

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX030920\
 Data File : VX015137.D
 Acq On : 09 Mar 2020 13:05
 Operator : JC/SP
 Sample : L1842-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D3-20200303

Quant Time: Mar 09 14:04:35 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	336578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	547788	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	527903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	263780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	203279	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	5.49	113	171372	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	8.71	98	665406	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.13	95	245650	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	

Target Compounds

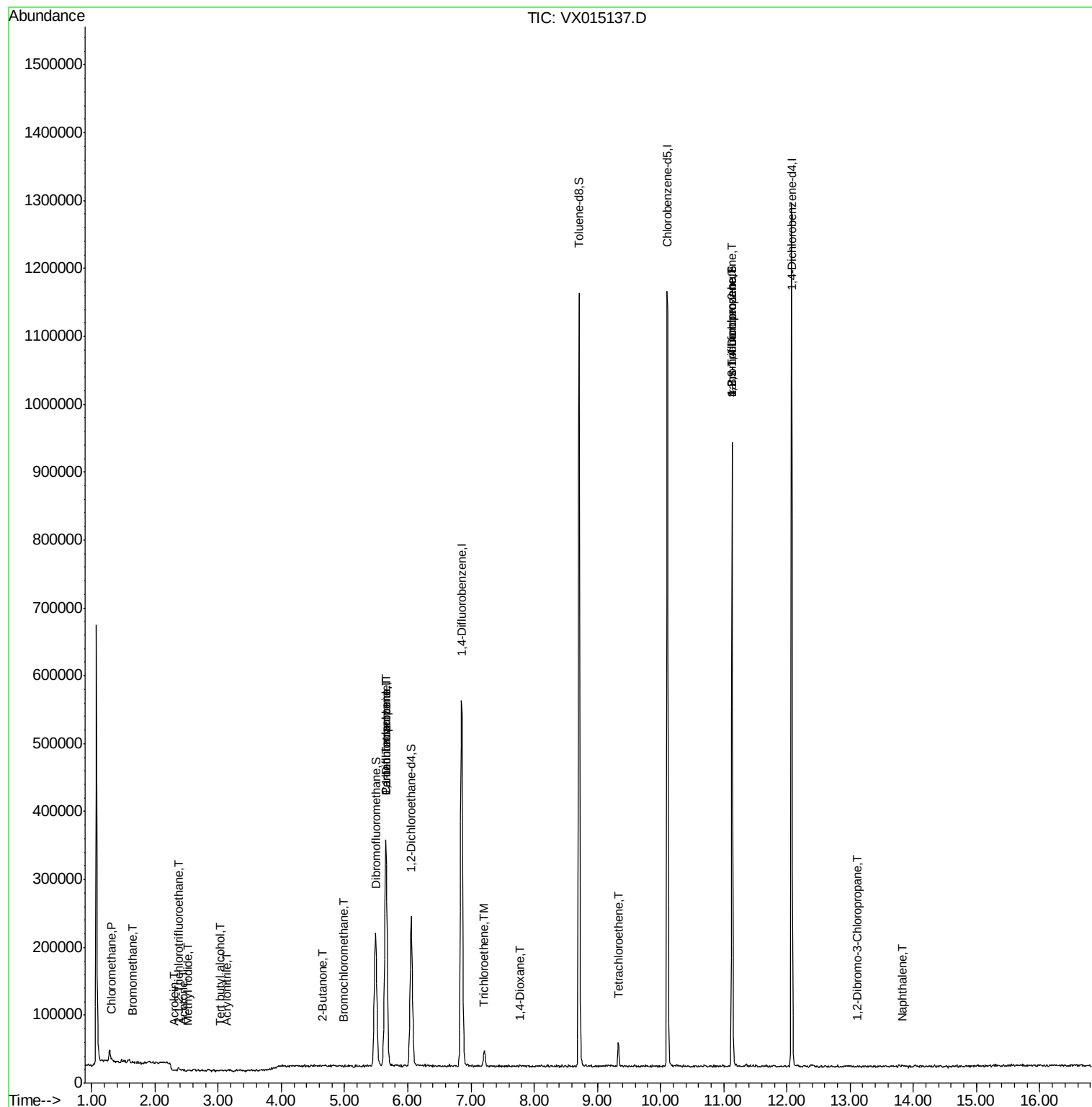
						Qvalue
3) Chloromethane	1.32	50	1087	0.26	ug/l	# 81
5) Bromomethane	1.65	94	637	0.24	ug/l	# 89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1790	0.56	ug/l	# 85
10) Methyl Iodide	2.52	142	970	0.27	ug/l	# 80
11) Tert butyl alcohol	3.03	59	282	0.41	ug/l	# 72
13) Acrolein	2.30	56	316	0.49	ug/l	# 86
15) Acrylonitrile	3.13	53	388	0.22	ug/l	# 43
16) Acetone	2.44	43	2191	1.35	ug/l	# 91
25) 2-Butanone	4.66	43	728	0.31	ug/l	# 49
28) Bromochloromethane	4.99	49	678	0.24	ug/l	# 49
36) 1,1-Dichloropropene	5.65	75	23916	4.72	ug/l	# 51
38) Carbon Tetrachloride	5.65	117	30297	6.34	ug/l	# 14
44) Trichloroethene	7.21	130	10329	2.47	ug/l	# 91
49) 1,4-Dioxane	7.76	88	532	5.85	ug/l	# 78
64) Tetrachloroethene	9.33	164	6901	1.58	ug/l	# 87
76) 1,2,3-Trichloropropane	11.13	75	120924	22.98	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.13	75	120924	65.22	ug/l	# 11
92) 1,2-Dibromo-3-Chloropropan	13.12	75	245	0.22	ug/l	# 87
95) Naphthalene	13.83	128	1252	1.49	ug/l	# 79

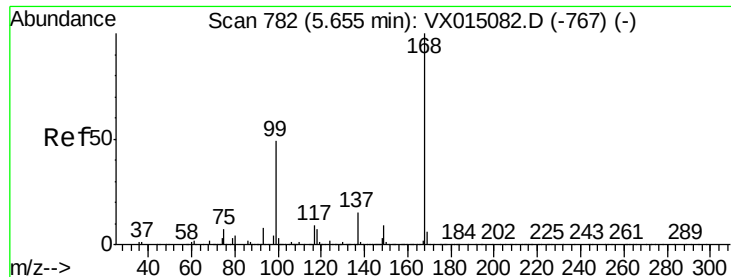
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

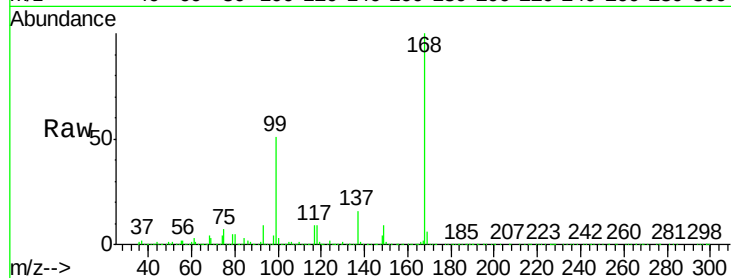
RE126D3-20200303

Tgt Ion: 168 Resp: 336578

Ion Ratio Lower Upper

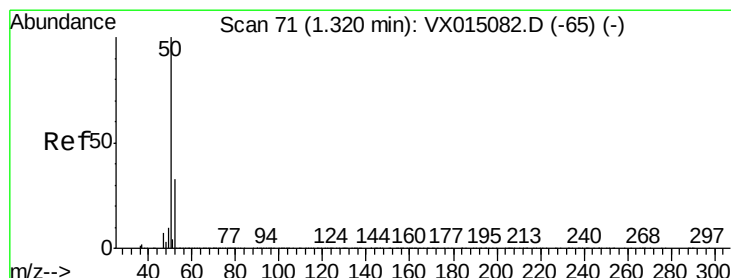
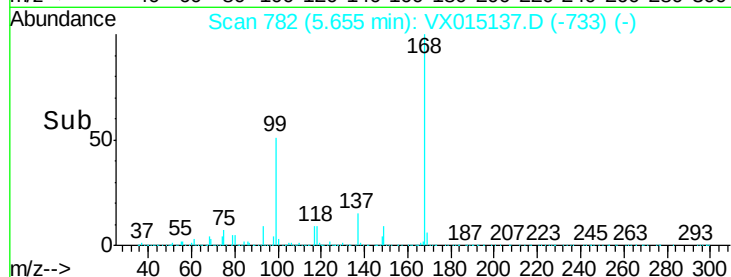
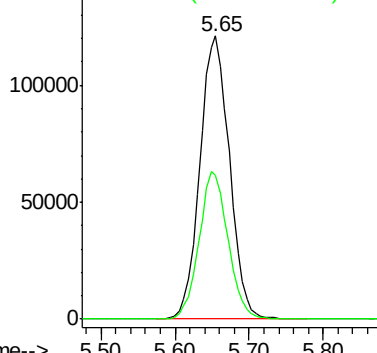
168 100

