

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031620\
 Data File : VX015291.D
 Acq On : 16 Mar 2020 14:05
 Operator : JC/SP
 Sample : L1903-19DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20200310DL

Quant Time: Mar 17 07:41:12 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	277653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	445313	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	433067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	228938	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	156038	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
35) Dibromofluoromethane	5.48	113	132759	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
50) Toluene-d8	8.71	98	541857	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.13	95	210014	55.10	ug/l	0.00
Spiked Amount			Recovery	=	110.20%	

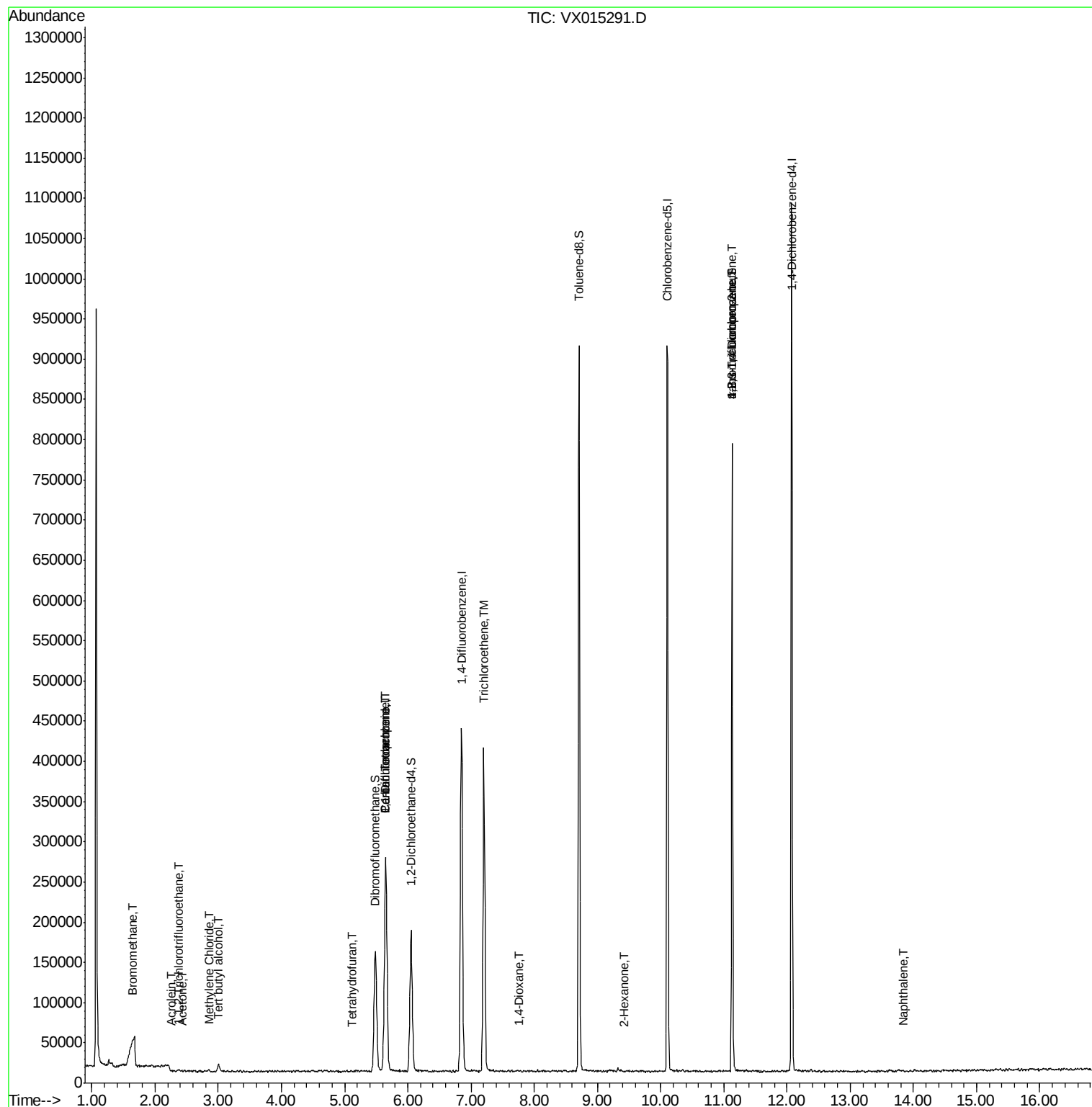
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1099	0.512	ug/l #	45
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1113	0.426	ug/l	90
11) Tert butyl alcohol	3.01	59	5604	9.806	ug/l	97
13) Acrolein	2.27	56	111	0.207	ug/l #	9
16) Acetone	2.43	43	1381	1.035	ug/l	99
20) Methylene Chloride	2.84	84	1262	0.404	ug/l #	58
29) Tetrahydrofuran	5.11	42	266	0.211	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	19189	4.661	ug/l #	51
38) Carbon Tetrachloride	5.65	117	25274	6.504	ug/l #	16
44) Trichloroethene	7.20	130	162423	47.751	ug/l	97
49) 1,4-Dioxane	7.76	88	196	2.651	ug/l #	1
59) 2-Hexanone	9.43	43	729	0.248	ug/l	68
76) 1,2,3-Trichloropropane	11.13	75	99010	21.681	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	99010	61.532	ug/l #	11
95) Naphthalene	13.84	128	459	1.449	ug/l #	31

