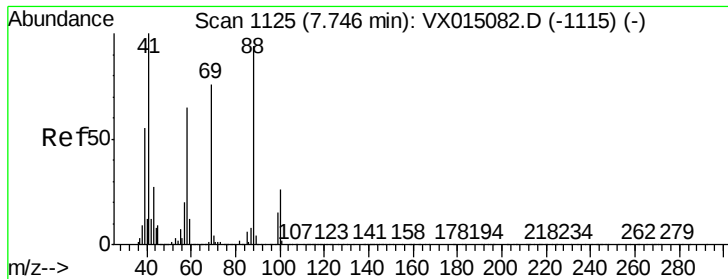
20000

0

7.10 7.15 7.20 7.25 7.30

Time-->

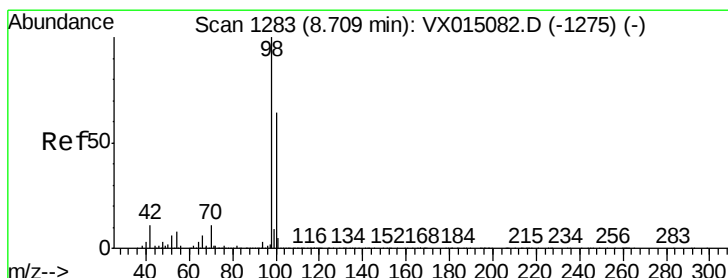
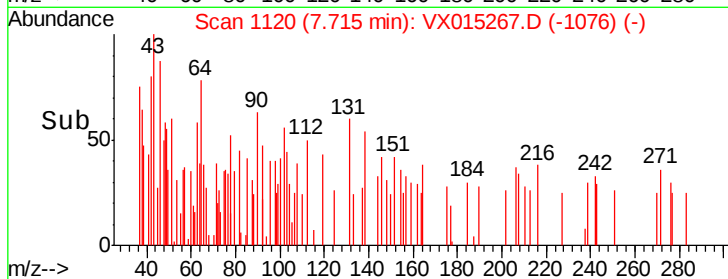
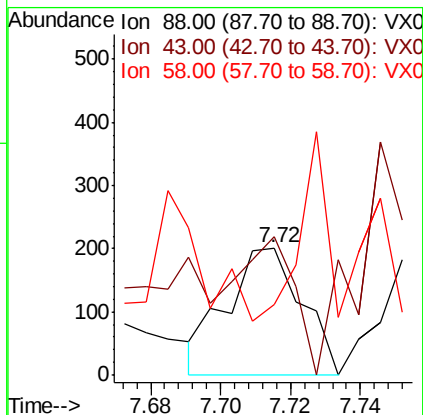
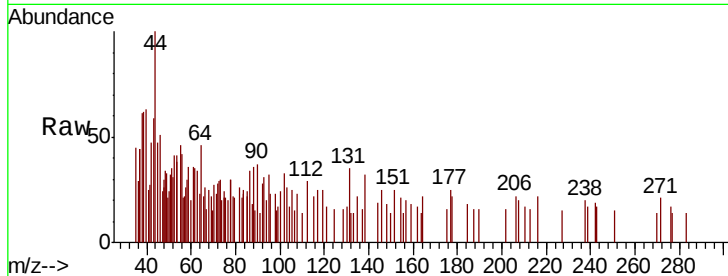




#49
1,4-Dioxane
Concen: 4.476 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.03 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

