

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031720\
 Data File : VX015317.D
 Acq On : 17 Mar 2020 12:15
 Operator : JC/SP
 Sample : L1945-03DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20200312DL

Quant Time: Mar 18 01:18:57 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	285420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	454172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	485465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	247612	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	180542	53.32	ug/l	0.00
Spiked Amount						
			Recovery	=	106.64%	
35) Dibromofluoromethane	5.49	113	154517	53.93	ug/l	0.00
Spiked Amount						
			Recovery	=	107.86%	
50) Toluene-d8	8.71	98	619235	56.82	ug/l	0.00
Spiked Amount						
			Recovery	=	113.64%	
62) 4-Bromofluorobenzene	11.13	95	226064	58.15	ug/l	0.00
Spiked Amount						
			Recovery	=	116.30%	

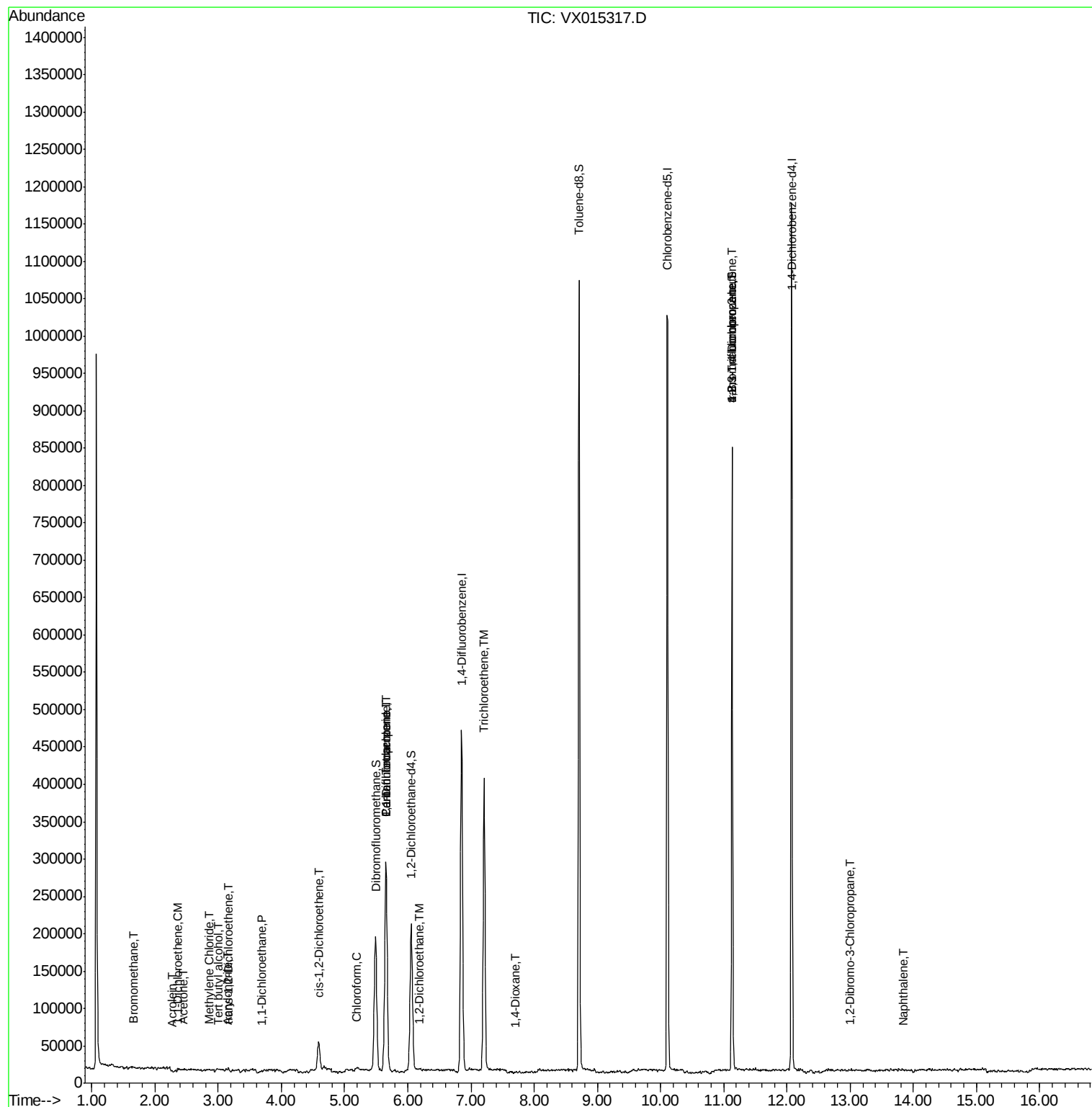
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	499	0.226	ug/l #	35
11) Tert butyl alcohol	3.01	59	1739	2.960	ug/l #	56
12) 1,1-Dichloroethene	2.36	96	730	0.263	ug/l #	51
13) Acrolein	2.28	56	174	0.315	ug/l #	1
15) Acrylonitrile	3.14	53	514	0.351	ug/l #	32
16) Acetone	2.44	43	926	0.675	ug/l #	61
20) Methylene Chloride	2.85	84	1069	0.333	ug/l #	84
21) trans-1,2-Dichloroethene	3.17	96	1780	0.601	ug/l #	56
24) 1,1-Dichloroethane	3.69	63	1728	0.323	ug/l #	73
27) cis-1,2-Dichloroethene	4.59	96	24800	7.464	ug/l	91
30) Chloroform	5.20	83	4921	0.944	ug/l #	82
36) 1,1-Dichloropropene	5.65	75	19437	4.629	ug/l #	46
38) Carbon Tetrachloride	5.65	117	25000	6.308	ug/l #	16
42) 1,2-Dichloroethane	6.17	62	2090	0.489	ug/l #	72
44) Trichloroethene	7.21	130	161634	46.592	ug/l	99
49) 1,4-Dioxane	7.70	88	278	3.687	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	105540	21.368	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	105540	60.643	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.99	75	329	0.312	ug/l #	7
95) Naphthalene	13.84	128	635	1.457	ug/l #	78

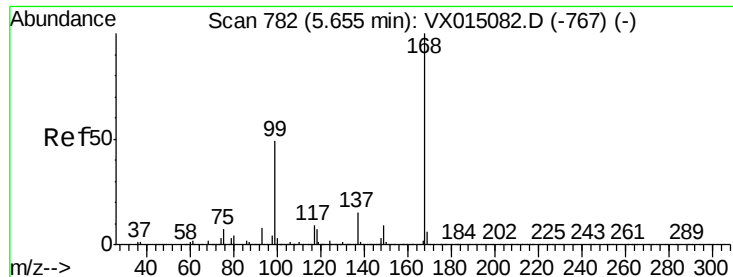
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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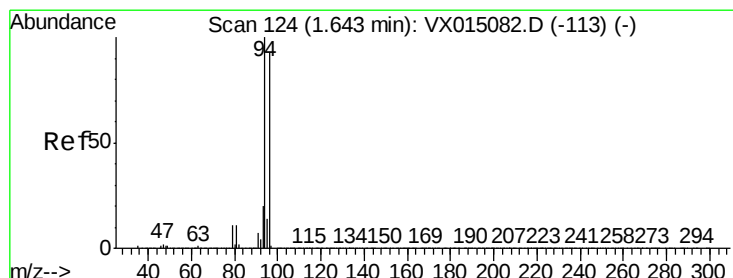
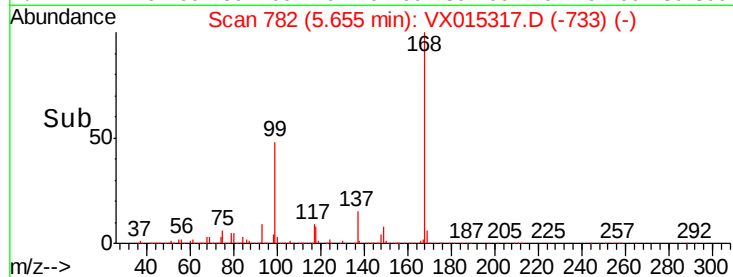
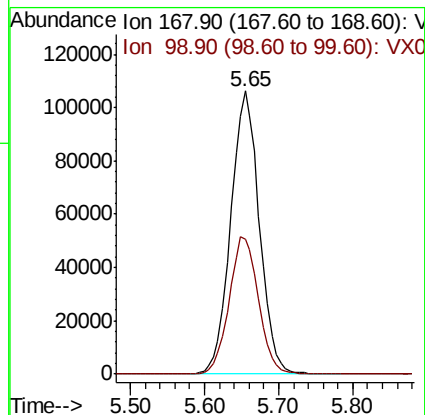
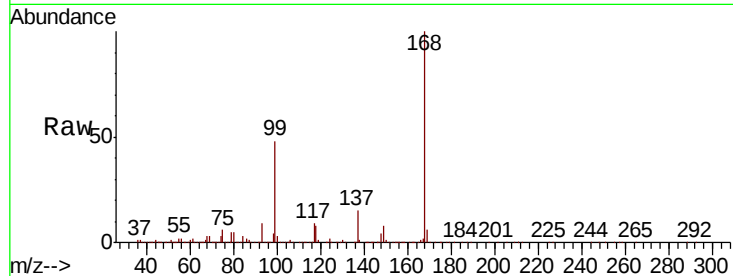


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VX015317.D
 Acq: 17 Mar 2020 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20200312DL