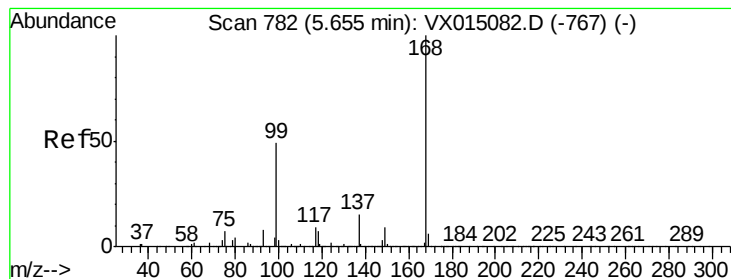
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX015291.D

Acq: 16 Mar 2020 14:05

Instrument :

MSVOA_X

ClientSampleId :

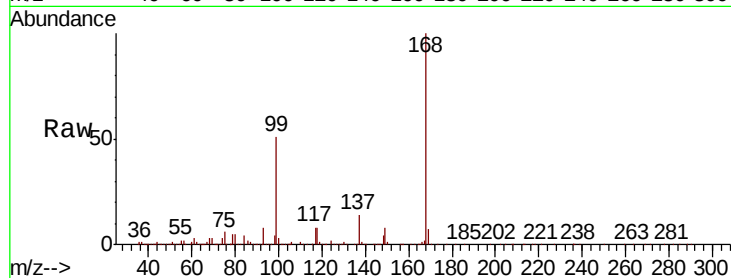
RE103D2-20200310DL

Tot Ion:168 Resp: 277653

Ion Ratio Lower Upper

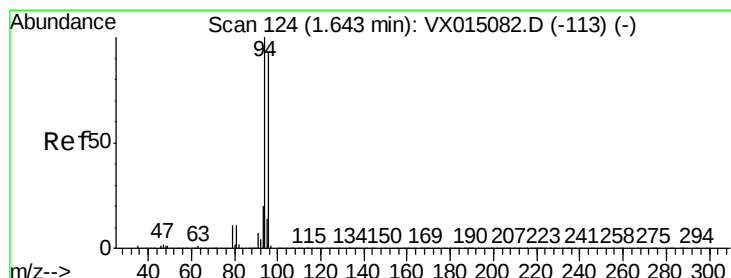
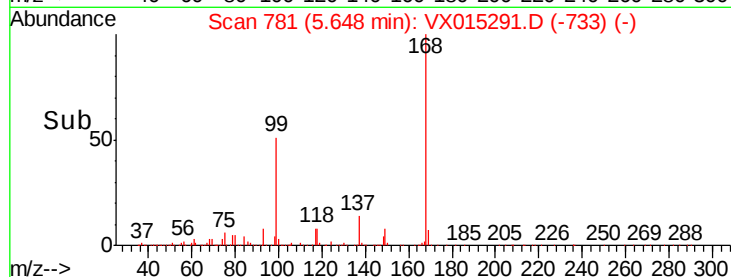
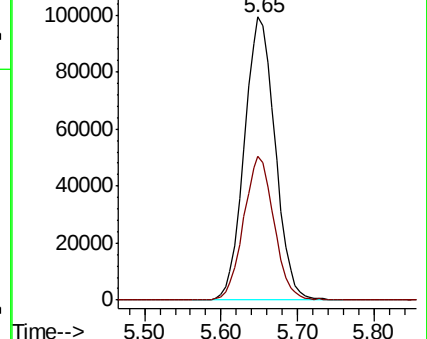
168 100