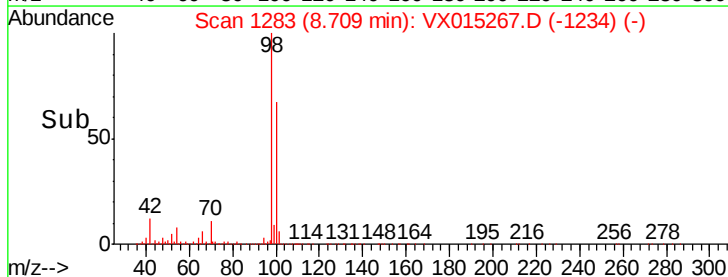
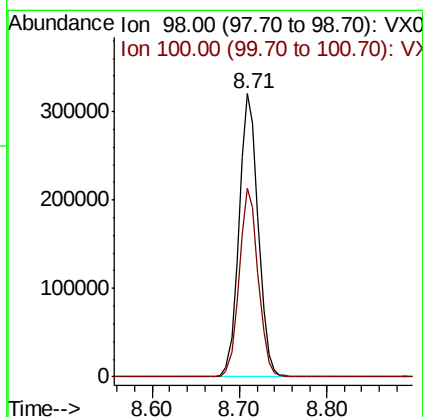
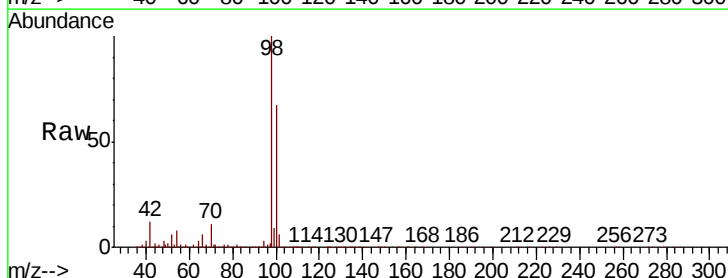
Instrument :
MSVOA_X
ClientSampleID :
RE131D1-20200309DL

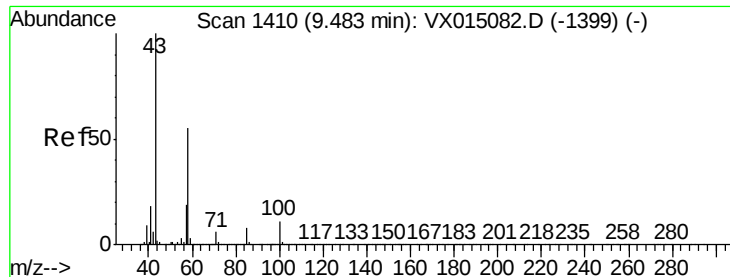
Tot Ion: 88 Resp: 298
Ion Ratio Lower Upper
88 100
43 84.9 27.0 40.4#
58 76.8 55.6 83.4



#50
Toluene-d8
Concen: 50.945 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

Tgt Ion: 98 Resp: 490271
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

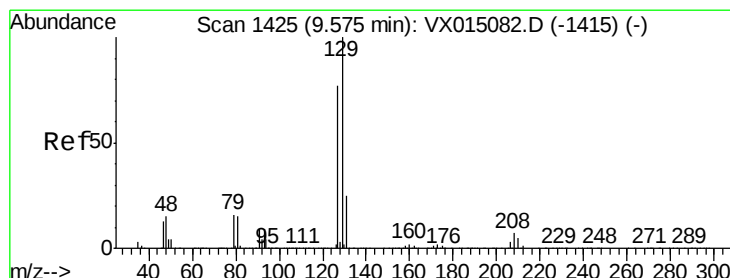
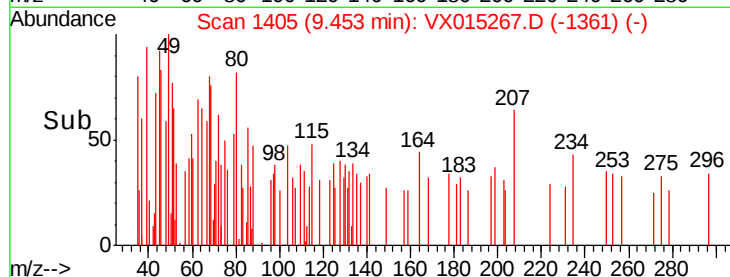
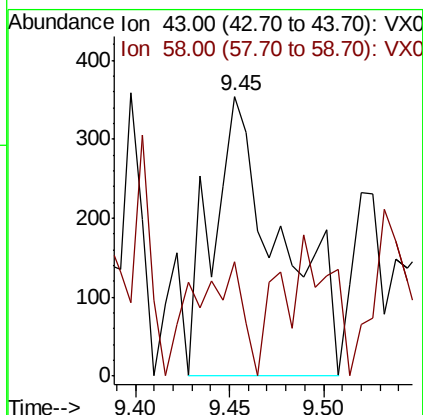
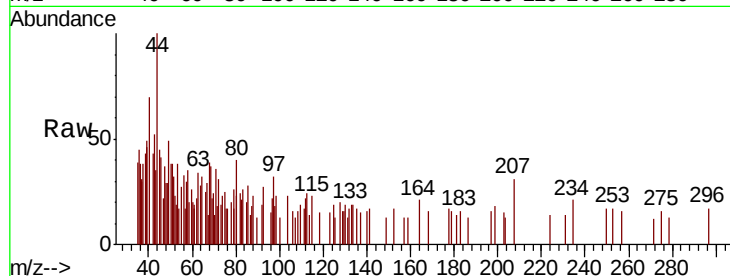