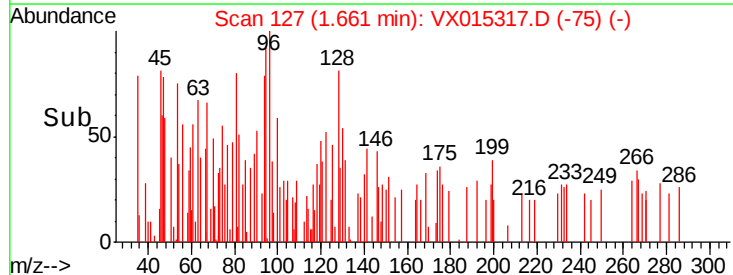
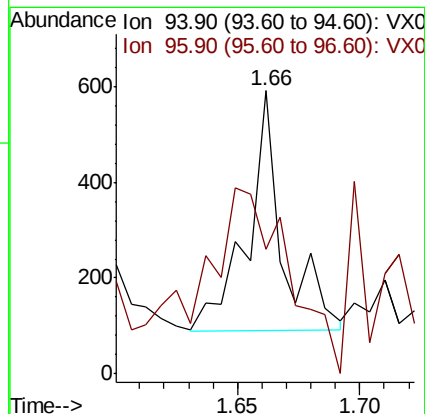
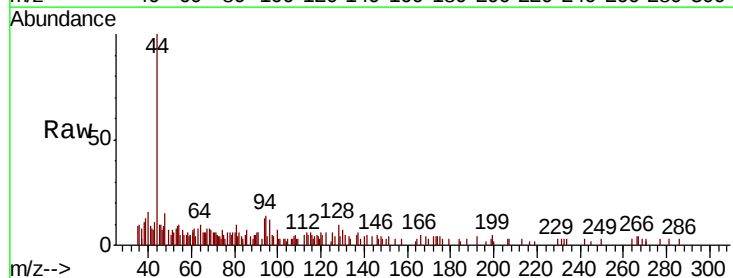
Tot Ion:168 Resp: 285420
 Ion Ratio Lower Upper
 168 100
 99 47.6 39.4 59.2

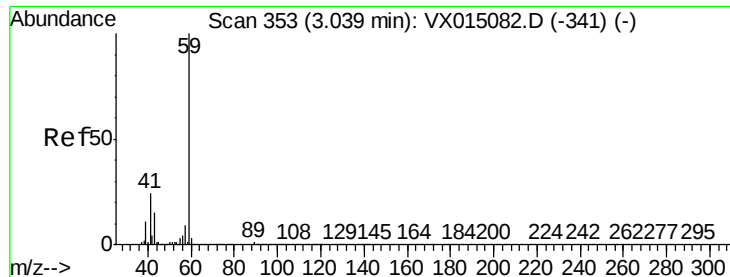


#5

Bromomethane
 Concen: 0.226 ug/l
 RT: 1.66 min Scan# 127
 Delta R.T. 0.02 min
 Lab File: VX015317.D
 Acq: 17 Mar 2020 12:15

Tgt Ion: 94 Resp: 499
 Ion Ratio Lower Upper
 94 100
 96 30.5 74.6 111.8#

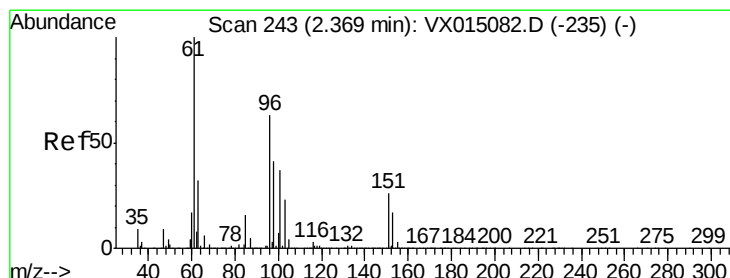
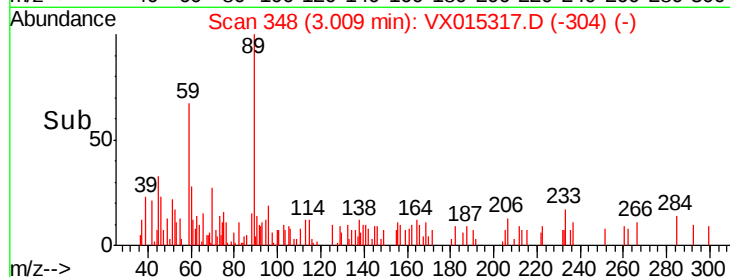
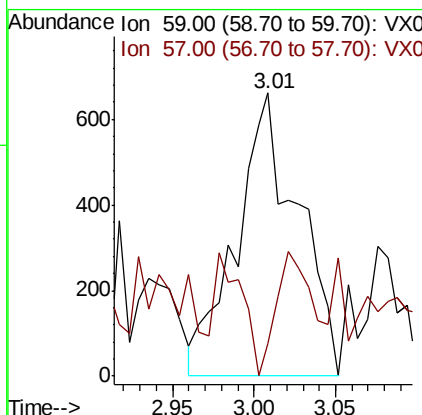
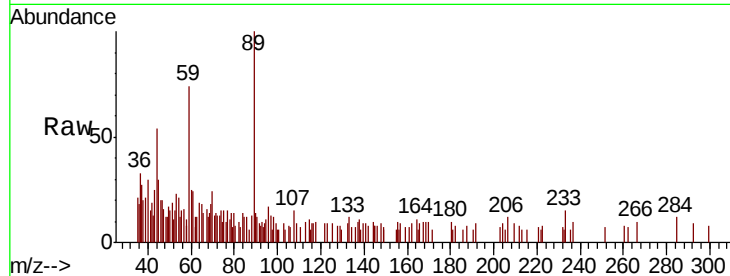




#11
Tert butyl alcohol
Concen: 2.960 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX015317.D
Acq: 17 Mar 2020 12:15

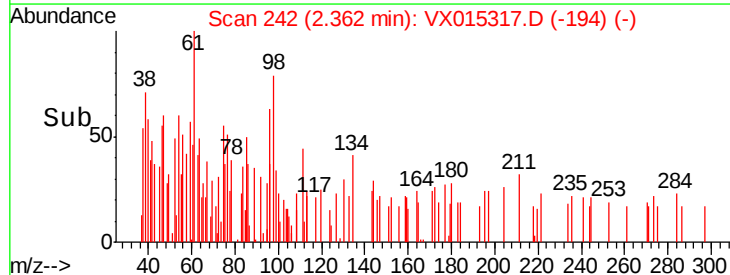
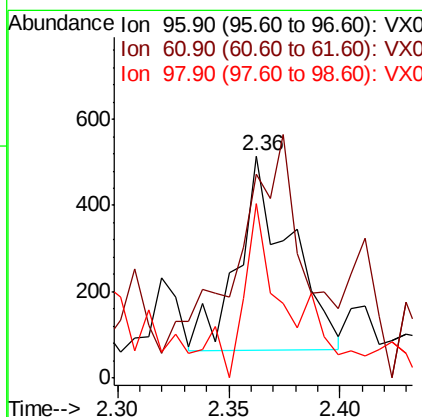
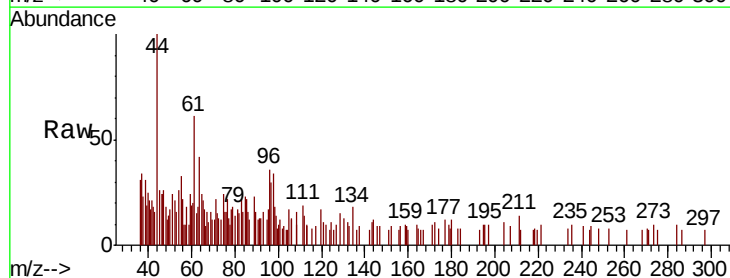
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20200312DL

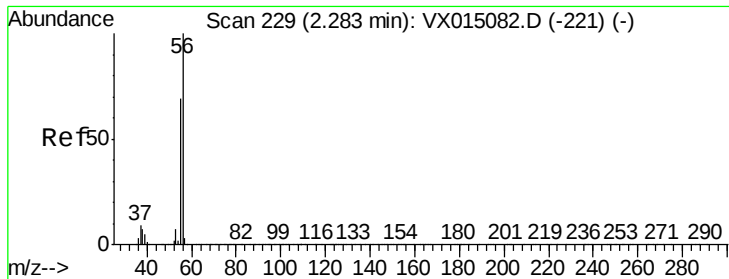
Tot Ion: 59 Resp: 1739
Ion Ratio Lower Upper
59 100
57 26.6 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.263 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX015317.D
Acq: 17 Mar 2020 12:15

Tgt Ion: 96 Resp: 730
Ion Ratio Lower Upper
96 100
61 77.4 126.2 189.4#
98 79.0 51.4 77.0#





#13

Acrolein

Concen: 0.315 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

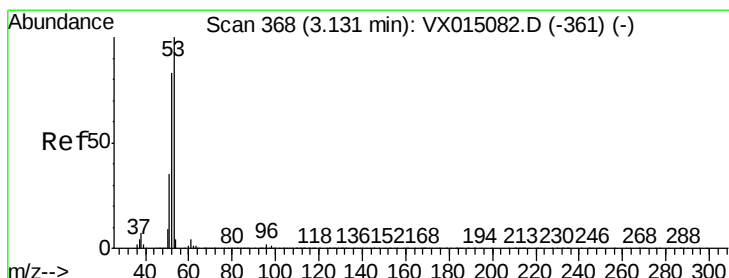
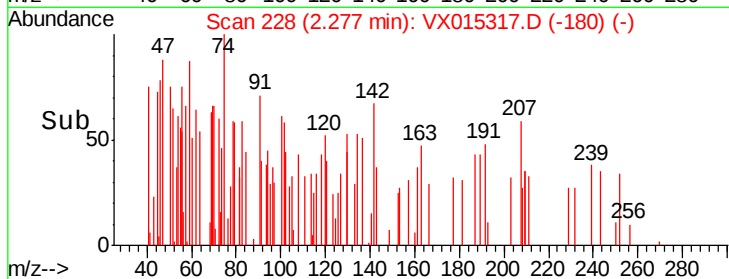
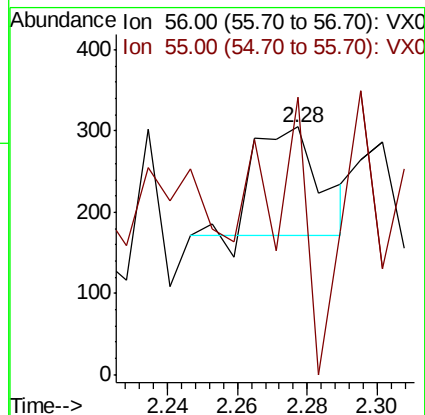
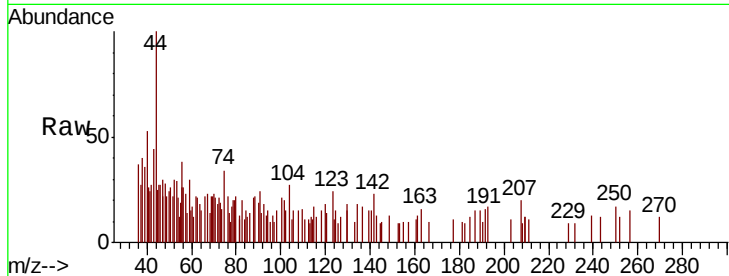
RE104D2-20200312DL