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



#5

Bromomethane

Concen: 0.512 ug/l

RT: 1.64 min Scan# 124

Delta R.T. -0.00 min

Lab File: VX015291.D

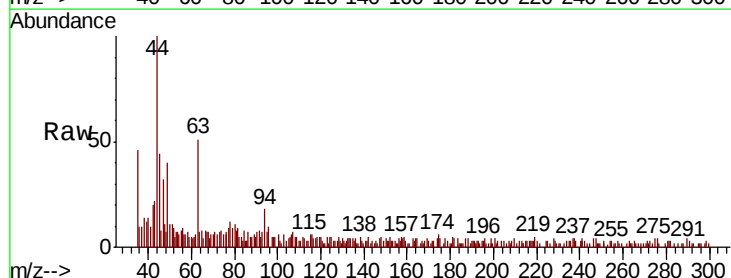
Acq: 16 Mar 2020 14:05

Tgt Ion: 94 Resp: 1099

Ion Ratio Lower Upper

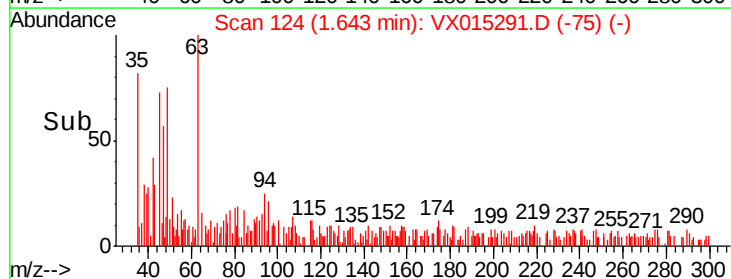
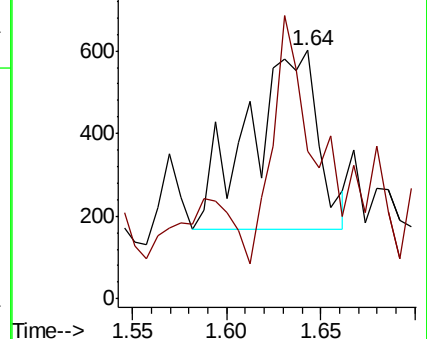
94 100

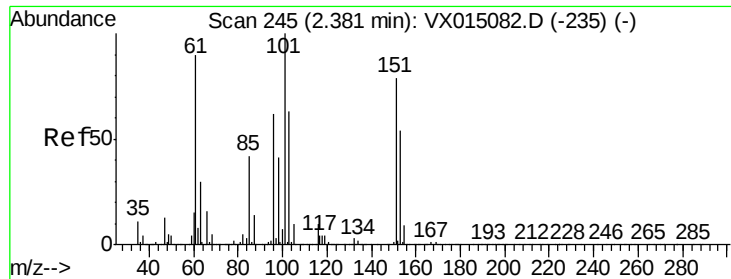
96 40.1 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.426 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015291.D