#59
2-Hexanone
Concen: 0.333 ug/l
RT: 9.45 min Scan# 1405
Delta R.T. -0.03 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

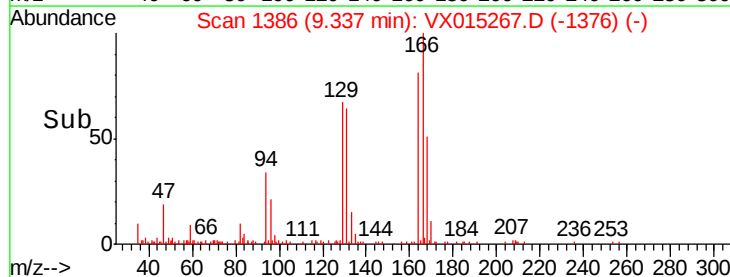
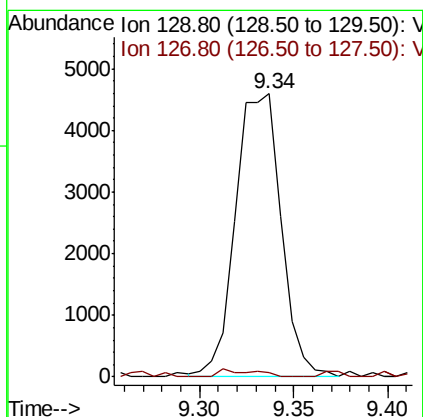
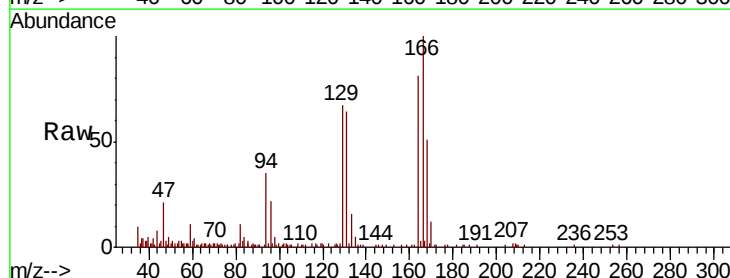
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309DL

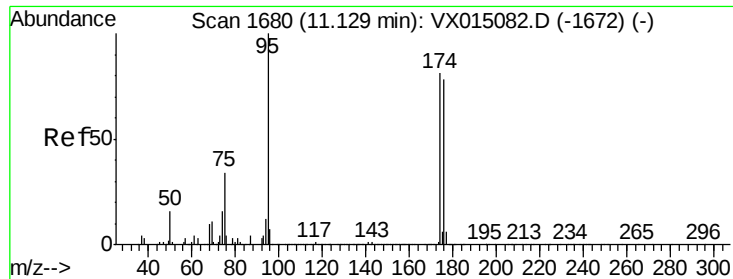
Tot Ion: 43.00 Resp: 882
Ion Ratio Lower Upper
43 100
58 28.9 27.3 81.8



#60
Dibromochloromethane
Concen: 2.657 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. -0.24 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