Tot Ion: 56.00 Resp: 174

Ion Ratio Lower Upper

56 100

55 164.9 55.4 83.0#



#15

Acrylonitrile

Concen: 0.351 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

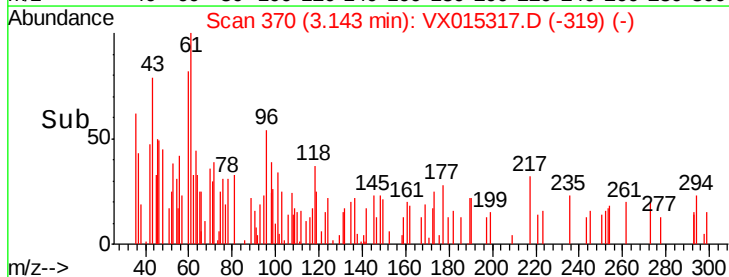
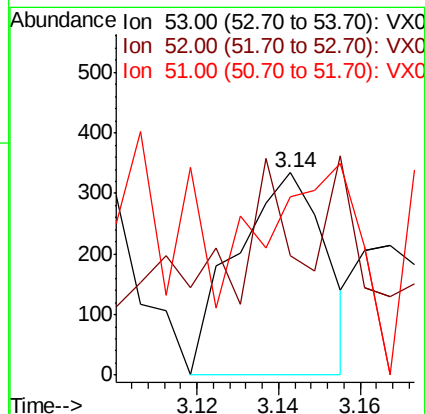
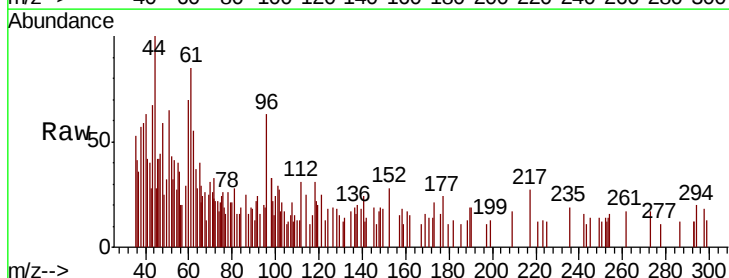
Tgt Ion: 53 Resp: 514

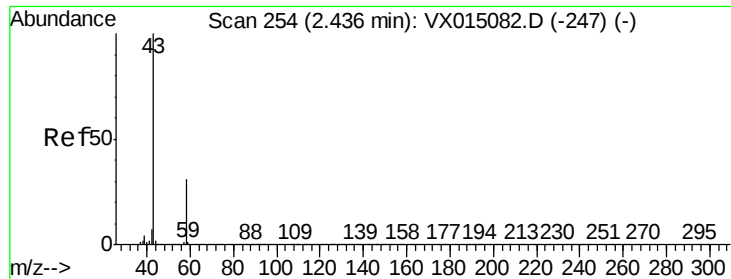
Ion Ratio Lower Upper

53 100

52 25.5 66.6 100.0#

51 82.7 29.0 43.6#





#16

Acetone

Concen: 0.675 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

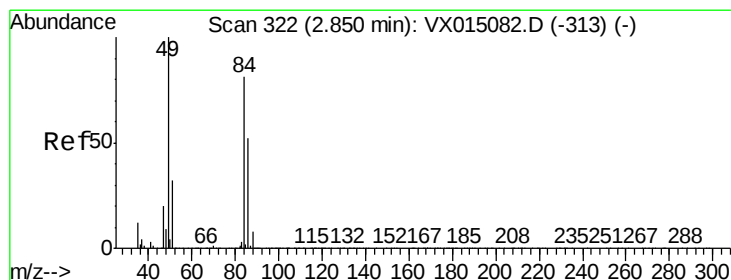
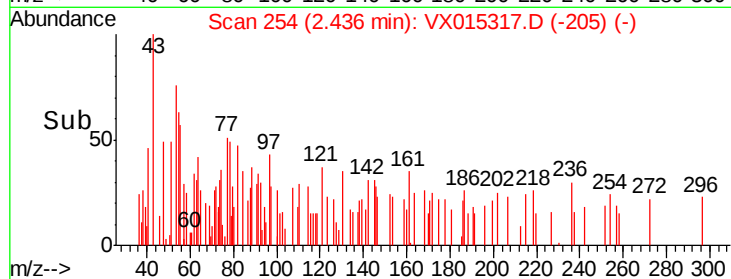
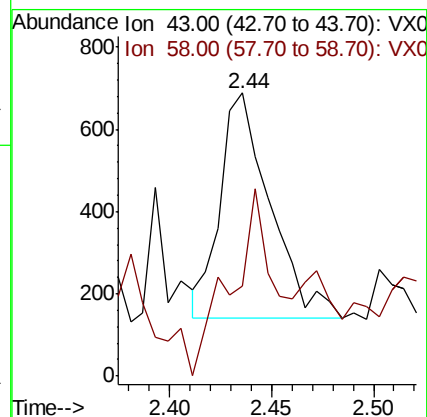
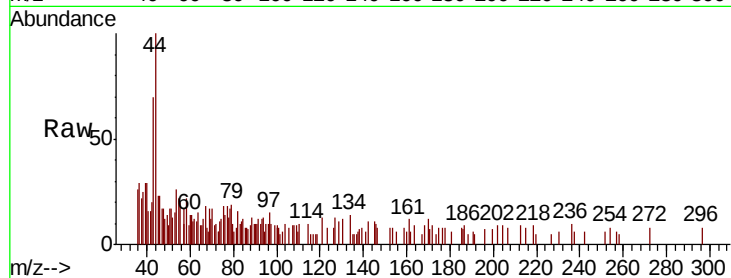
RE104D2-20200312DL

Tot Ion: 43 Resp: 926

Ion Ratio Lower Upper

43 100

58 9.7 24.8 37.2#



#20

Methylene Chloride

Concen: 0.333 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

Tgt Ion: 84 Resp: 1069

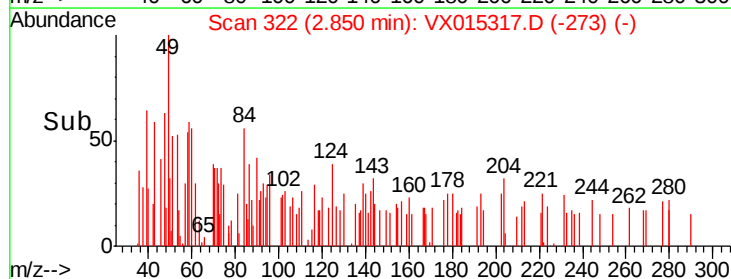
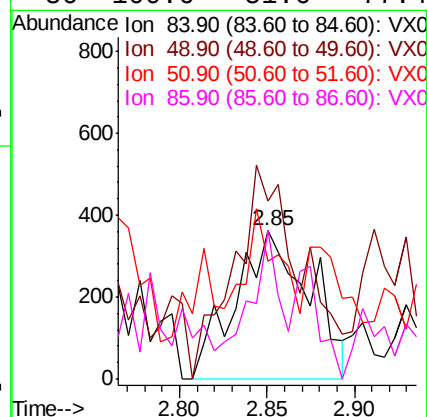
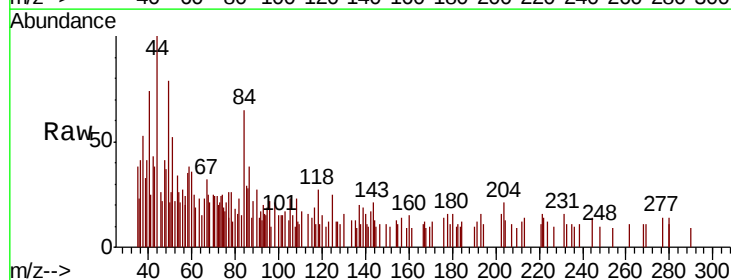
Ion Ratio Lower Upper

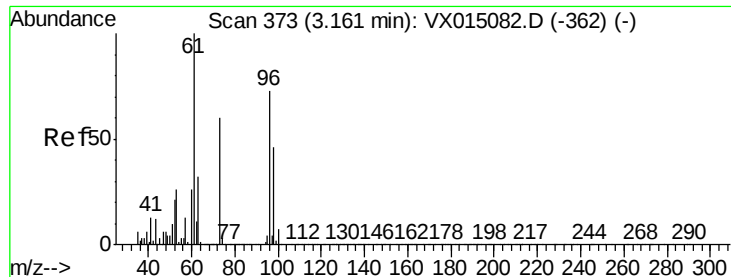
84 100

49 120.2 99.4 149.2

51 35.1 31.5 47.3

86 100.6 51.6 77.4#





#21

trans-1,2-Dichloroethene

Concen: 0.601 ug/l

RT: 3.17 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20200312DL

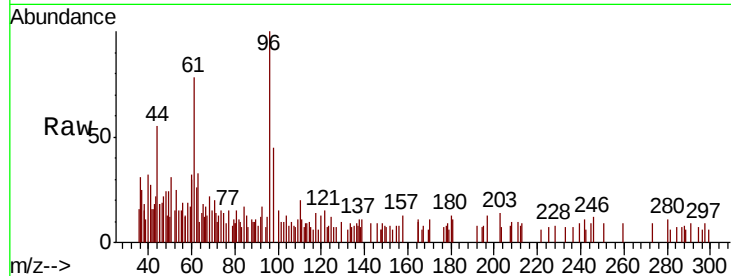
Tot Ion: 96 Resp: 1780

Ion Ratio Lower Upper

96 100

61 77.6 109.9 164.9#

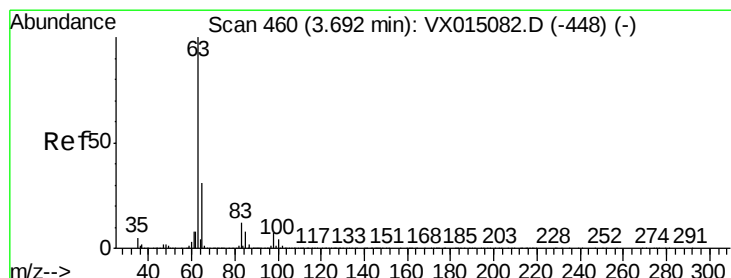
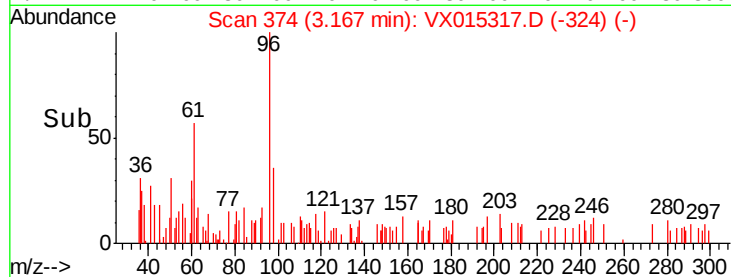
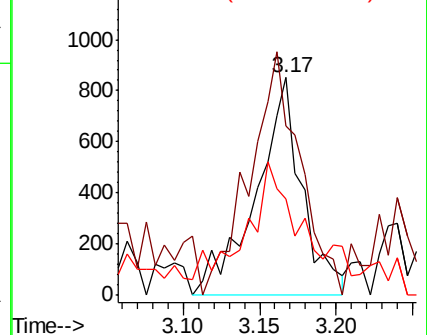
98 37.2 50.2 75.2#