Acq: 16 Mar 2020 14:05

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20200310DL

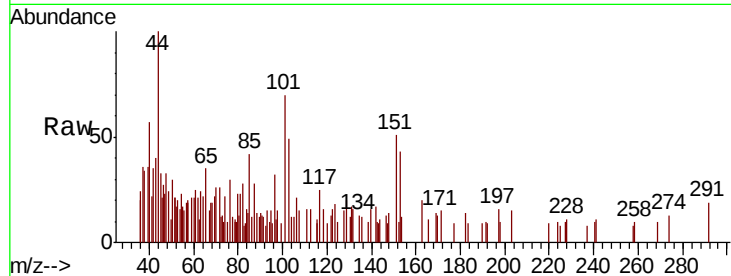
Tot Ion:101 Resp: 1113

Ion Ratio Lower Upper

101 100

85 45.5 33.7 50.5

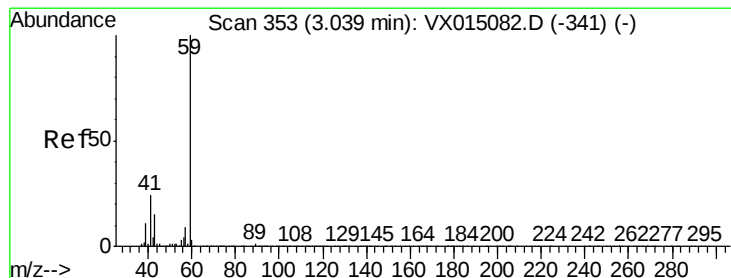
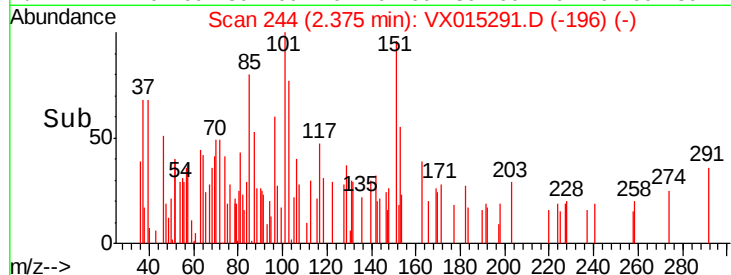
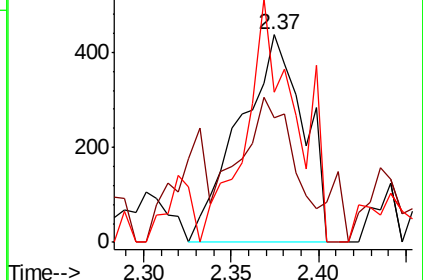
151 91.5 64.0 96.0



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



#11

Tert butyl alcohol

Concen: 9.806 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX015291.D

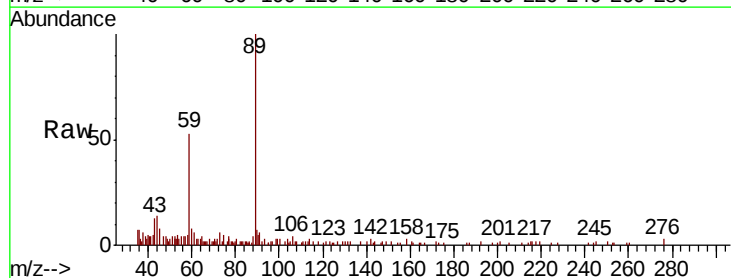
Acq: 16 Mar 2020 14:05

Tgt Ion: 59 Resp: 5604

Ion Ratio Lower Upper

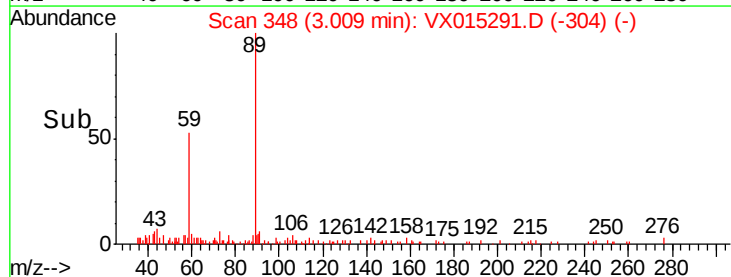
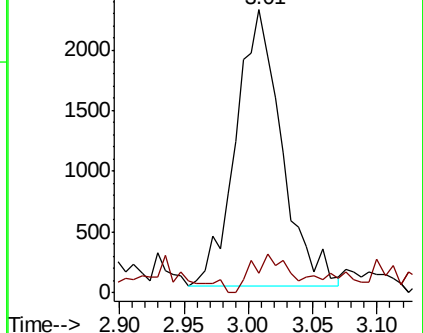
59 100

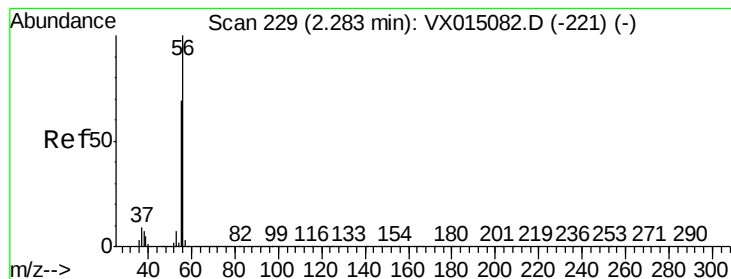
57 11.5 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.207 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX015291.D

Acq: 16 Mar 2020 14:05

Instrument :

MSVOA_X

ClientSampleId :