Tgt Ion: 129 Resp: 7727
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#

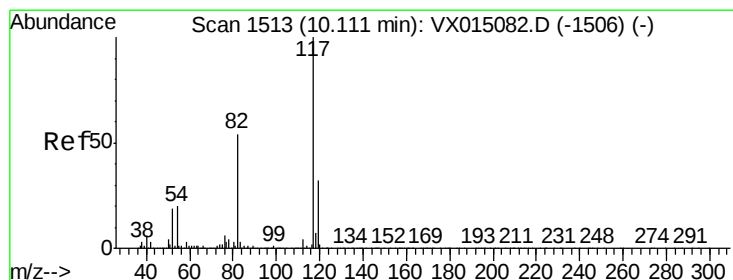
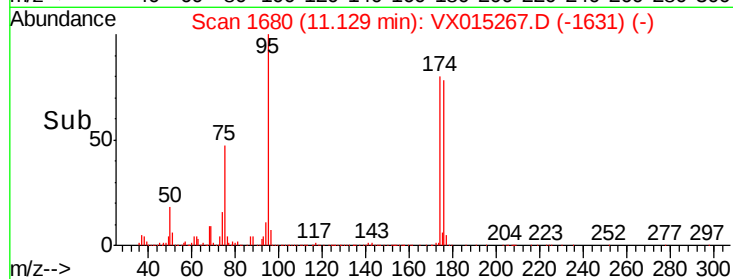
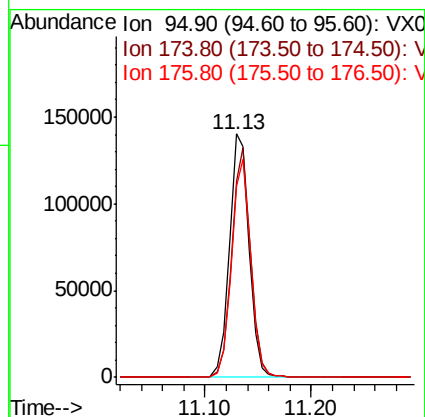
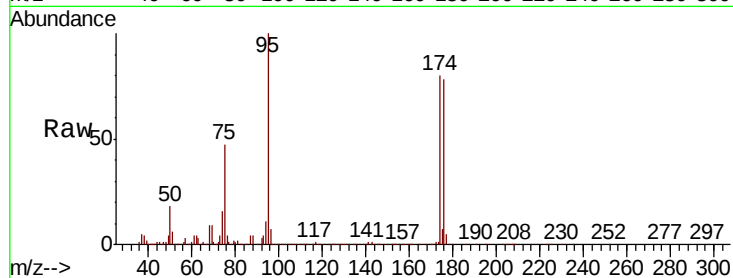




#62
4-Bromofluorobenzene
Concen: 52.891 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

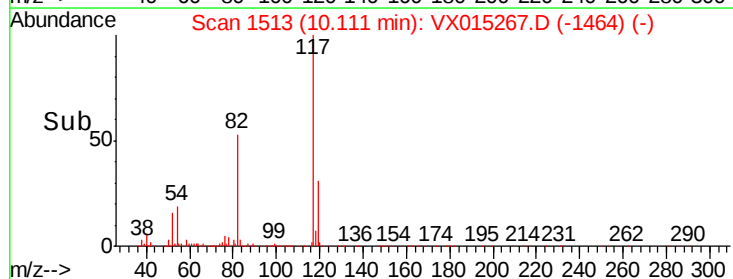
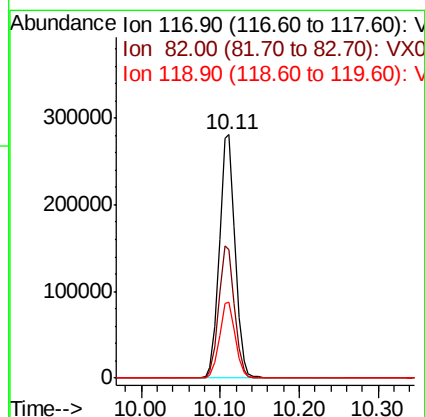
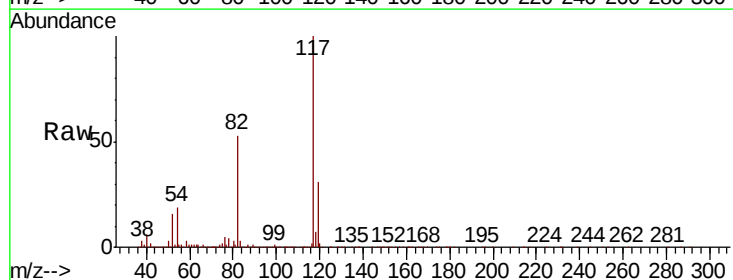
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20200309DL