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



#24

1,1-Dichloroethane

Concen: 0.323 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

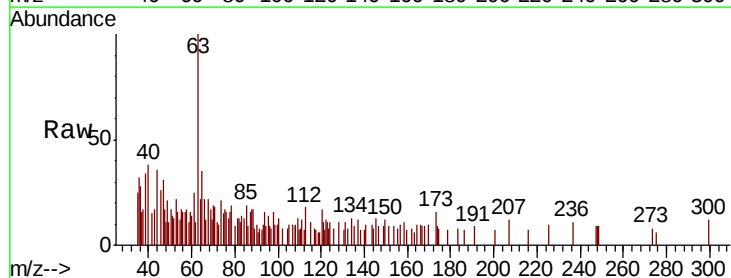
Tgt Ion: 63 Resp: 1728

Ion Ratio Lower Upper

63 100

98 5.9 3.7 11.1

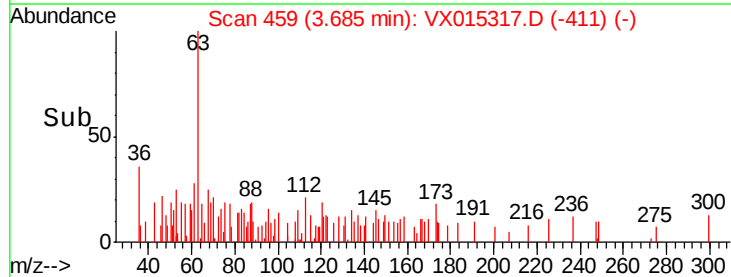
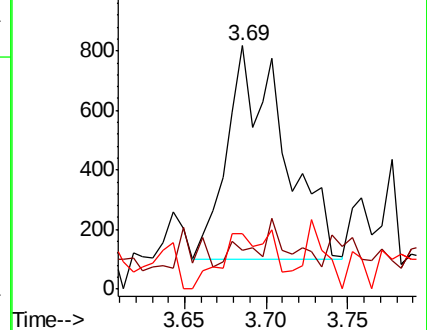
100 26.2 2.1 6.5#

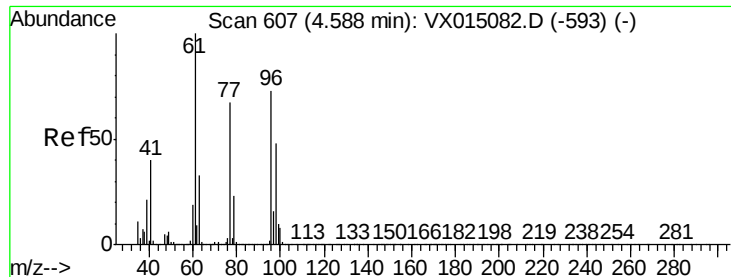


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



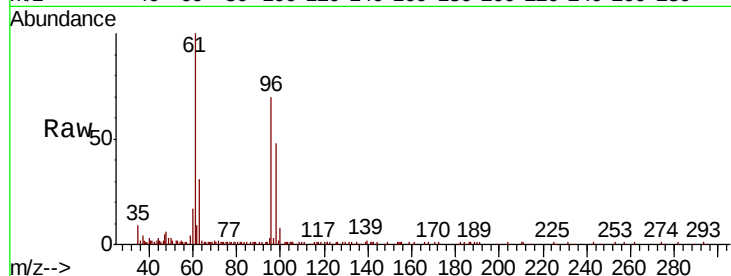


#27

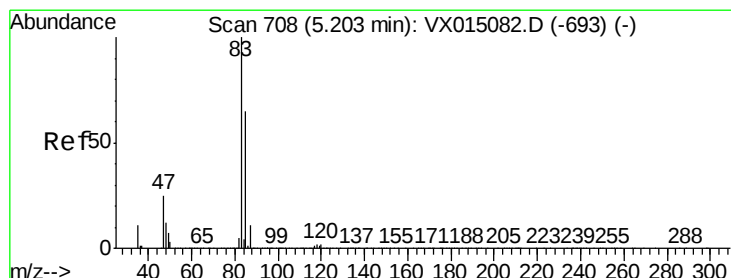
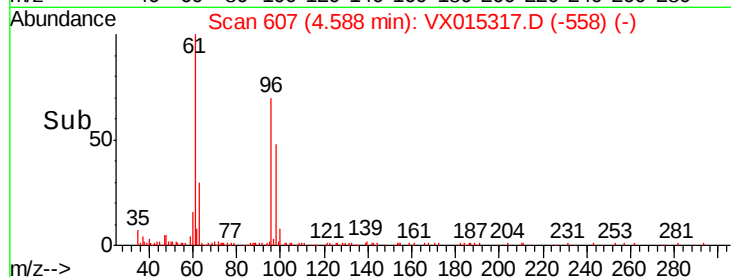
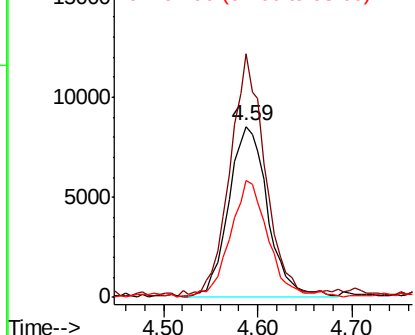
cis-1,2-Dichloroethene
Concen: 7.464 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX015317.D
Acq: 17 Mar 2020 12:15

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Tot Ion	Ratio	Lower	Upper
96	100		
61	128.7	0.0	286.8
98	65.2	0.0	128.4



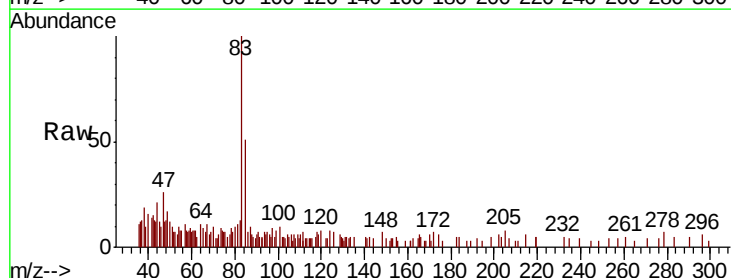
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



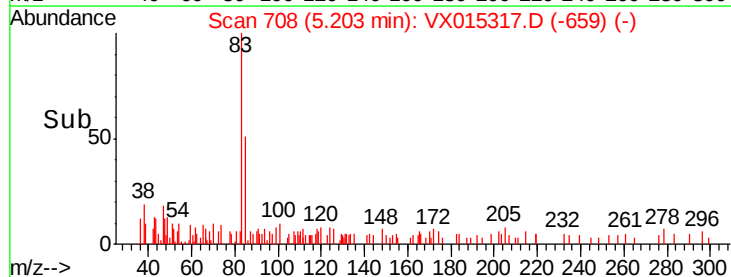
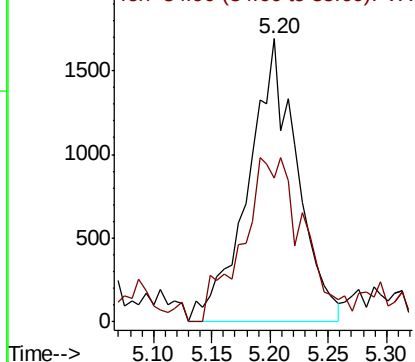
#30

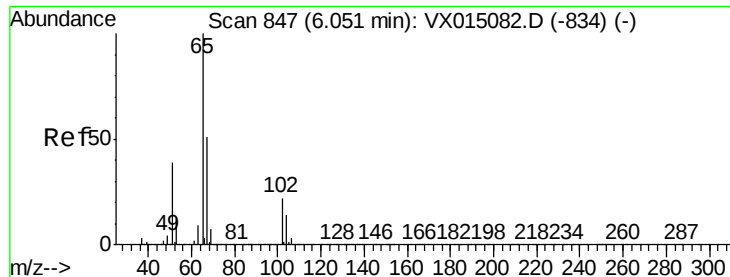
Chloroform
Concen: 0.944 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX015317.D
Acq: 17 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	50.8	52.0	78.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