99 50.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015137.D

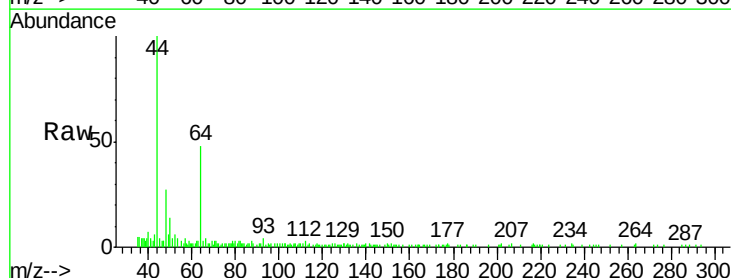
Acq: 09 Mar 2020 13:05

Tgt Ion: 50 Resp: 1087

Ion Ratio Lower Upper

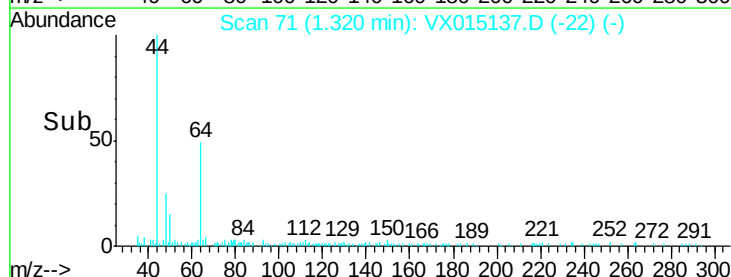
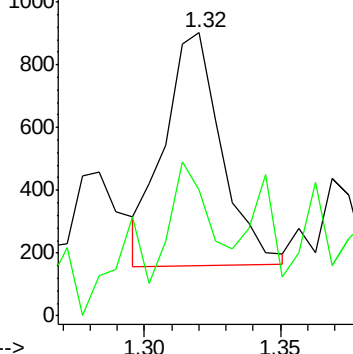
50 100

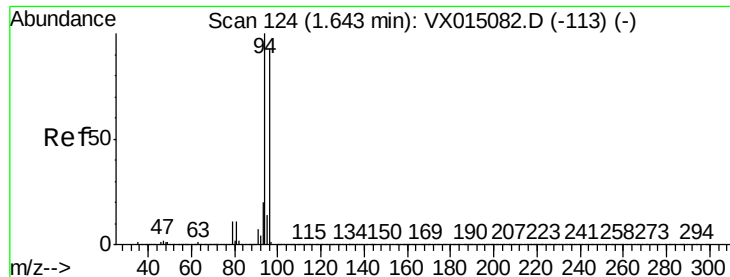
52 21.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.24 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

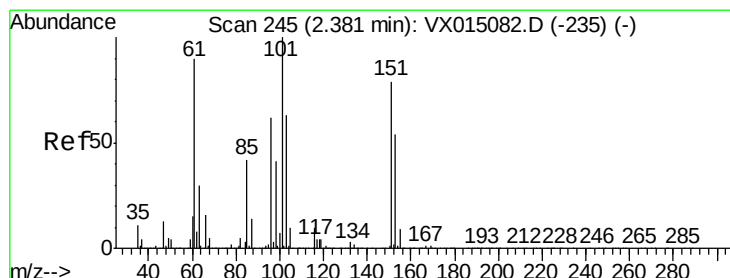
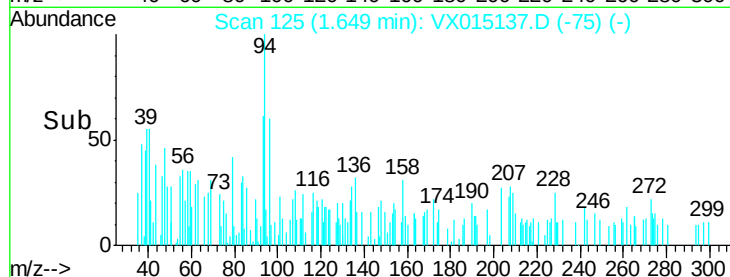
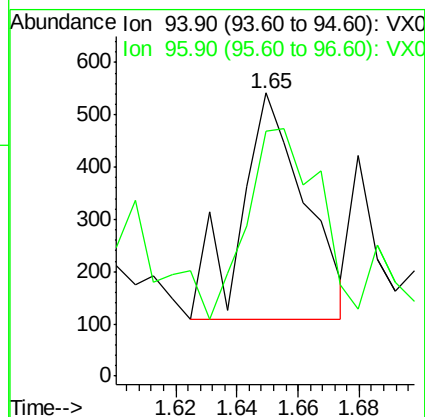
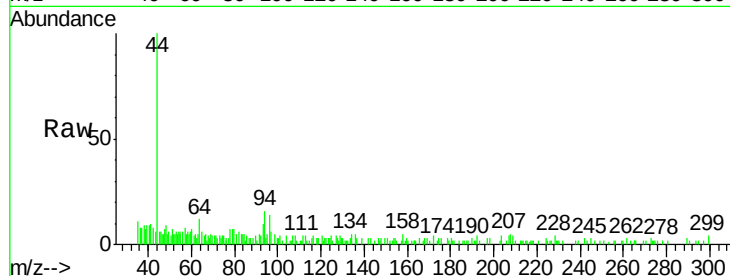
RE126D3-20200303

Tgt Ion: 94 Resp: 637

Ion Ratio Lower Upper

94 100

96 82.9 74.6 111.8



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.56 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

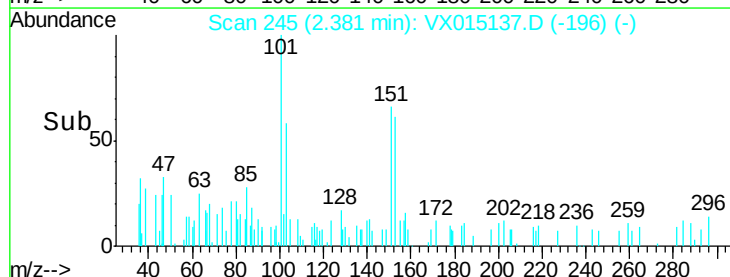
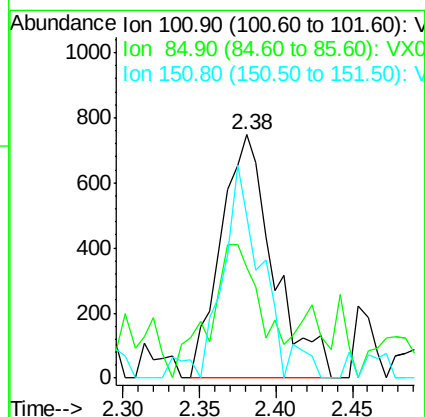
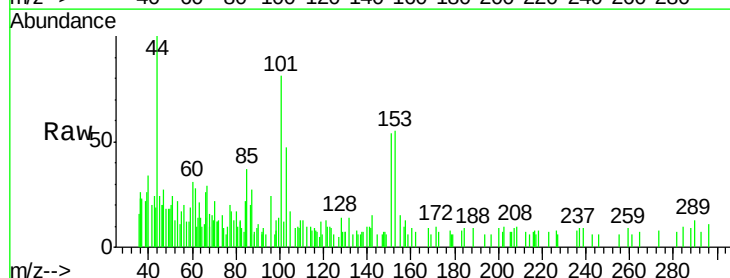
Tgt Ion: 101 Resp: 1790

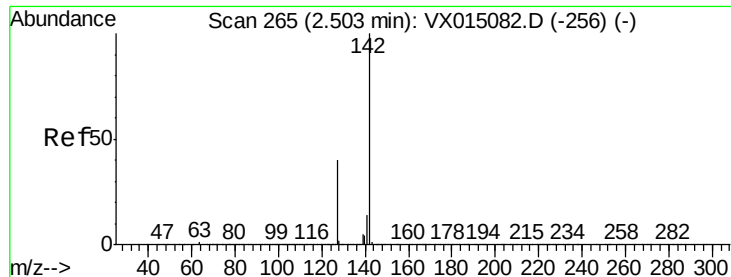
Ion Ratio Lower Upper

101 100

85 53.6 33.7 50.5#

151 67.6 64.0 96.0





#10

Methyl Iodide

Concen: 0.27 ug/l

RT: 2.52 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

RE126D3-20200303

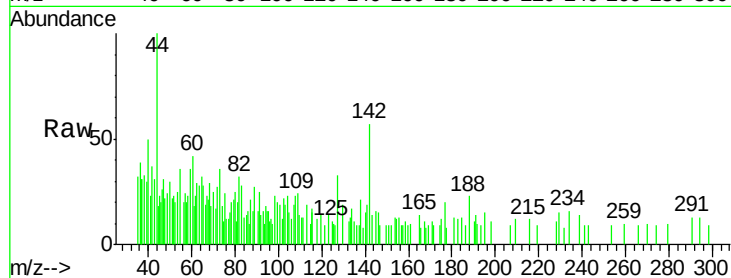
Tgt Ion: 142 Resp: 970

Ion Ratio Lower Upper

142 100

127 52.7 31.7 47.5#

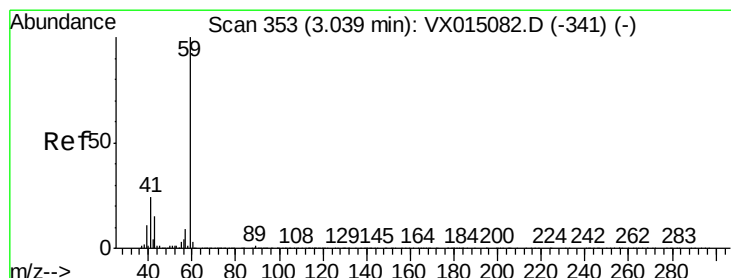
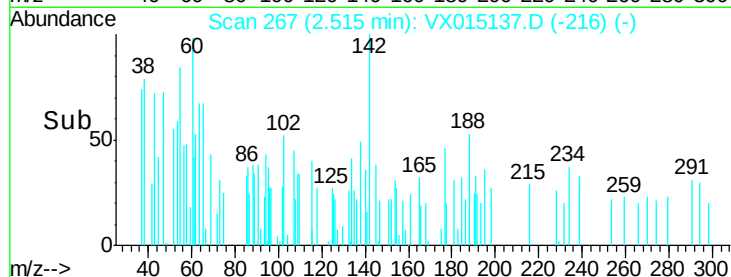
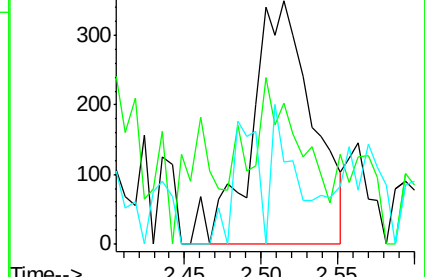
141 21.2 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.41 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX015137.D