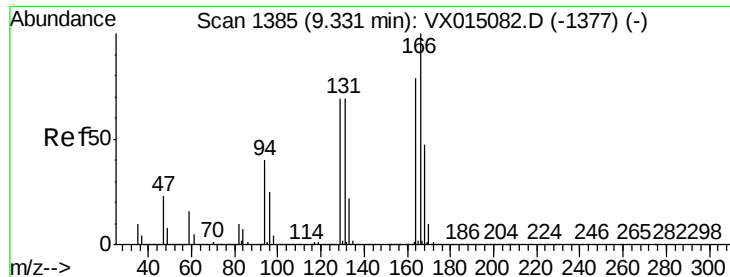
Tot Ion: 95 Resp: 181555
Ion Ratio Lower Upper
95 100
174 90.8 0.0 177.6
176 87.4 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015267.D
Acq: 13 Mar 2020 17:58

Tgt Ion: 117 Resp: 391297
Ion Ratio Lower Upper
117 100
82 52.6 43.3 64.9
119 31.1 25.8 38.8





#64

Tetrachloroethene

Concen: 2.777 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20200309DL

Tot Ion:164 Resp: 8985

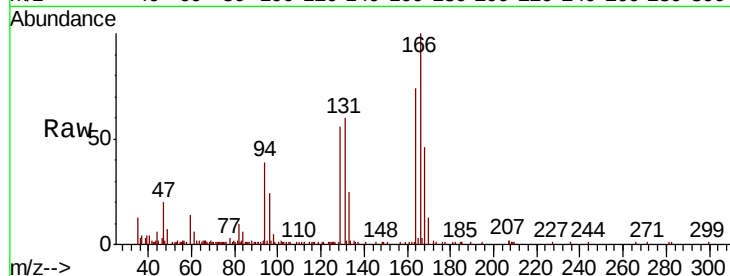
Ion Ratio Lower Upper

164 100

166 134.9 101.1 151.7

129 74.8 69.4 104.0

131 80.8 69.8 104.8

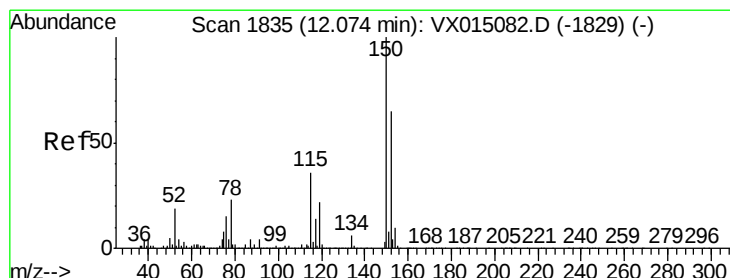
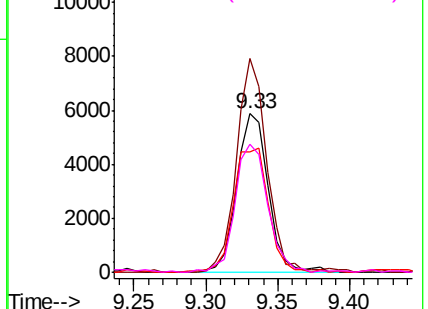
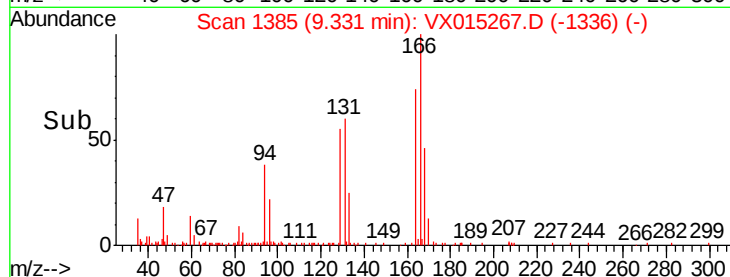