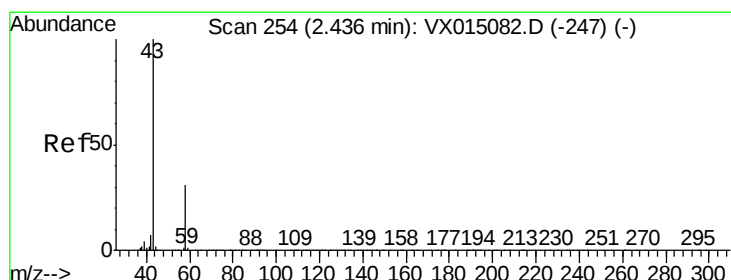
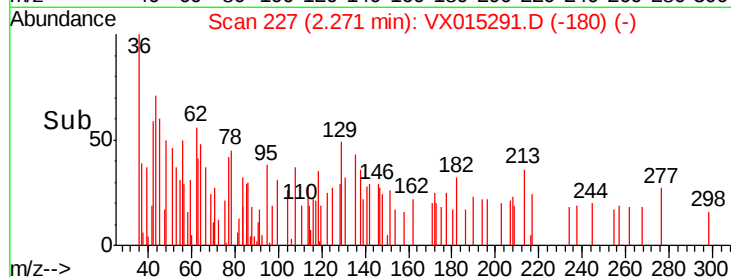
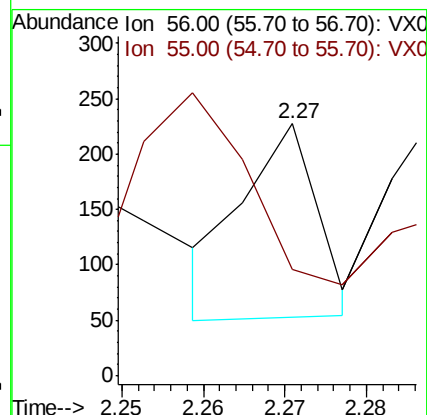
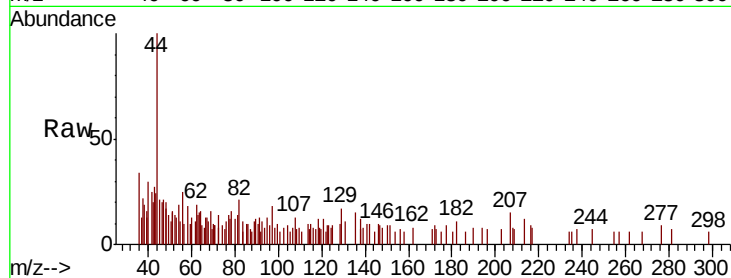
RE103D2-20200310DL

Tot Ion: 56 Resp: 111

Ion Ratio Lower Upper

56 100

55 143.2 55.4 83.0#



#16

Acetone

Concen: 1.035 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015291.D

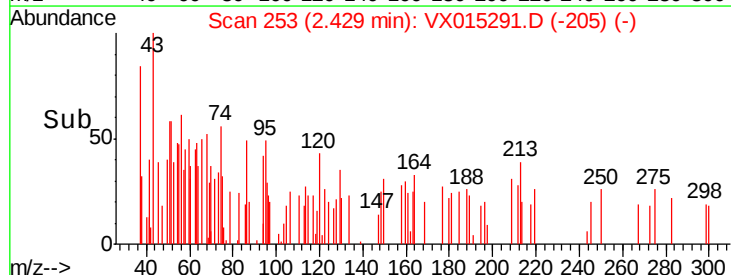
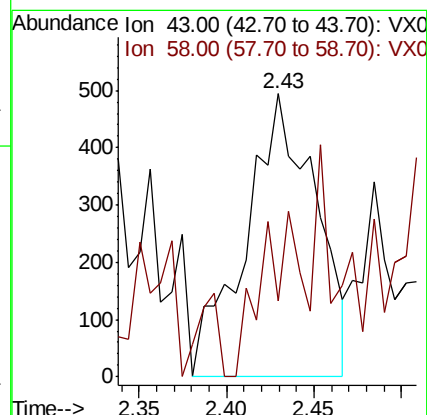
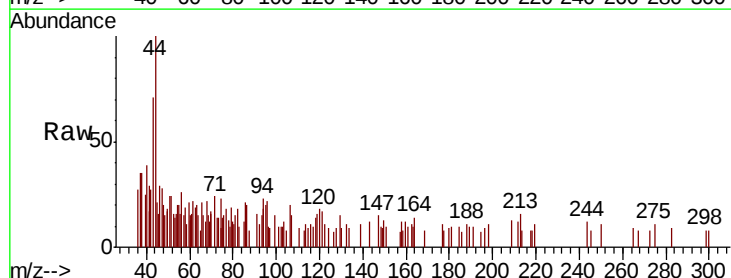
Acq: 16 Mar 2020 14:05