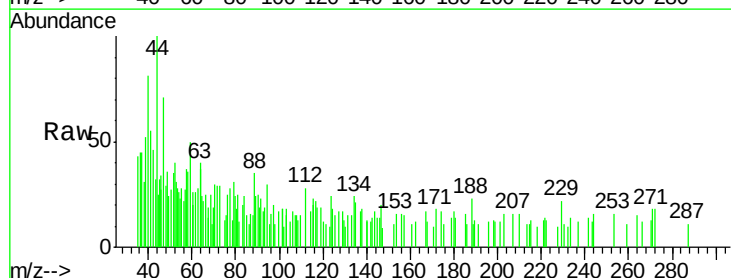
Acq: 09 Mar 2020 13:05

Tgt Ion: 59 Resp: 282

Ion Ratio Lower Upper

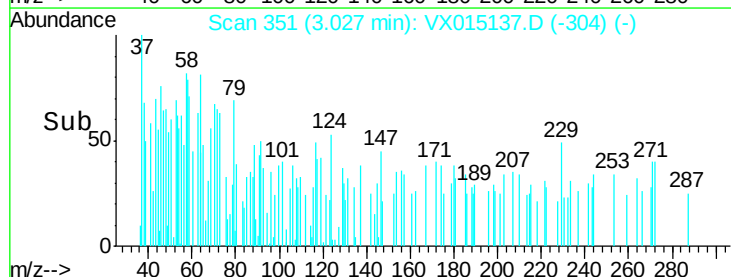
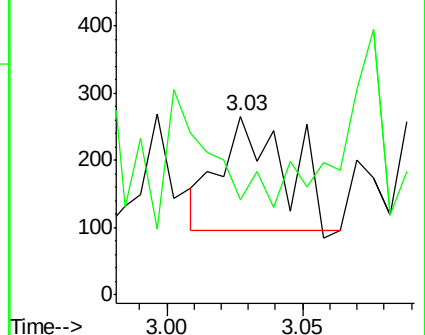
59 100

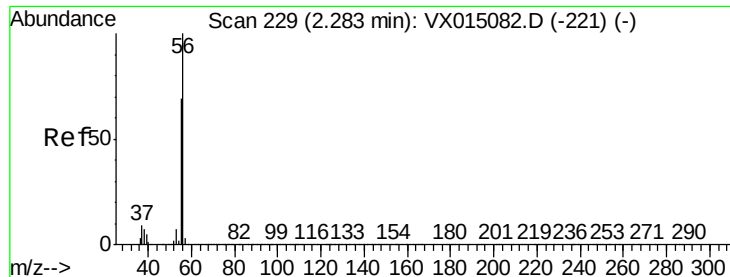
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.49 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

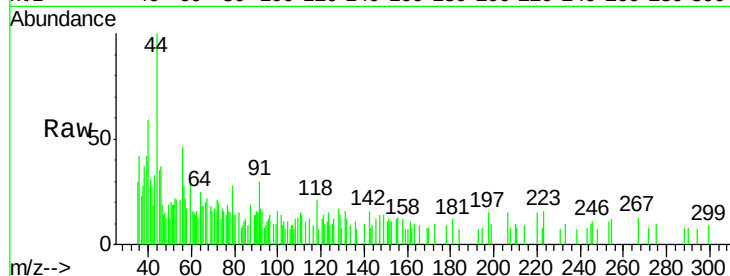
RE126D3-20200303

Tgt Ion: 56 Resp: 316

Ion Ratio Lower Upper

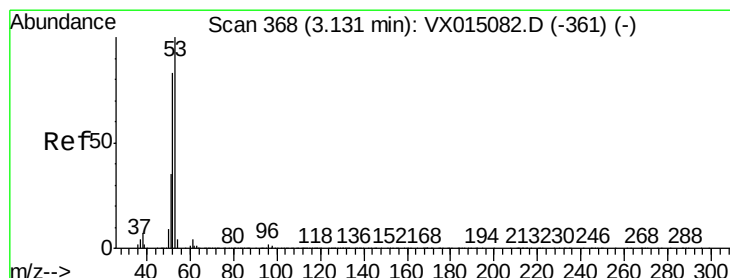
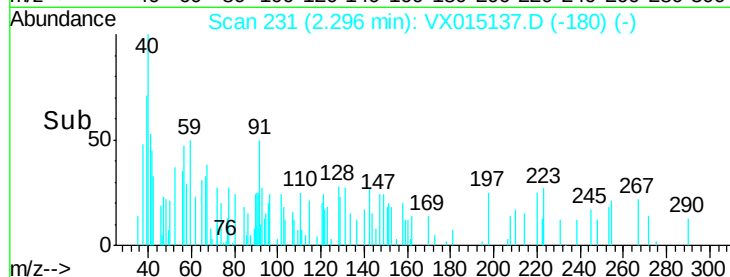
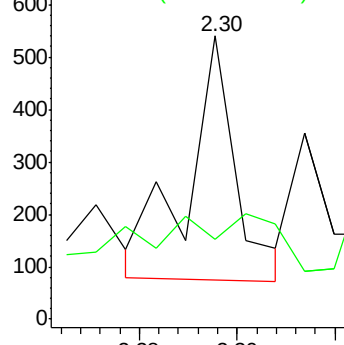
56 100

55 57.9 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

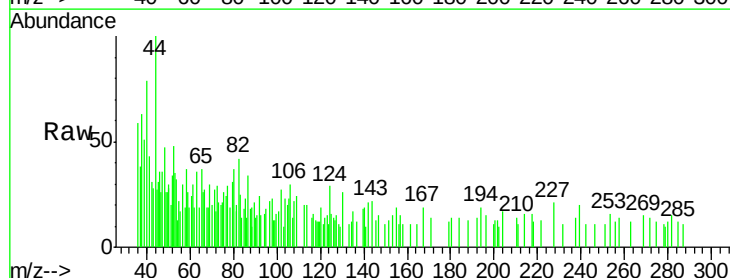
Tgt Ion: 53 Resp: 388

Ion Ratio Lower Upper

53 100

52 155.7 66.6 100.0#

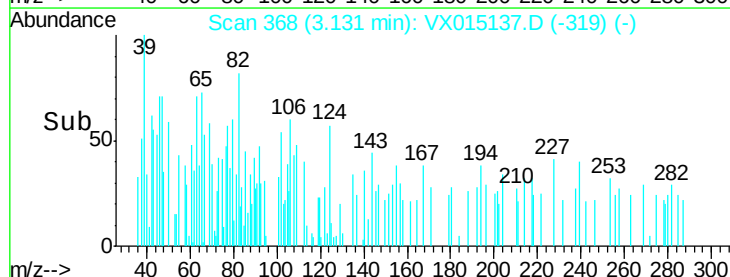
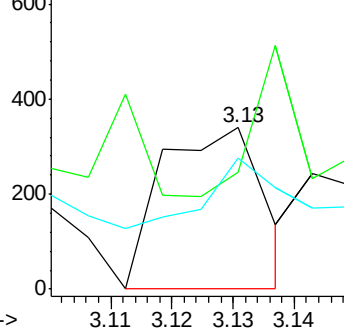
51 39.2 29.0 43.6

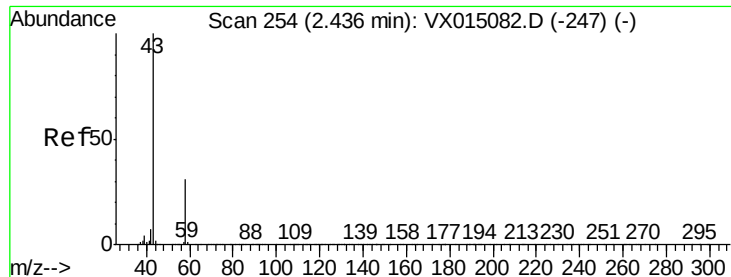


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.35 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

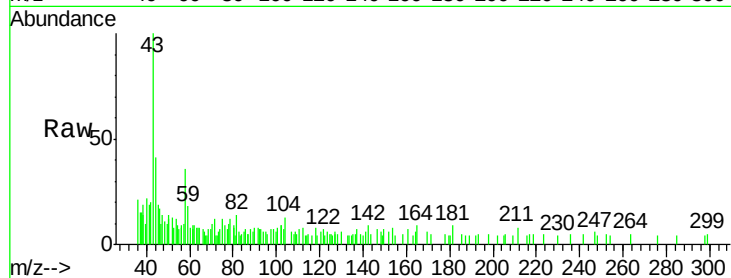
RE126D3-20200303

Tgt Ion: 43 Resp: 2191

Ion Ratio Lower Upper

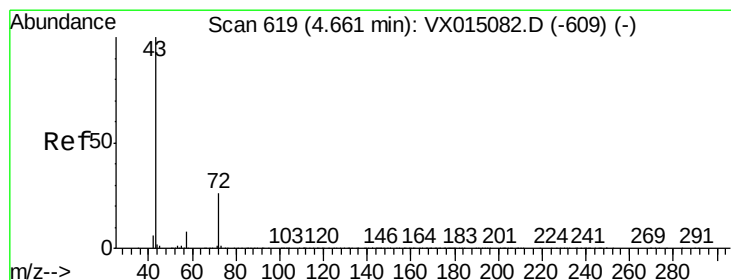
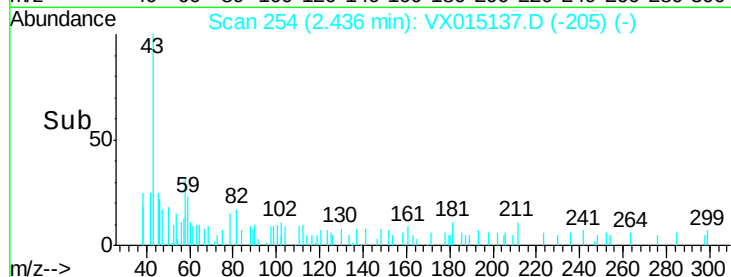
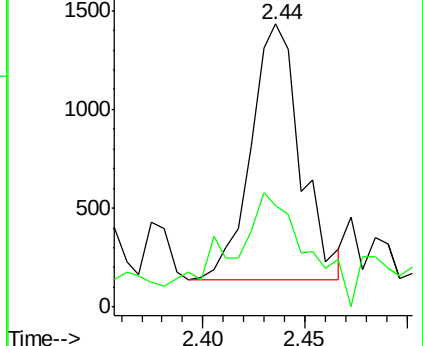
43 100