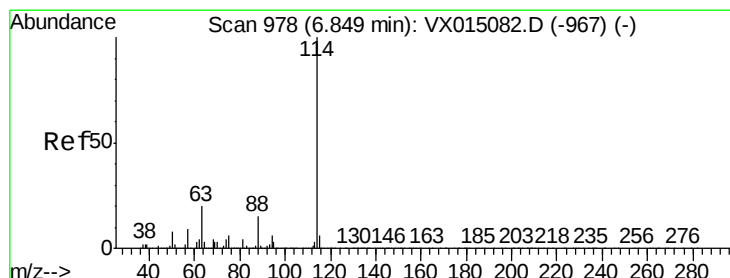
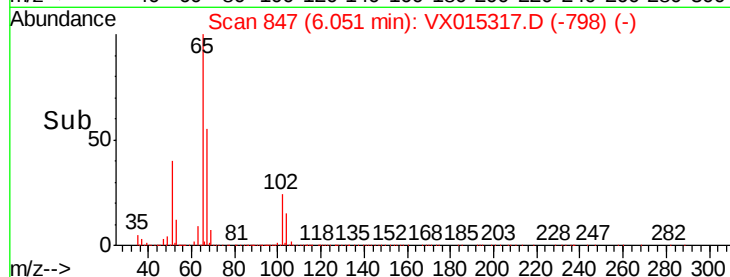
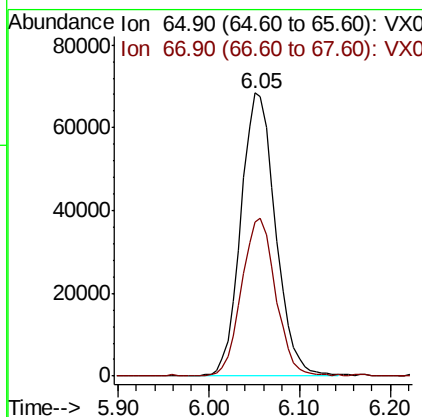
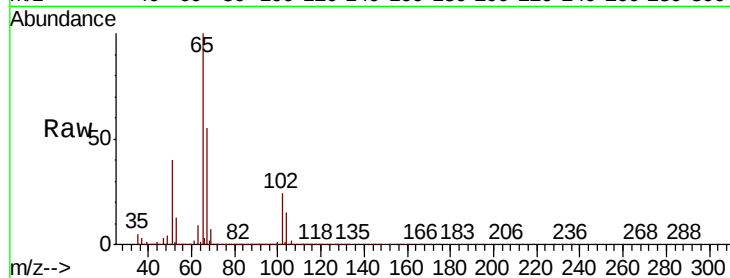




#33
 1,2-Dichloroethane-d4
 Concen: 53.318 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX015317.D
 Acq: 17 Mar 2020 12:15

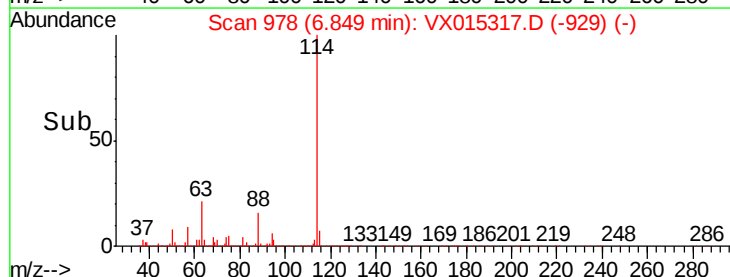
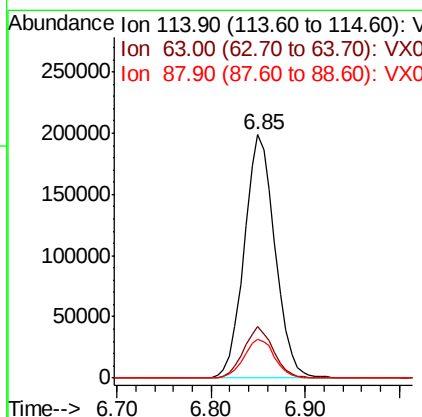
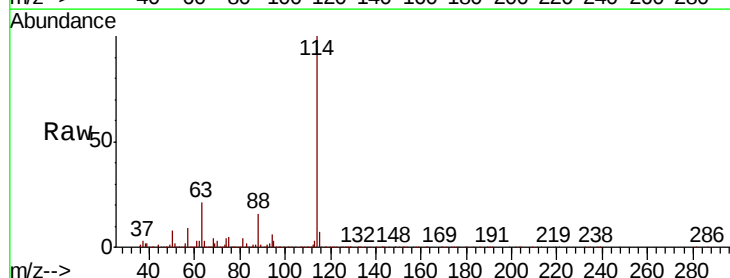
Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20200312DL

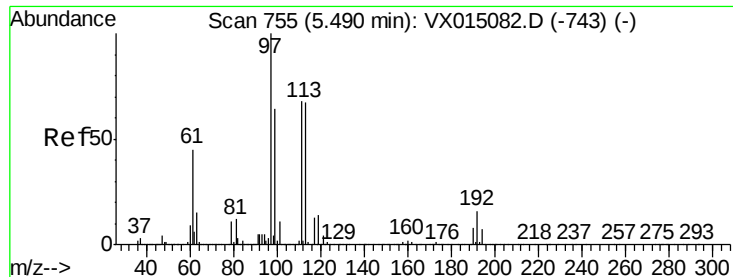
Tot Ion: 65 Resp: 180542
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015317.D
 Acq: 17 Mar 2020 12:15

Tgt Ion: 114 Resp: 454172
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.0
 88 15.8 0.0 30.6

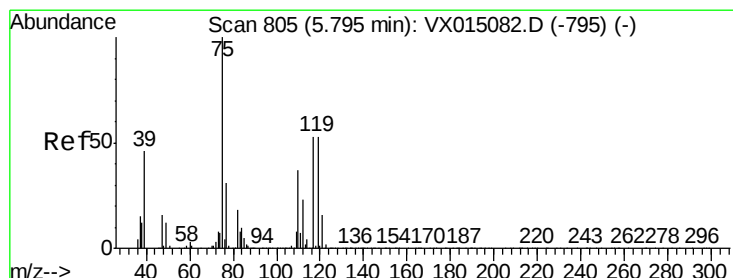
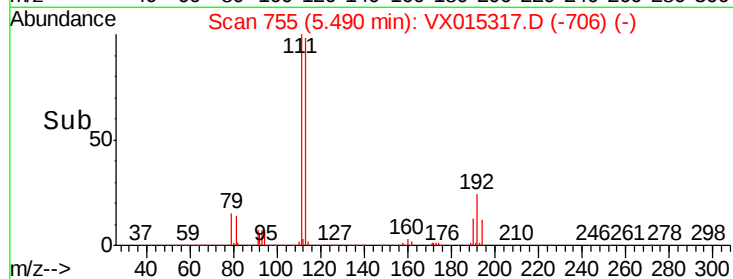
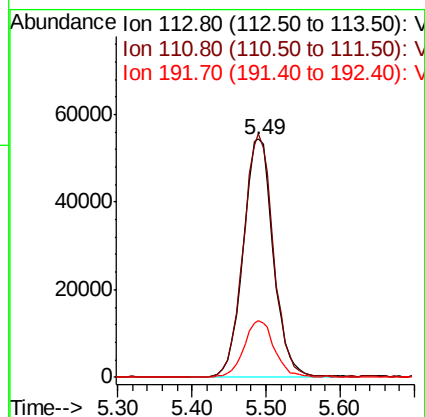
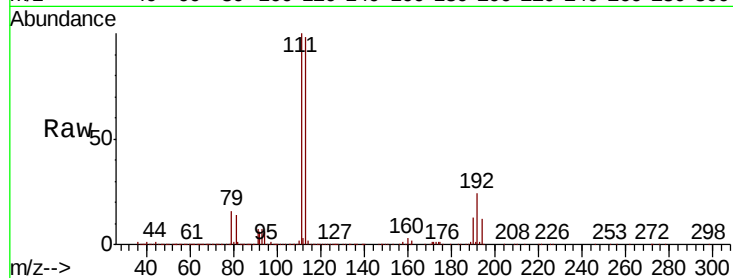




#35
Dibromofluoromethane
Concen: 53.928 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX015317.D
Acq: 17 Mar 2020 12:15

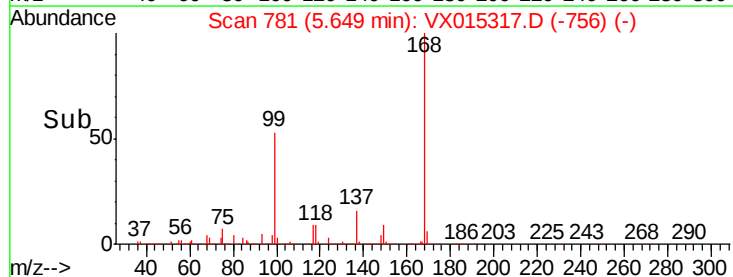
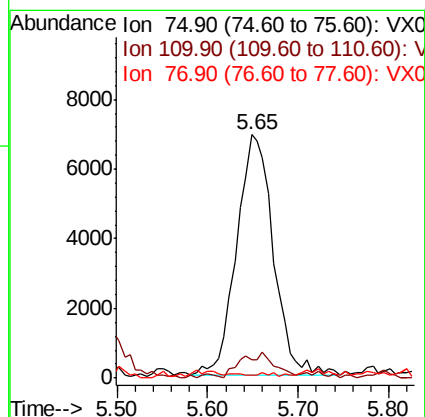
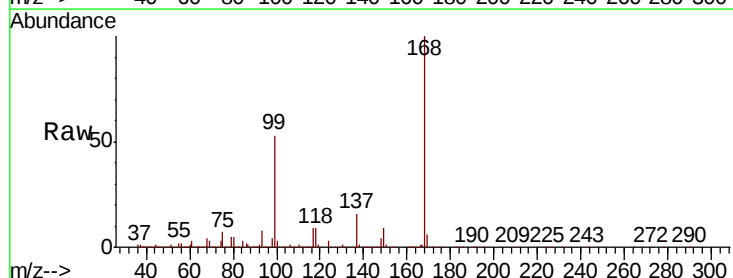
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20200312DL

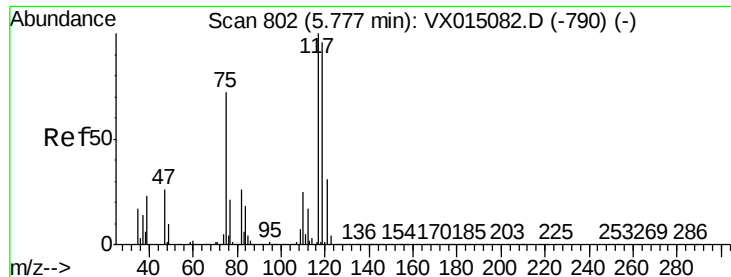
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	123.8
192	24.0	18.6	28.0