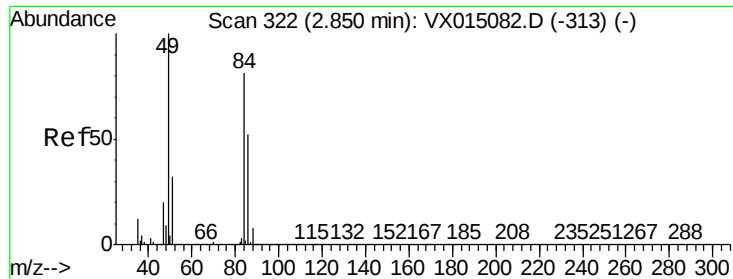
Tgt Ion: 43 Resp: 1381

Ion Ratio Lower Upper

43 100

58 31.6 24.8 37.2

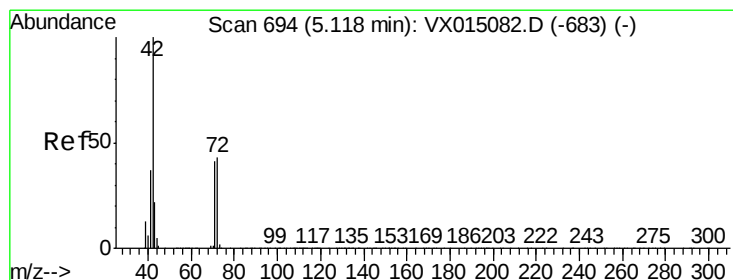
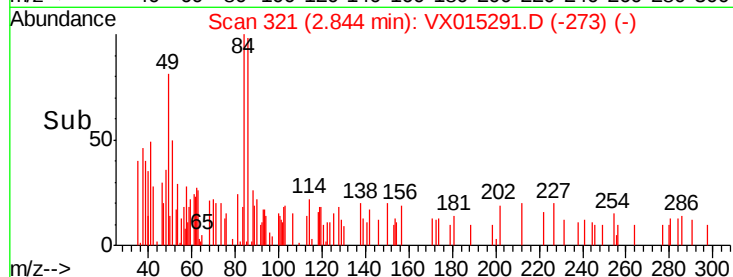
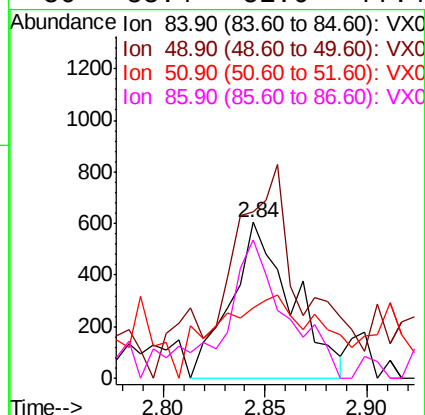
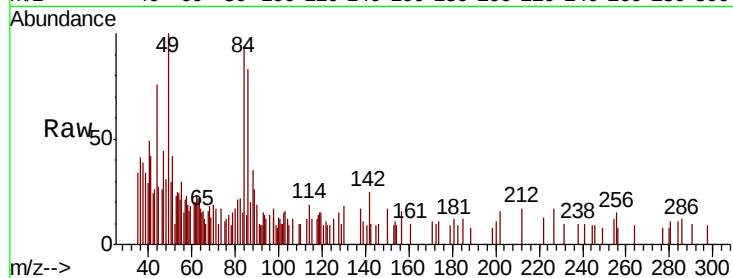




#20
Methvlene Chloride
Concen: 0.404 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX015291.D
Acq: 16 Mar 2020 14:05