58 25.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.31 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX015137.D

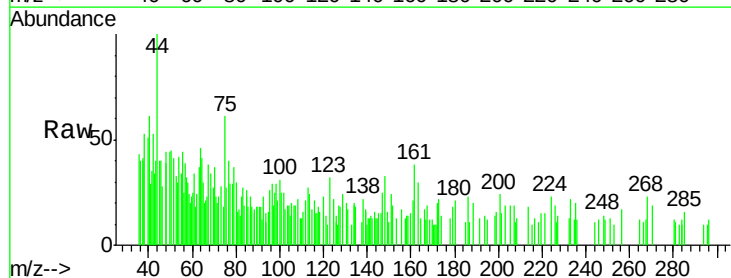
Acq: 09 Mar 2020 13:05

Tgt Ion: 43 Resp: 728

Ion Ratio Lower Upper

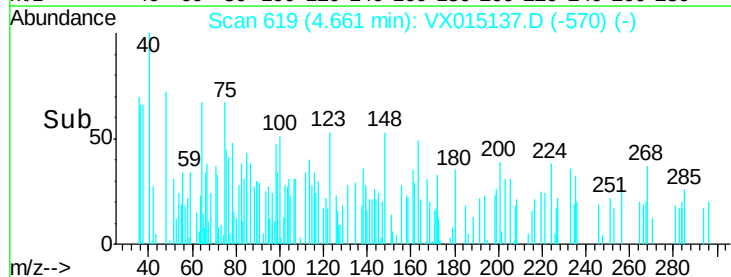
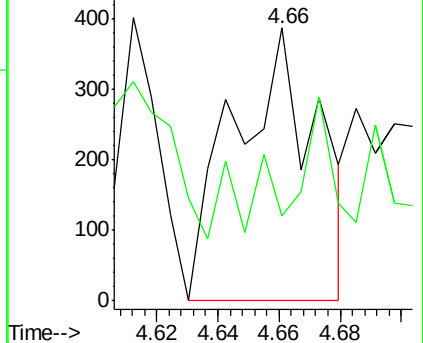
43 100

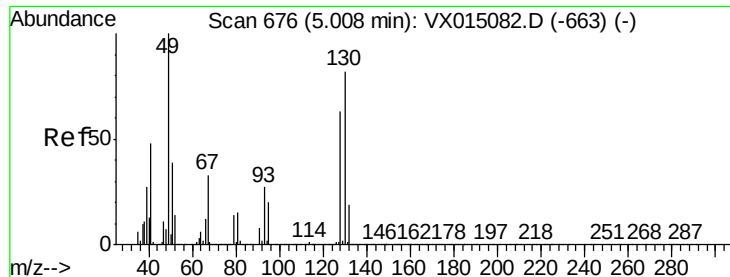
72 0.0 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 0.24 ug/l

RT: 4.99 min Scan# 673

Delta R.T. -0.02 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

RE126D3-20200303

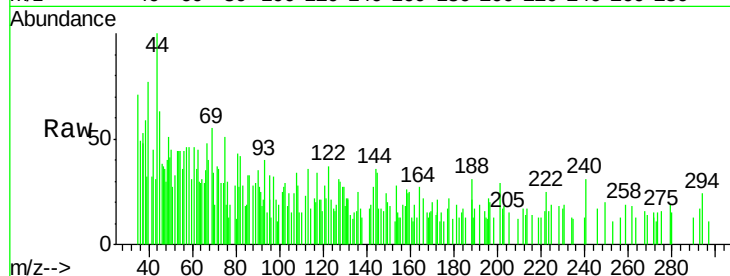
Tgt Ion: 49 Resp: 678

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

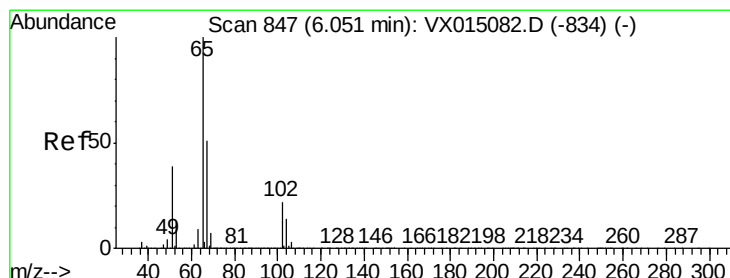
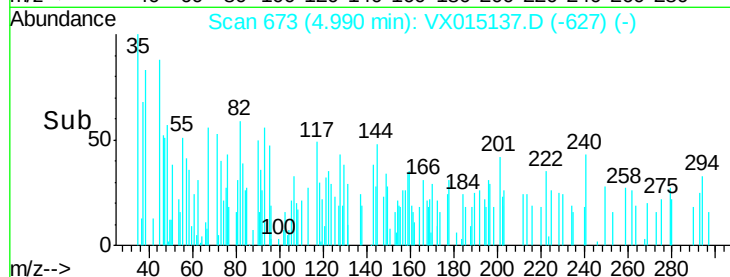
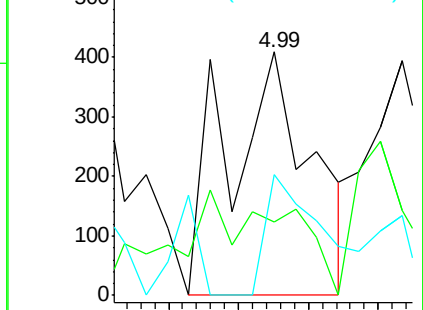
130 34.5 65.0 97.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 50.91 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015137.D

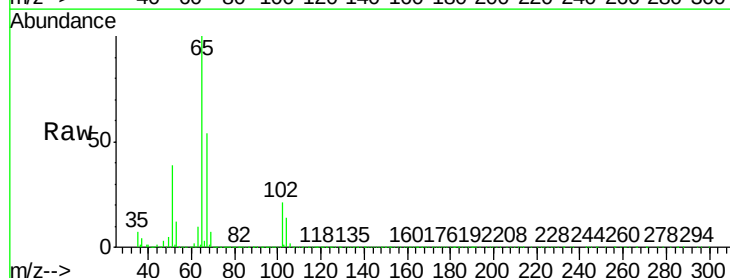
Acq: 09 Mar 2020 13:05

Tgt Ion: 65 Resp: 203279

Ion Ratio Lower Upper

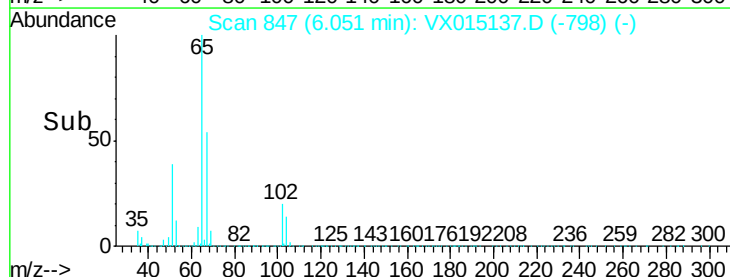
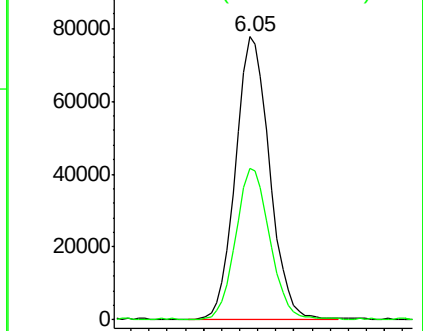
65 100

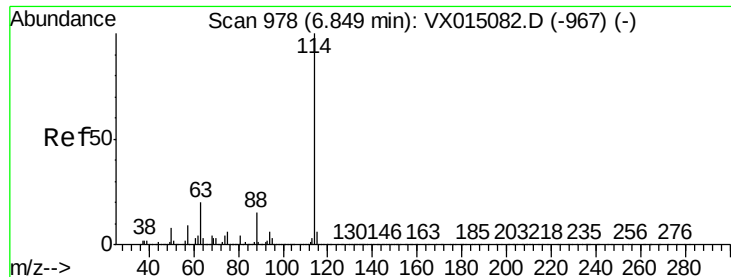
67 53.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