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX015267.D

Acq: 13 Mar 2020 17:58

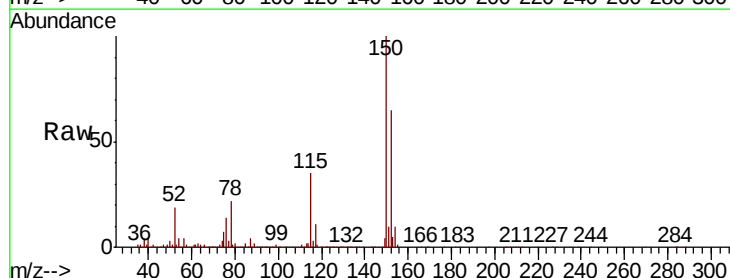
Tgt Ion:152 Resp: 199340

Ion Ratio Lower Upper

152 100

115 54.8 38.2 114.6

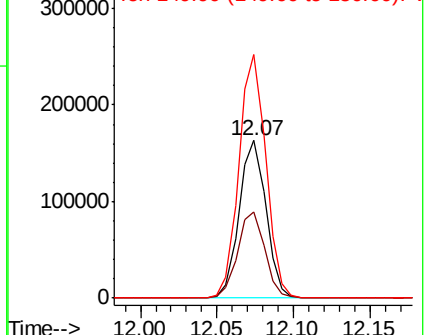
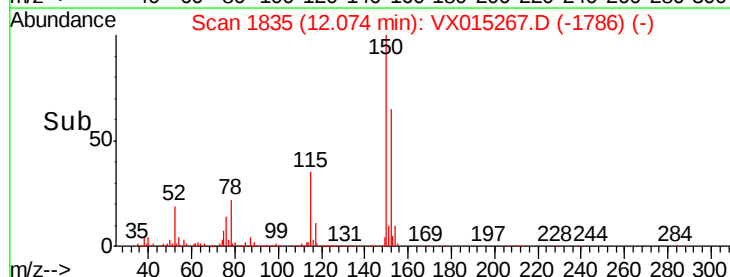
150 154.9 0.0 343.8

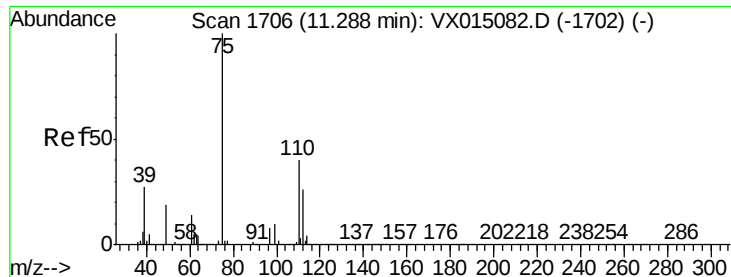


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

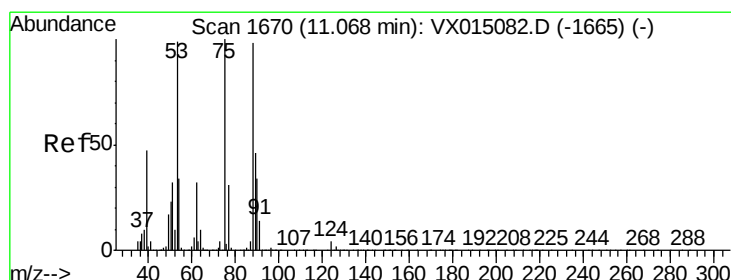
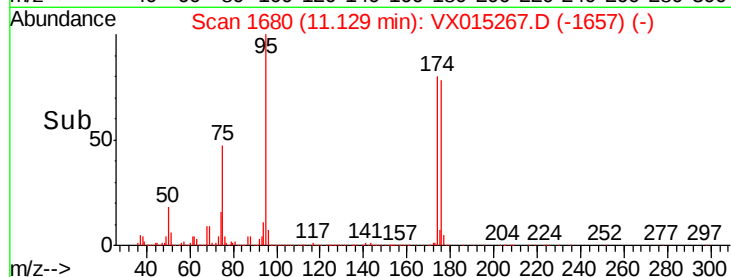
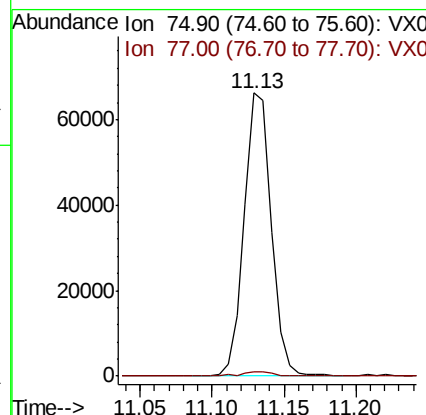
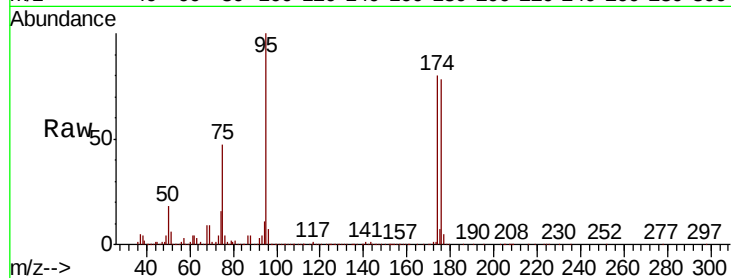