#36
1,1-Dichloropropene
Concen: 4.629 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.15 min
Lab File: VX015317.D
Acq: 17 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.3	17.9	53.8#
77	0.1	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.308 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20200312DL

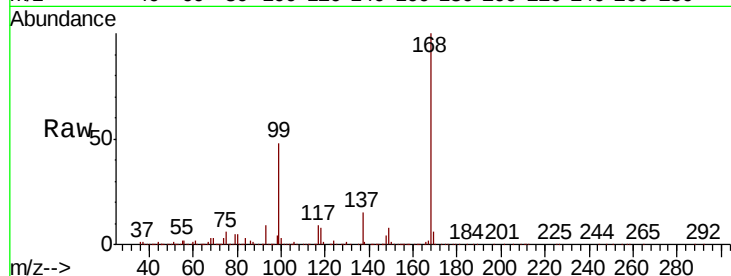
Tot Ion:117 Resp: 25000

Ion Ratio Lower Upper

117 100

119 5.5 76.9 115.3#

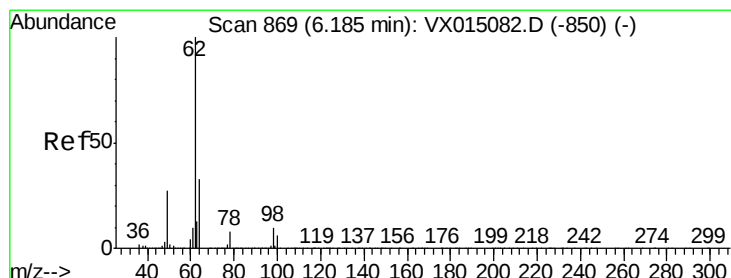
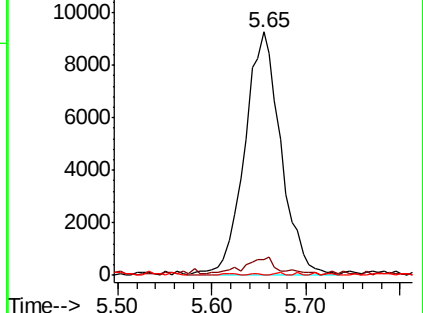
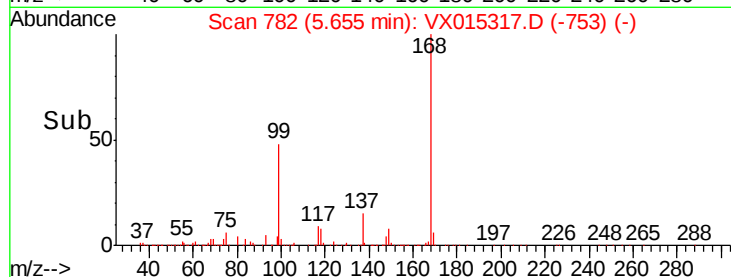
121 0.0 24.6 37.0#



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



#42

1,2-Dichloroethane

Concen: 0.489 ug/l

RT: 6.17 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX015317.D

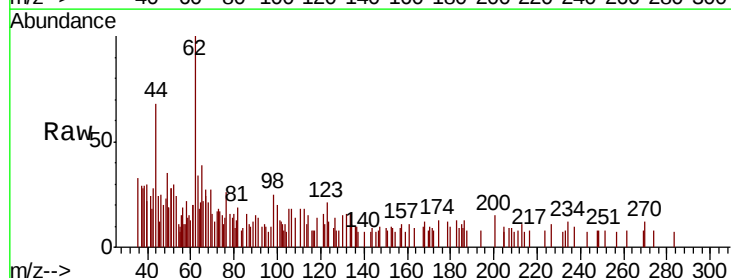
Acq: 17 Mar 2020 12:15

Tgt Ion: 62 Resp: 2090

Ion Ratio Lower Upper

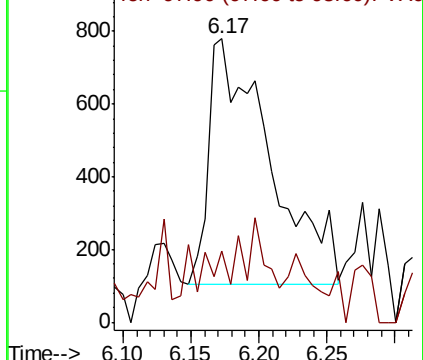
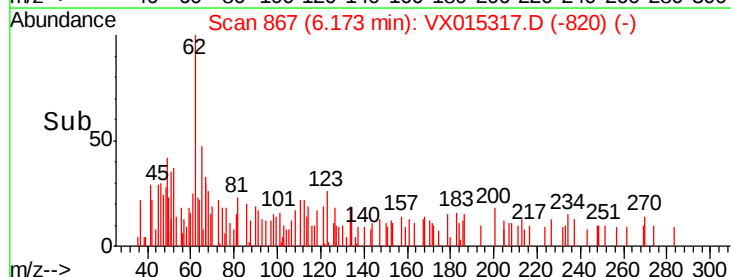
62 100

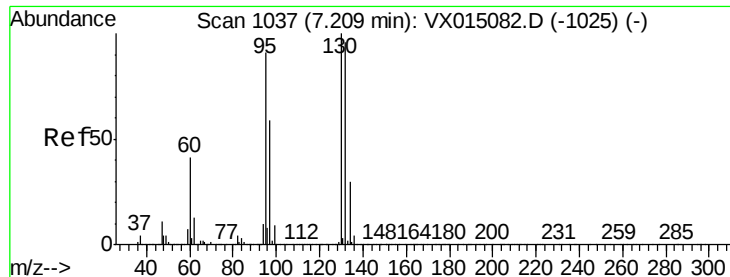
98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 46.592 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

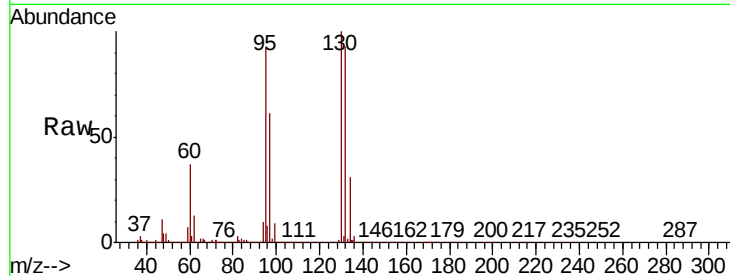
RE104D2-20200312DL

Tot Ion:130 Resp: 161634

Ion Ratio Lower Upper

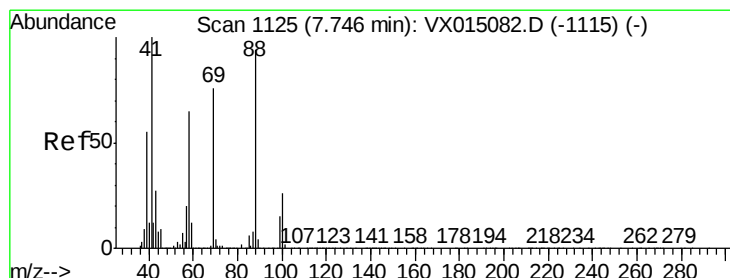
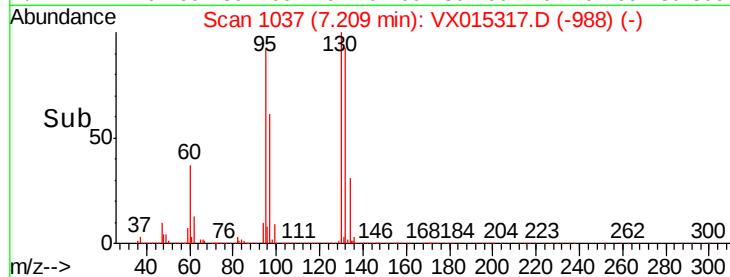
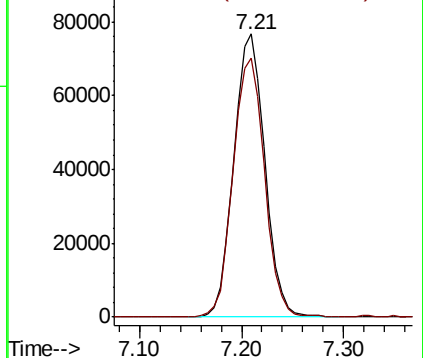
130 100

95 91.4 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: 3.687 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.04 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

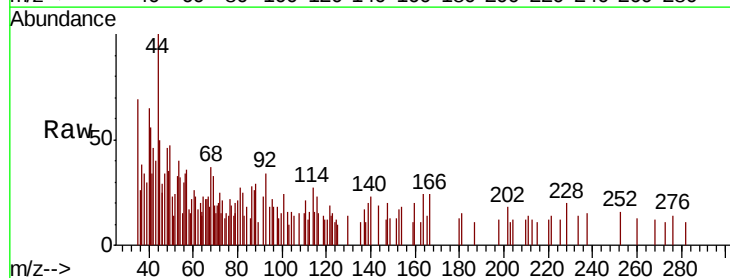
Tgt Ion: 88 Resp: 278

Ion Ratio Lower Upper

88 100

43 27.7 27.0 40.4

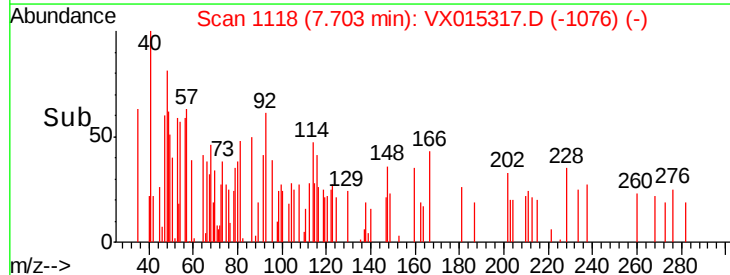
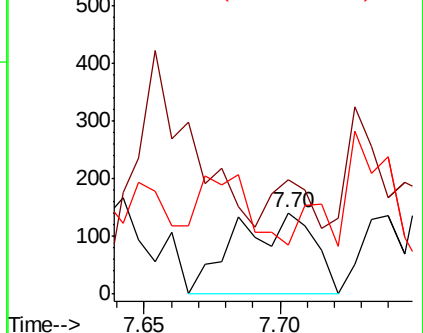
58 70.5 55.6 83.4