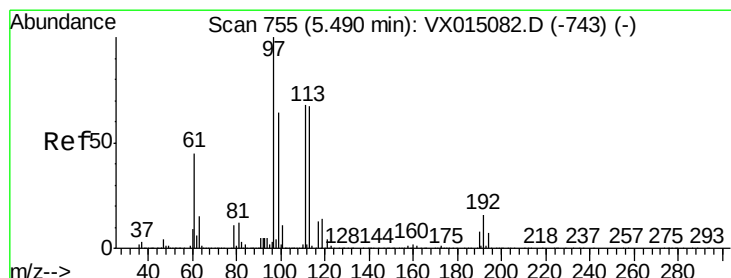
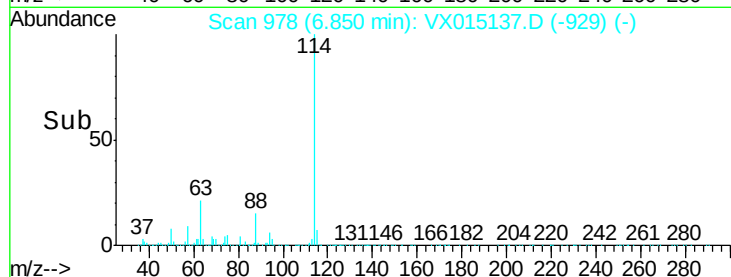
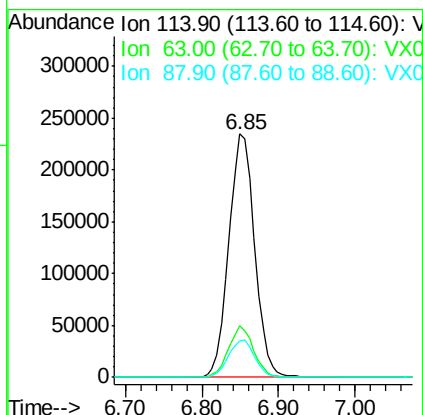
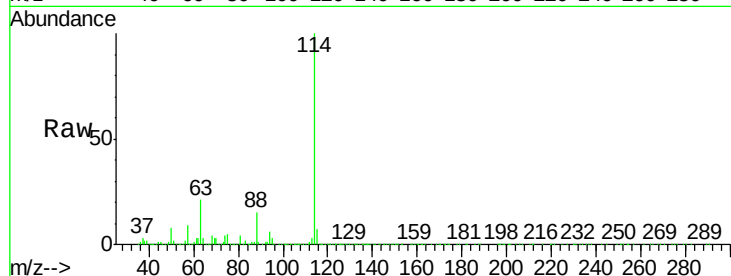




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015137.D
 Acq: 09 Mar 2020 13:05

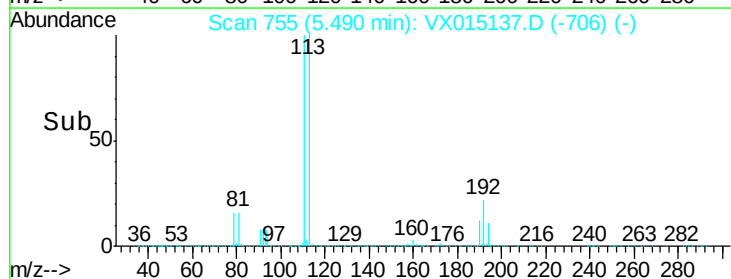
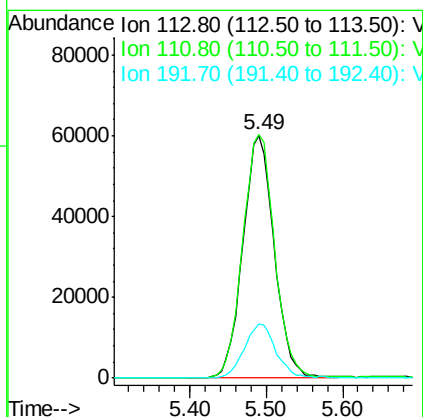
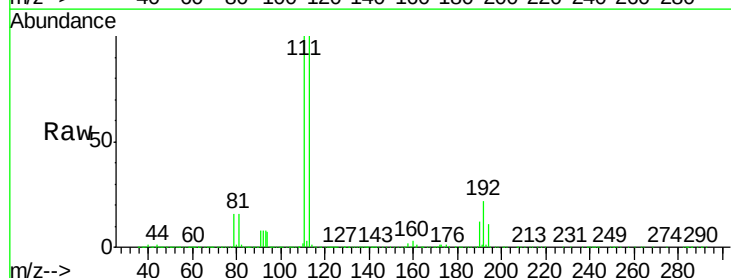
Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D3-20200303

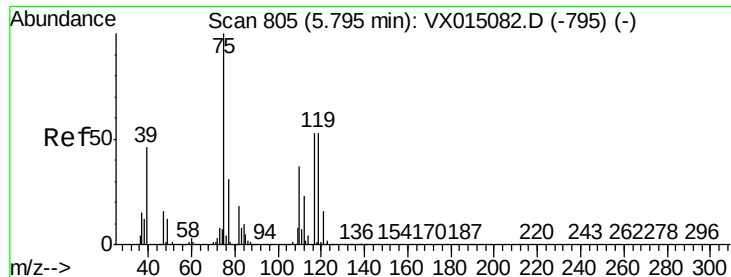
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.0
88	15.1	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 49.59 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015137.D
 Acq: 09 Mar 2020 13:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	22.2	18.6	28.0

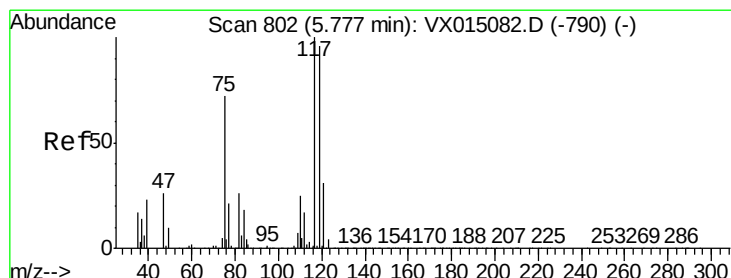
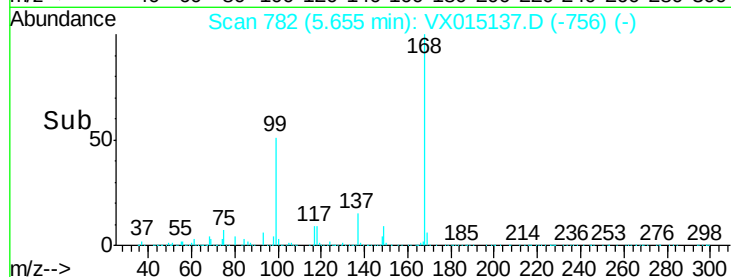
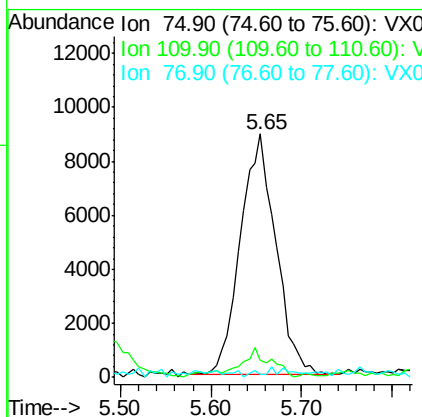
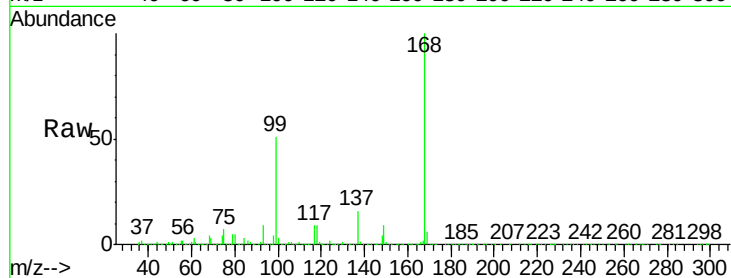




#36
 1,1-Dichloropropene
 Concen: 4.72 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015137.D
 Acq: 09 Mar 2020 13:05

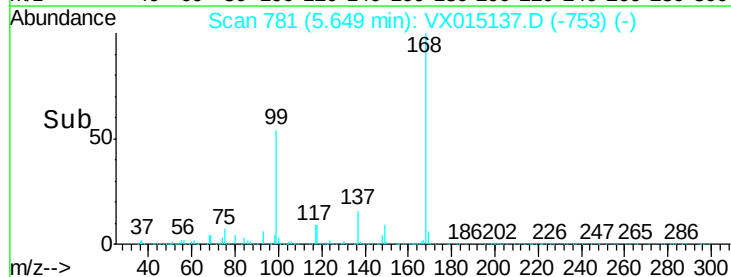
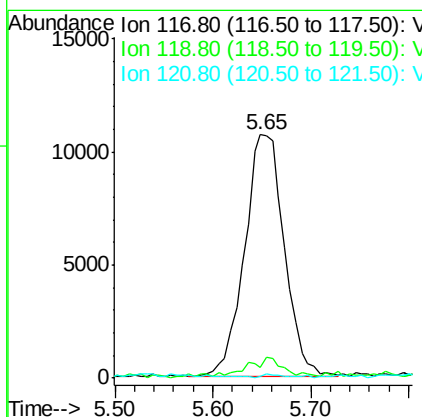
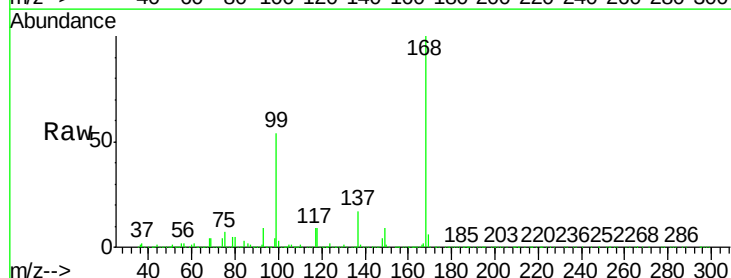
Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D3-20200303