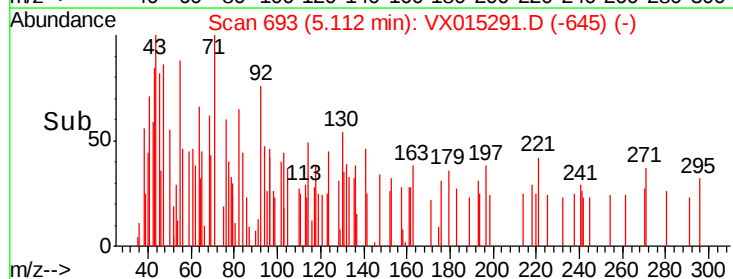
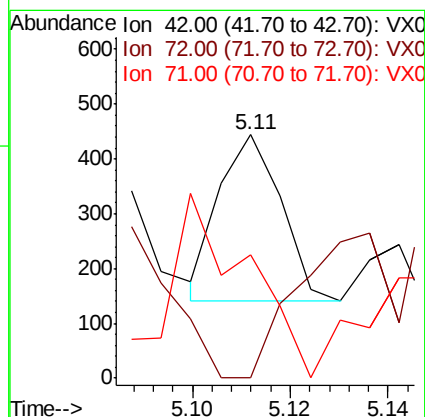
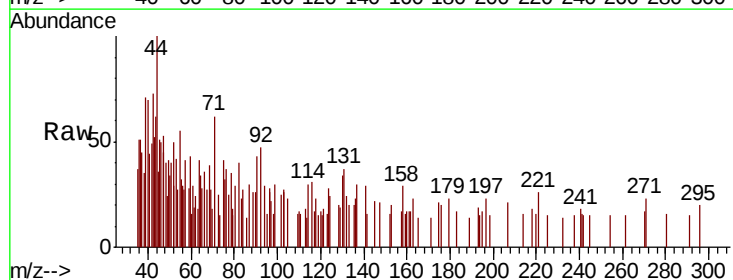
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20200310DL

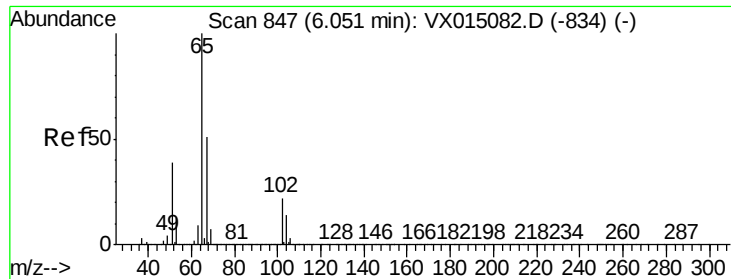
Tot Ion:	84	Resp:	1262
Ion	Ratio	Lower	Upper
84	100		
49	67.1	99.4	149.2#
51	17.5	31.5	47.3#
86	88.4	51.6	77.4#



#29
Tetrahydrofuran
Concen: 0.211 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX015291.D
Acq: 16 Mar 2020 14:05

Tgt Ion:	42	Resp:	266
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.4	54.6#
71	131.6	33.3	49.9#





#33

1,2-Dichloroethane-d4

Concen: 47.370 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX015291.D

Acq: 16 Mar 2020 14:05

Instrument :

MSVOA_X

ClientSampleId :