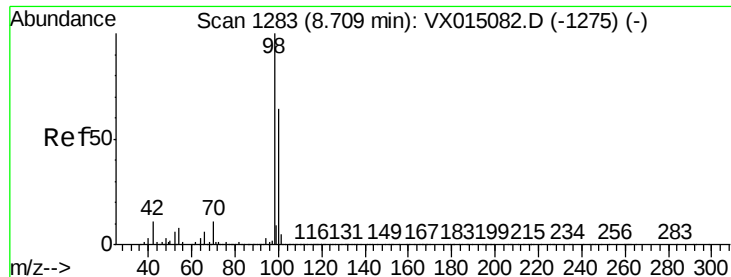


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 56.816 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

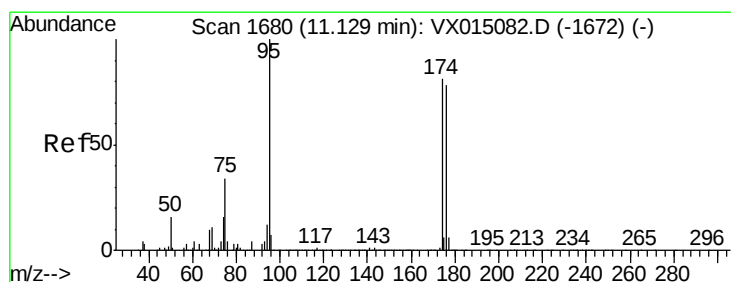
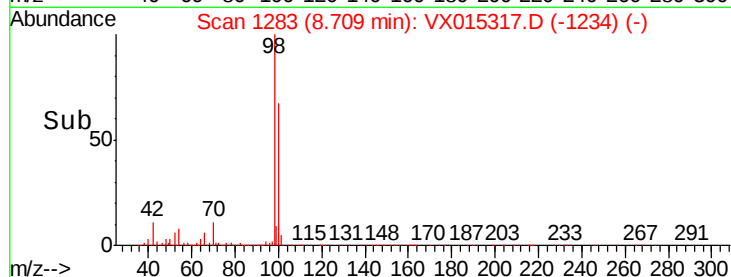
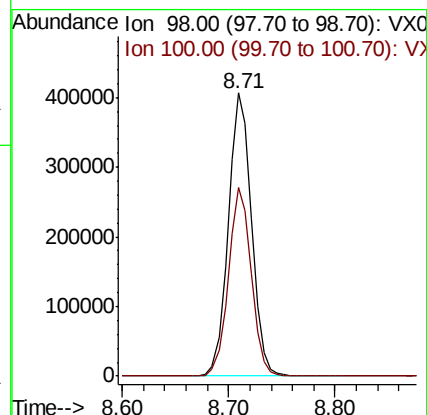
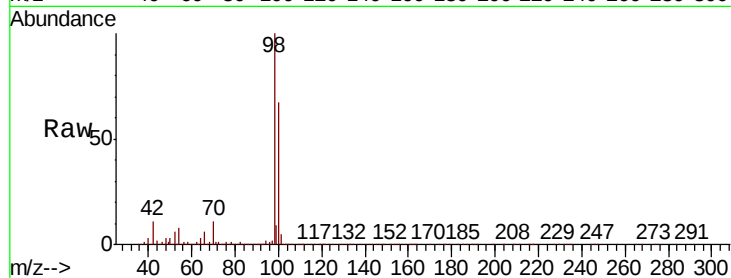
RE104D2-20200312DL

Tot Ion: 98 Resp: 619235

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 58.151 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

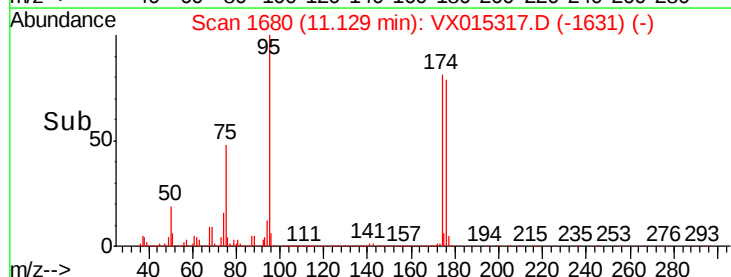
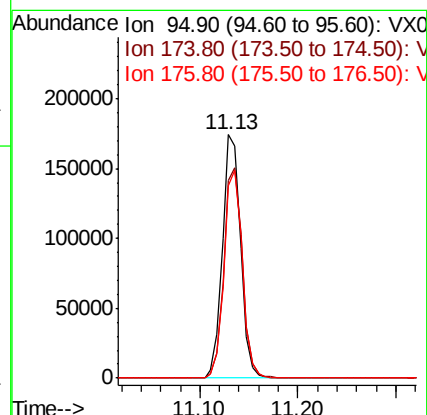
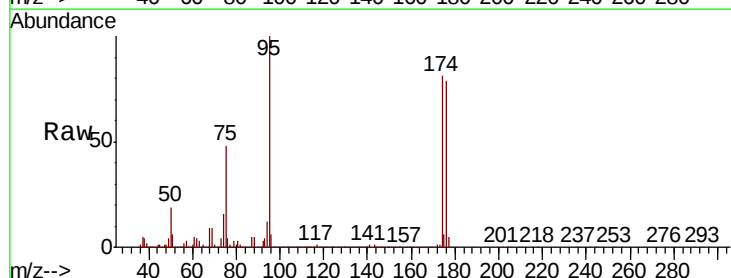
Tgt Ion: 95 Resp: 226064

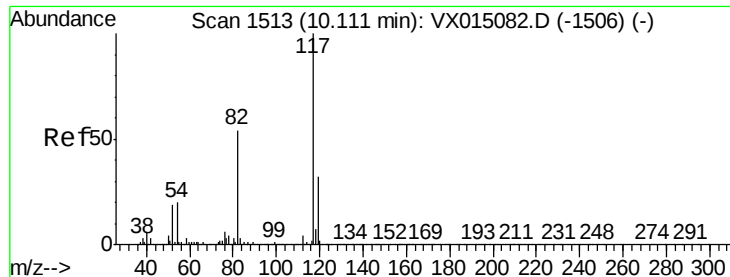
Ion Ratio Lower Upper

95 100

174 87.2 0.0 177.6

176 85.2 0.0 170.2

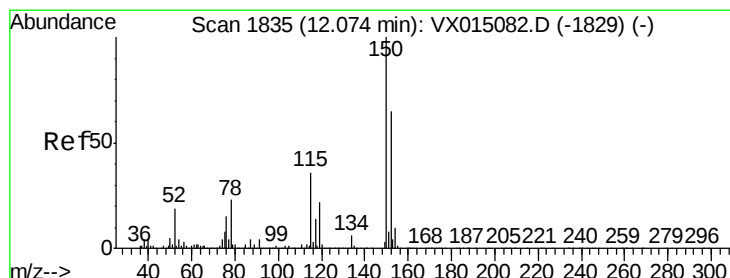
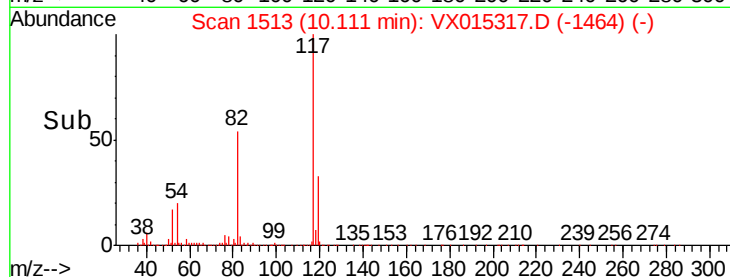
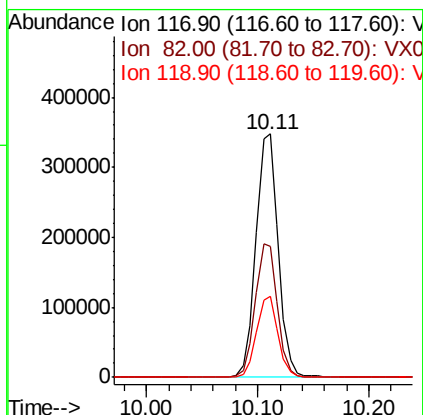
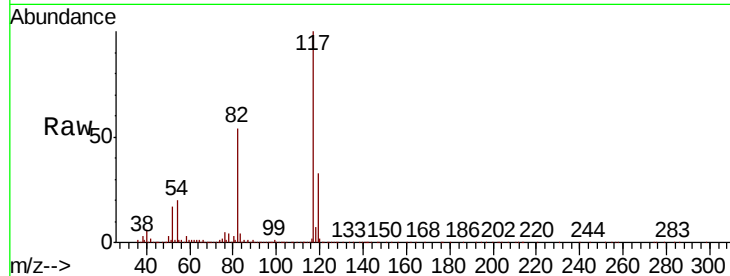




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015317.D
Acq: 17 Mar 2020 12:15

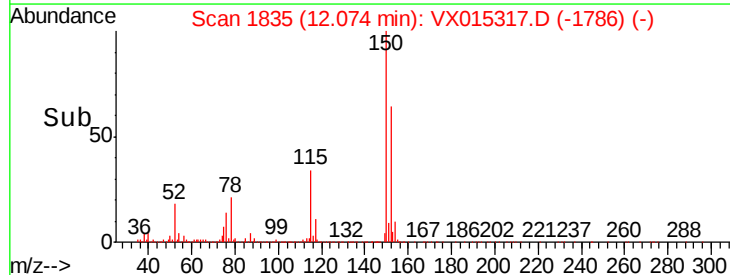
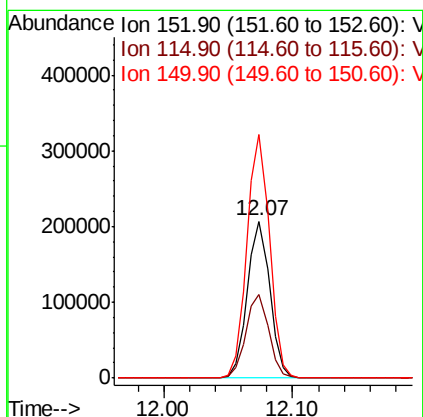
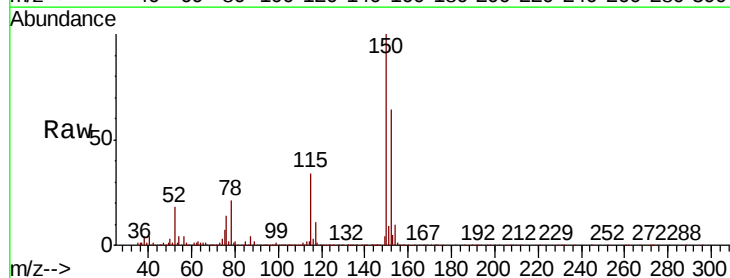
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20200312DL