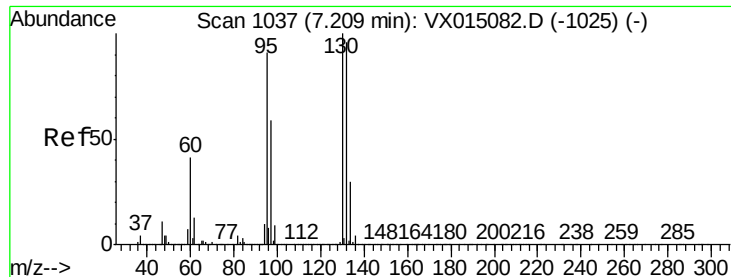
Tgt Ion: 75 Resp: 23916
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.9 53.8#
 77 1.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.34 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX015137.D
 Acq: 09 Mar 2020 13:05

Tgt Ion: 117 Resp: 30297
 Ion Ratio Lower Upper
 117 100
 119 2.9 76.9 115.3#
 121 0.0 24.6 37.0#





#44

Trichloroethene

Concen: 2.47 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

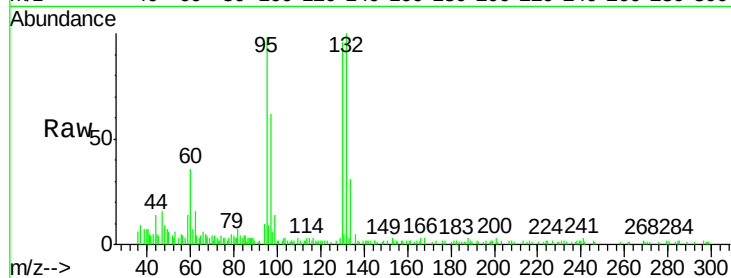
RE126D3-20200303

Tgt Ion: 130 Resp: 10329

Ion Ratio Lower Upper

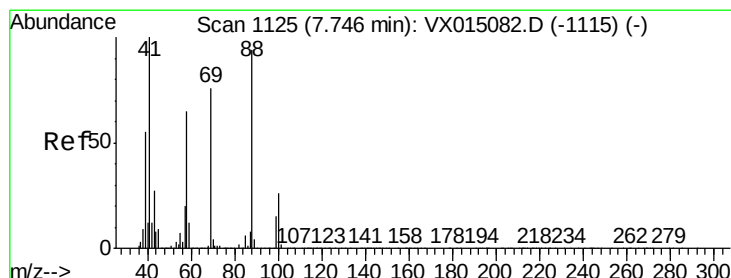
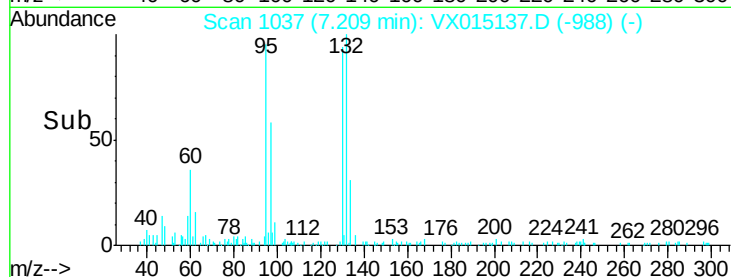
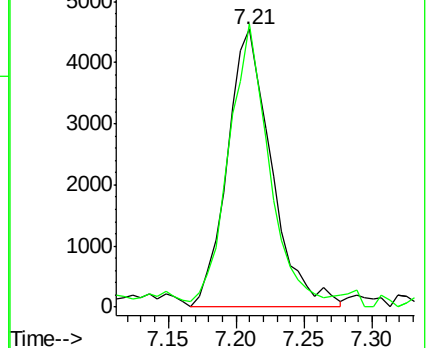
130 100

95 99.6 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 5.85 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

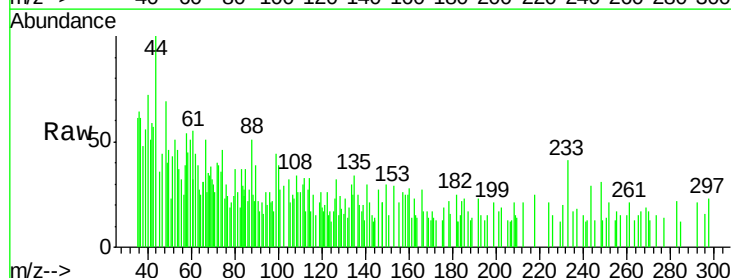
Tgt Ion: 88 Resp: 532

Ion Ratio Lower Upper

88 100

43 56.6 27.0 40.4#

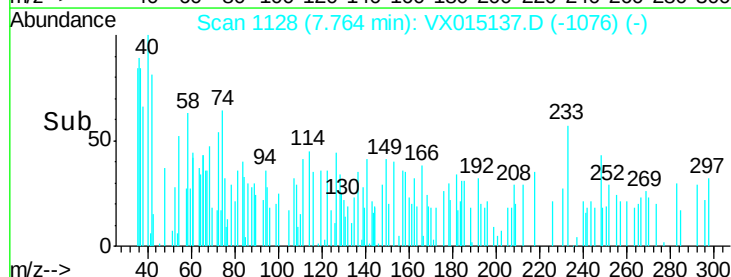
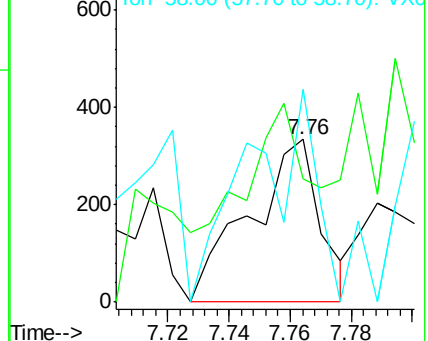
58 79.9 55.6 83.4

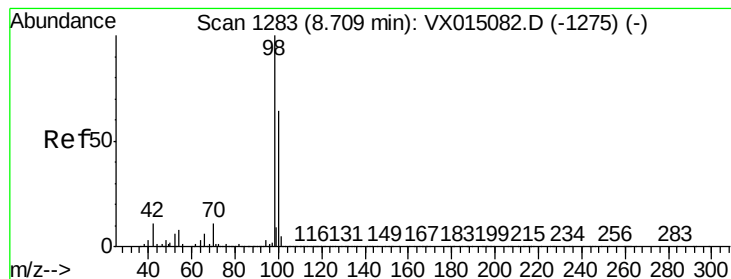


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.62 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

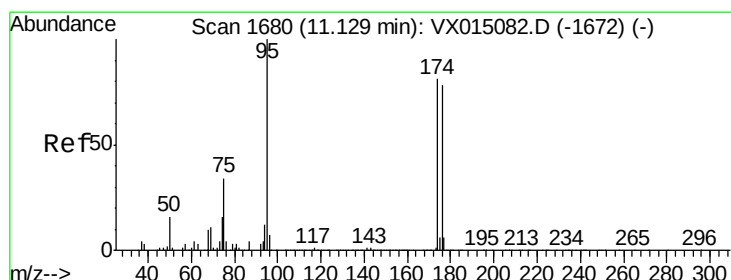
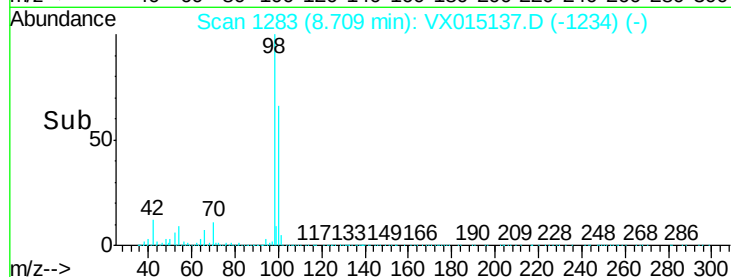
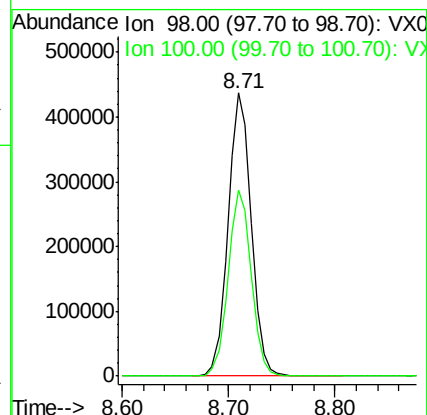
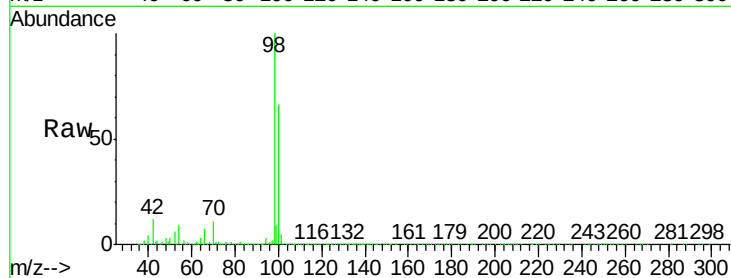
RE126D3-20200303

Tgt Ion: 98 Resp: 665406

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 52.39 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