#76
 1,2,3-Trichloropropane
 Concen: 21.669 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX015267.D
 Acq: 13 Mar 2020 17:58

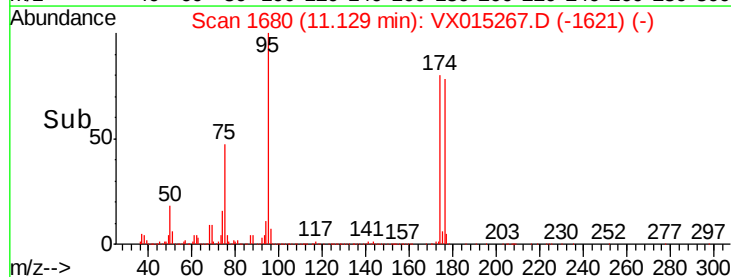
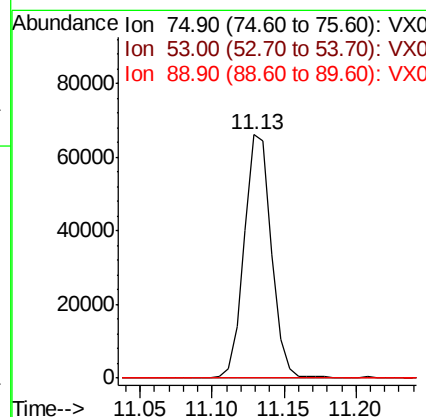
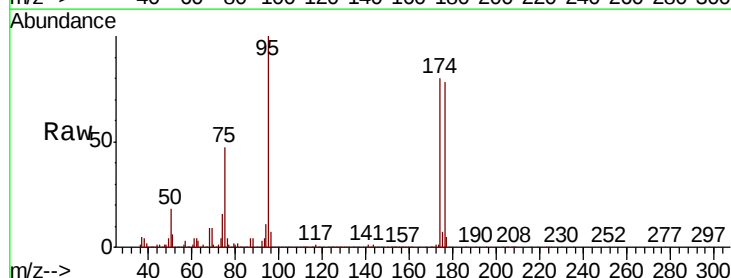
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20200309DL

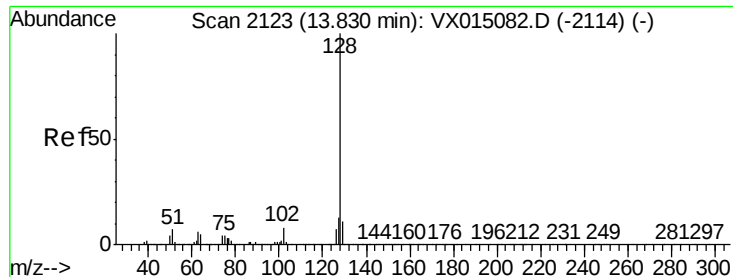
Tot Ion: 75 Resp: 86162
 Ion Ratio Lower Upper
 75 100
 77 1.8 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.498 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX015267.D
 Acq: 13 Mar 2020 17:58

Tgt Ion: 75 Resp: 86162
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.9 116.9#
 89 0.1 36.2 54.2#





#95

Naphthalene

Concen: 1.447 ug/l

RT: 13.84 min Scan# 2125

Delta R.T. 0.01 min

Lab File: VX015267.D

Acq: 13 Mar 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20200309DL

Tot Ion:128 Resp: 372

Ion Ratio Lower Upper

128 100

127 9.1 10.3 15.5#

129 4.8 8.6 13.0#