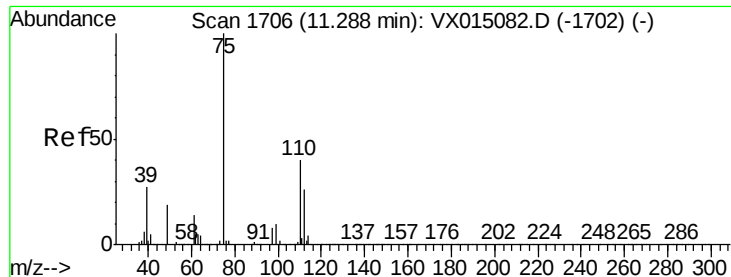
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.3	64.9
119	33.0	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015317.D
Acq: 17 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	38.2	114.6
150	156.2	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 21.368 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

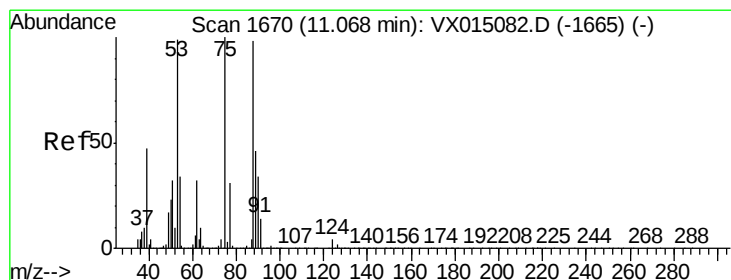
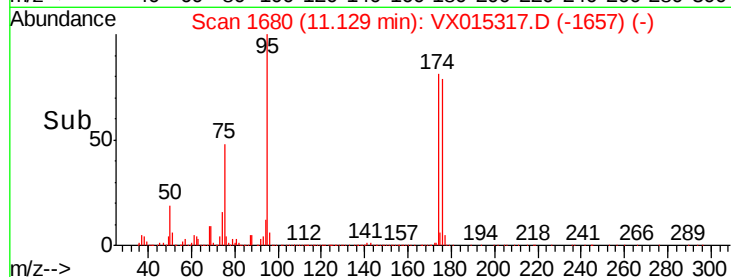
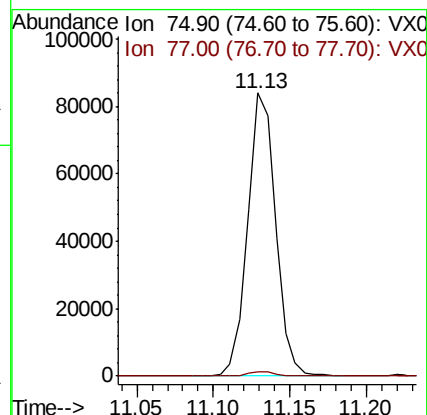
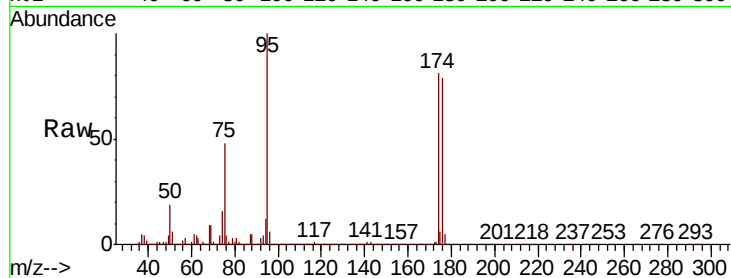
RE104D2-20200312DL

Tot Ion: 75 Resp: 105540

Ion Ratio Lower Upper

75 100

77 1.7 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.643 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015317.D

Acq: 17 Mar 2020 12:15

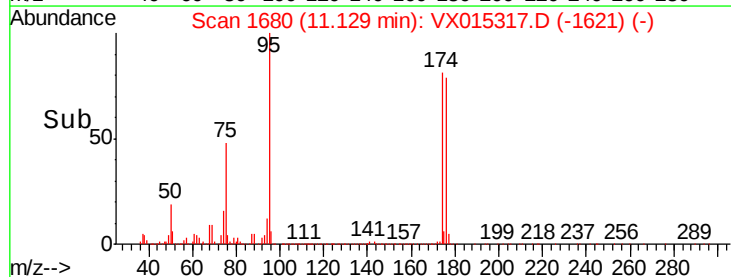
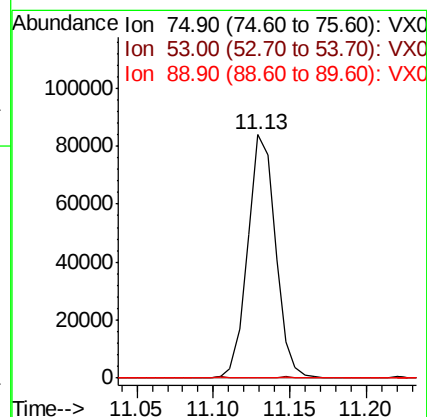
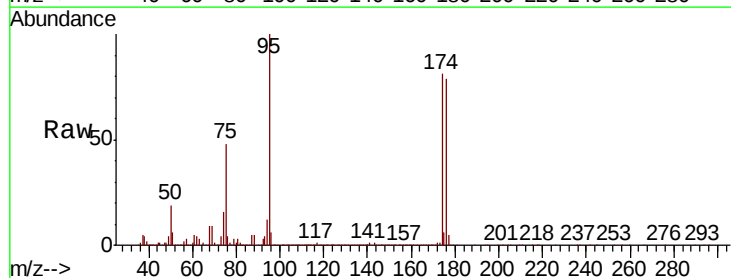
Tgt Ion: 75 Resp: 105540

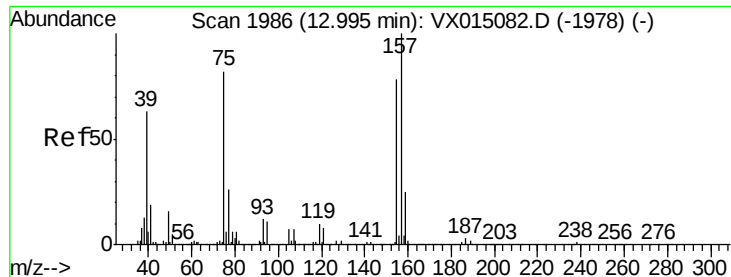
Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.0 36.2 54.2#

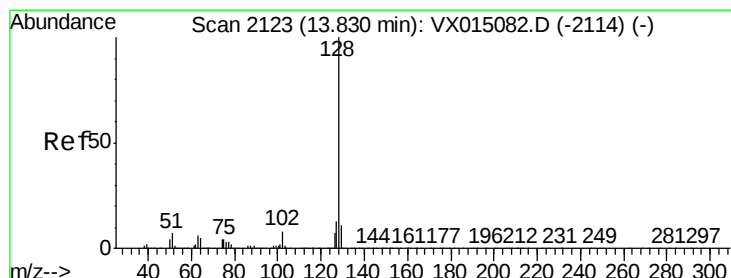
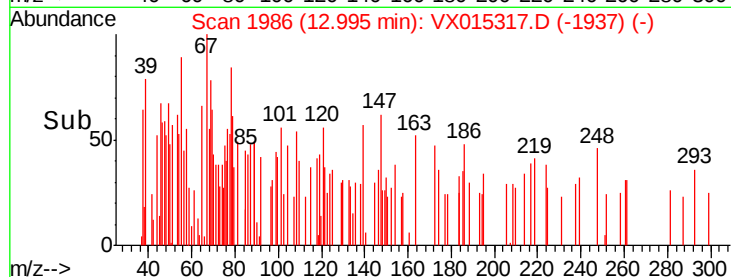
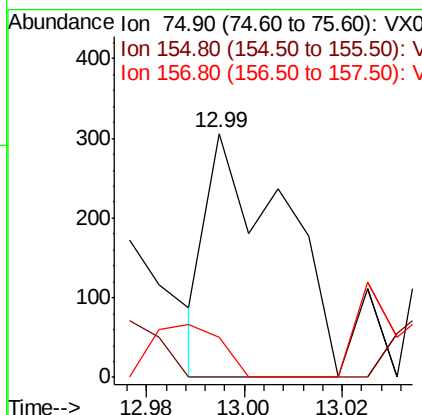
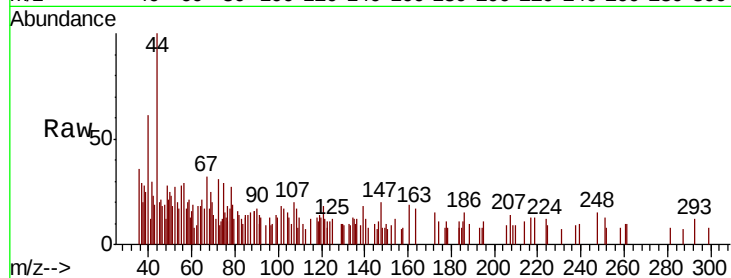




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.312 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX015317.D
 Acq: 17 Mar 2020 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20200312DL

Tot Ion: 75 Resp: 329
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.6 139.7#
 157 19.8 59.2 177.5#



#95
 Naphthalene
 Concen: 1.457 ug/l
 RT: 13.84 min Scan# 2124
 Delta R.T. 0.01 min
 Lab File: VX015317.D
 Acq: 17 Mar 2020 12:15

Tgt Ion: 128 Resp: 635
 Ion Ratio Lower Upper
 128 100
 127 14.6 10.3 15.5
 129 27.4 8.6 13.0#