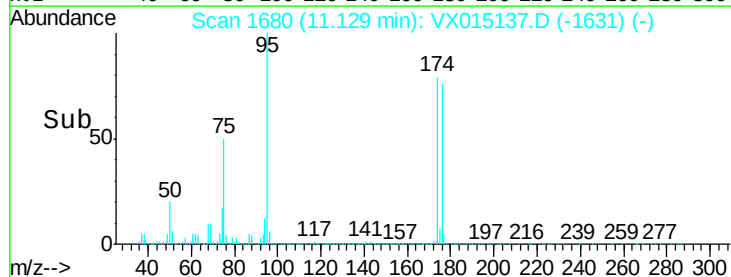
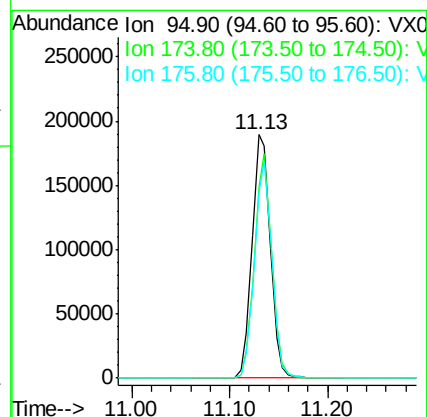
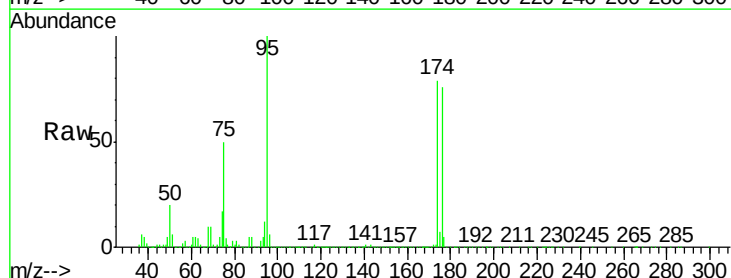
Tgt Ion: 95 Resp: 245650

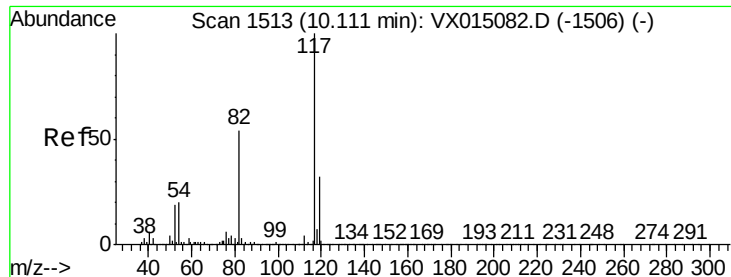
Ion Ratio Lower Upper

95 100

174 87.8 0.0 177.6

176 85.0 0.0 170.2

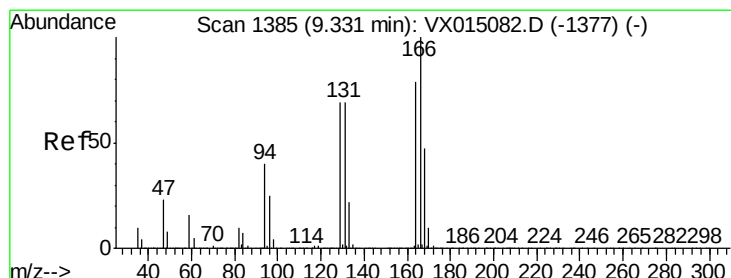
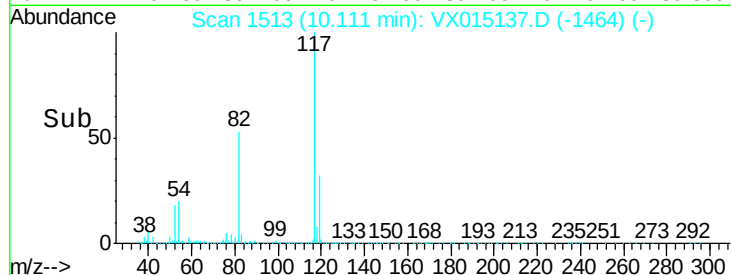
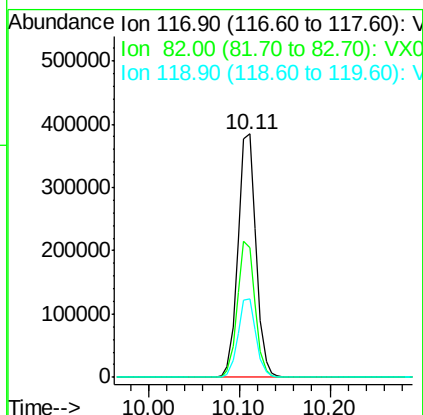
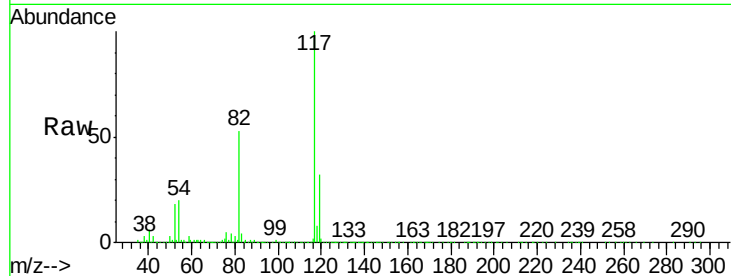




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015137.D
Acq: 09 Mar 2020 13:05

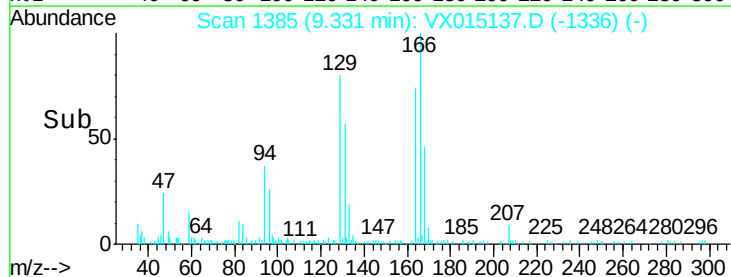
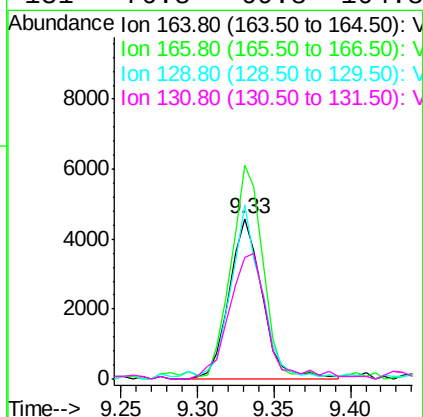
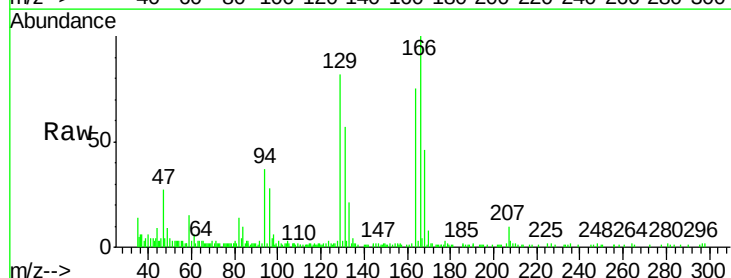
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20200303

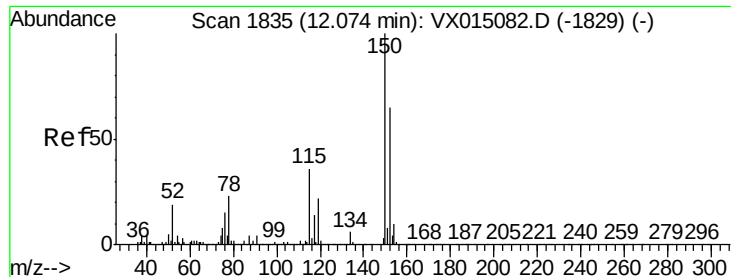
Tgt Ion:117 Resp: 527903
Ion Ratio Lower Upper
117 100
82 53.4 43.3 64.9
119 32.4 25.8 38.8



#64
Tetrachloroethene
Concen: 1.58 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015137.D
Acq: 09 Mar 2020 13:05

Tgt Ion:164 Resp: 6901
Ion Ratio Lower Upper
164 100
166 133.4 101.1 151.7
129 109.1 69.4 104.0#
131 76.8 69.8 104.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

RE126D3-20200303

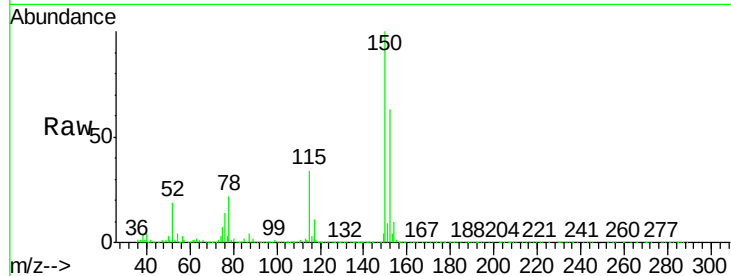
Tgt Ion:152 Resp: 263780

Ion Ratio Lower Upper

152 100

115 55.8 38.2 114.6

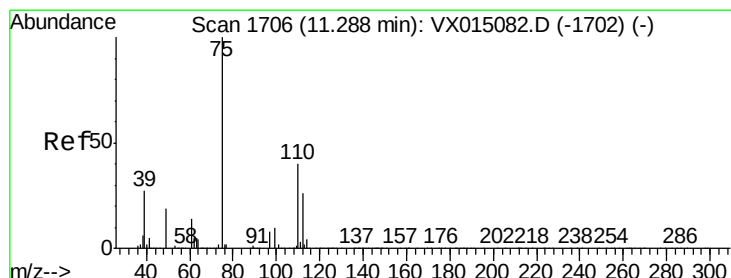
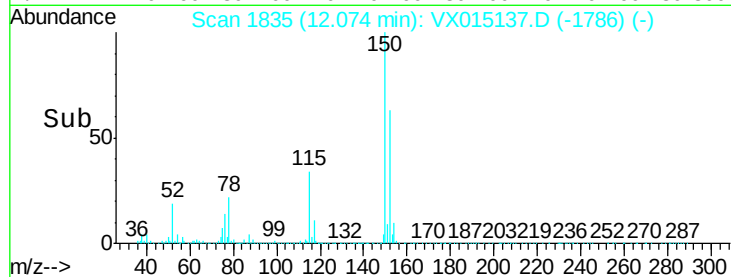
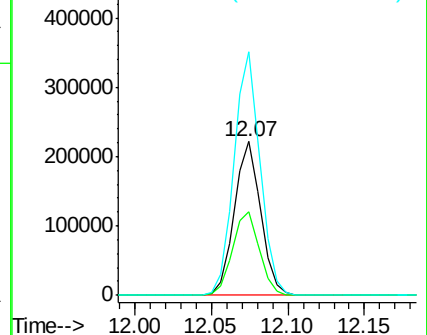
150 157.2 0.0 343.8



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: 22.98 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015137.D

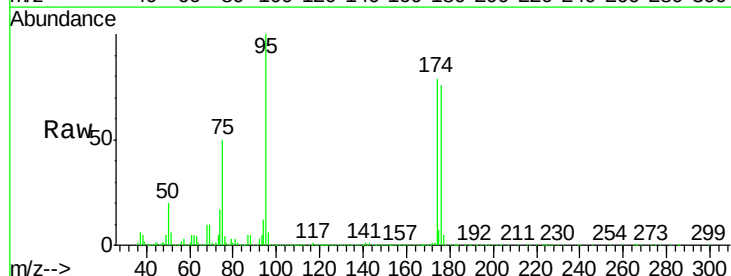
Acq: 09 Mar 2020 13:05

Tgt Ion: 75 Resp: 120924

Ion Ratio Lower Upper

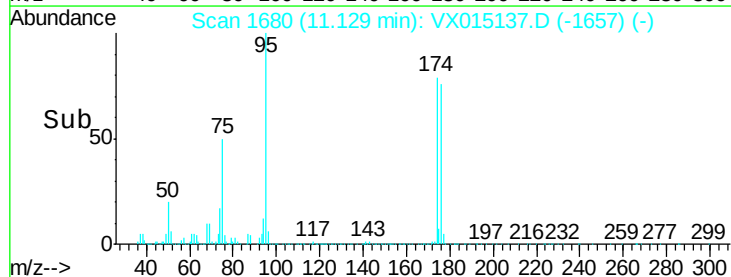
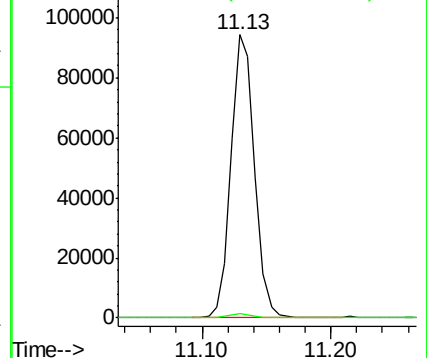
75 100

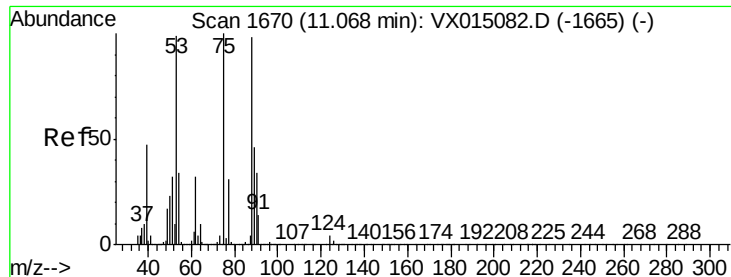
77 1.2 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.22 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

RE126D3-20200303

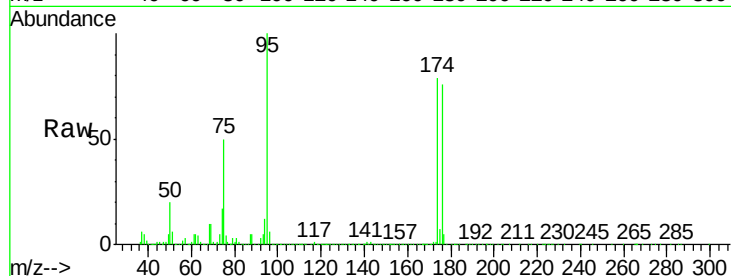
Tgt Ion: 75 Resp: 120924

Ion Ratio Lower Upper

75 100

53 0.3 77.9 116.9#

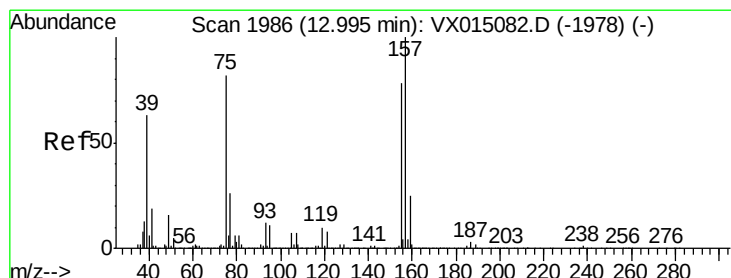
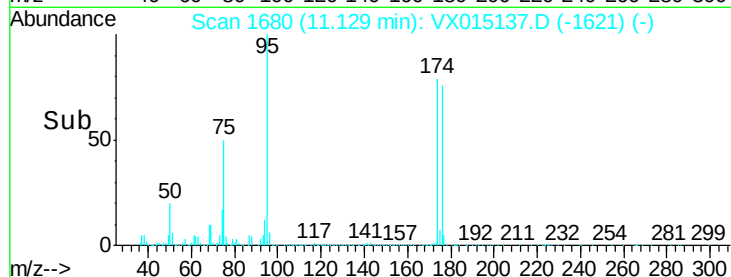
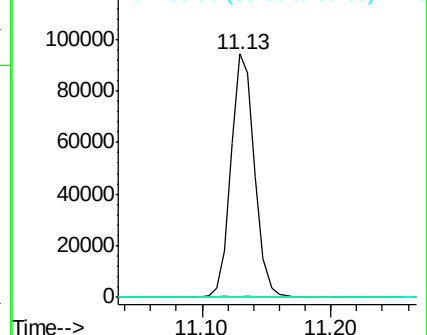
89 0.0 36.2 54.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.22 ug/l

RT: 13.12 min Scan# 2006

Delta R.T. 0.12 min

Lab File: VX015137.D

Acq: 09 Mar 2020 13:05

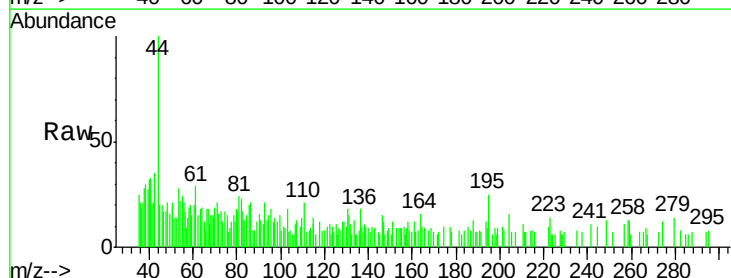
Tgt Ion: 75 Resp: 245

Ion Ratio Lower Upper

75 100

155 79.2 46.6 139.7

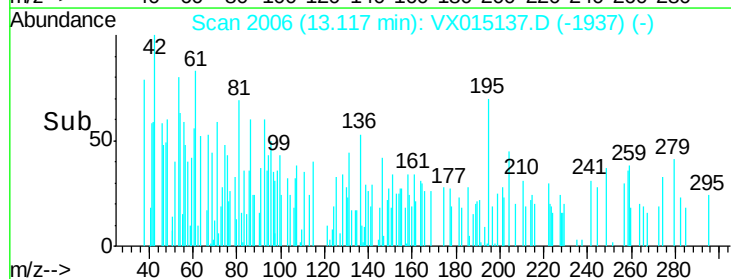
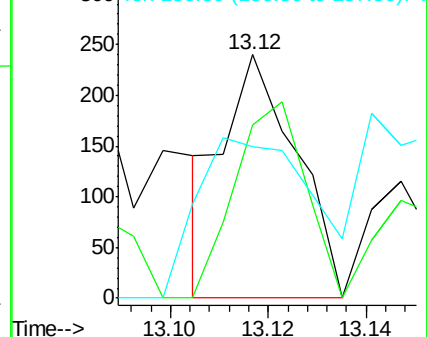
157 105.3 59.2 177.5

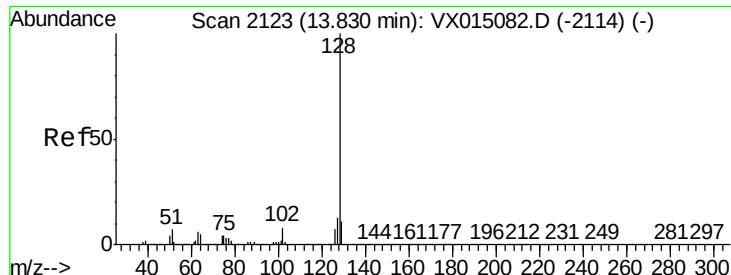


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 1.49 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015137.D

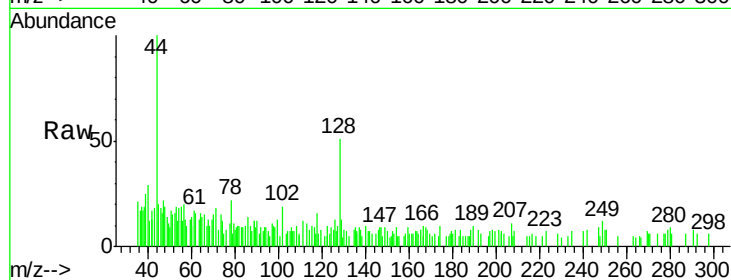
Acq: 09 Mar 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

RE126D3-20200303



Tgt Ion:	128	Resp:	1252
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	13.3	8.6	13.0#