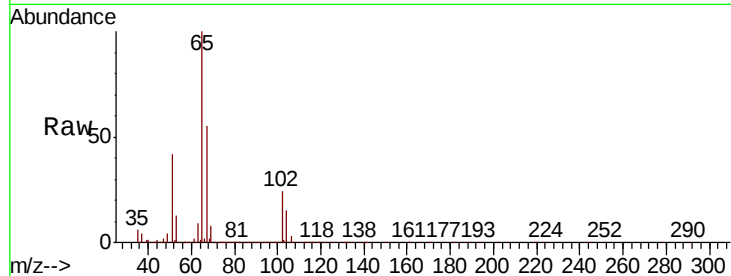
RE103D2-20200310DL

Tot Ion: 65 Resp: 156038

Ion Ratio Lower Upper

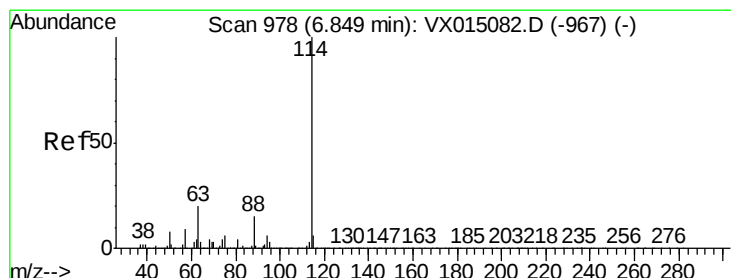
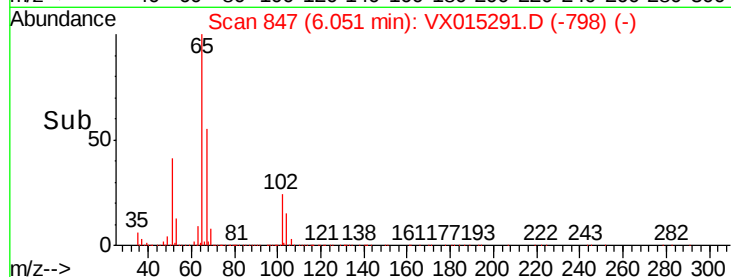
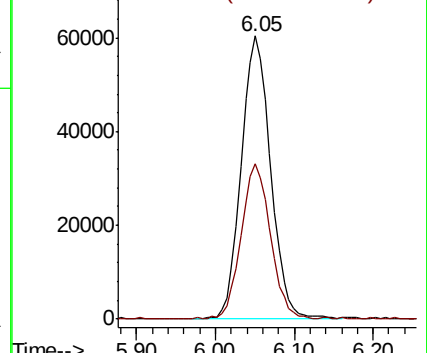
65 100

67 54.7 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: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015291.D

Acq: 16 Mar 2020 14:05

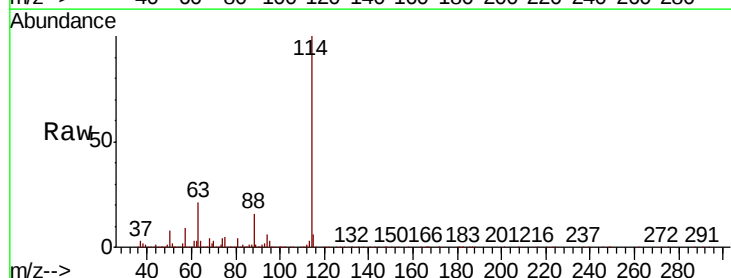
Tgt Ion: 114 Resp: 445313

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

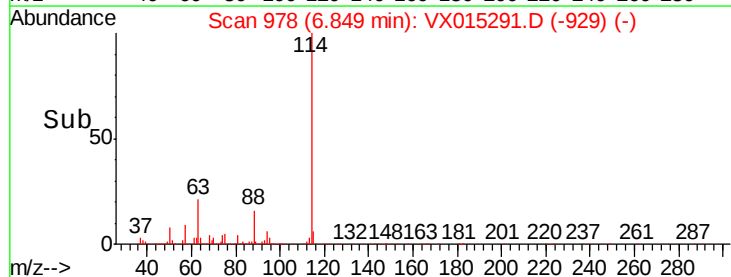
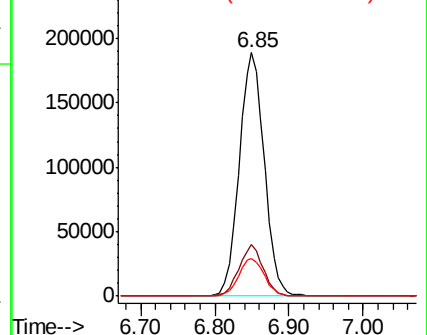
88 15.6 0.0 30.6

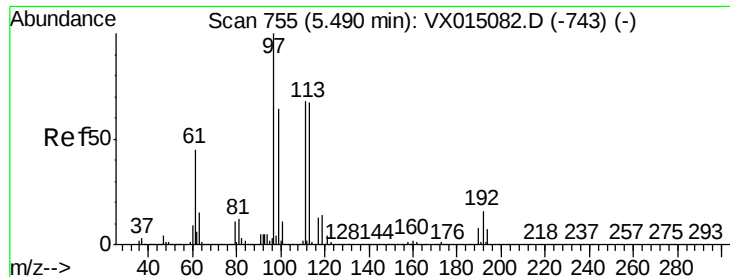


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

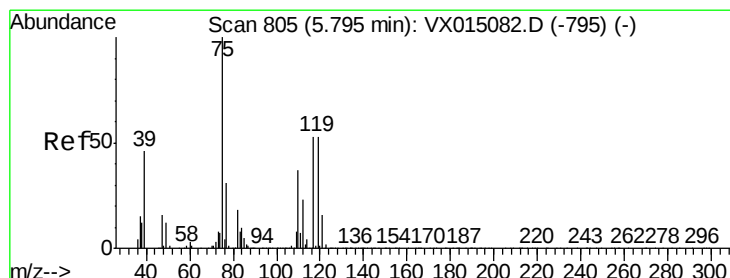
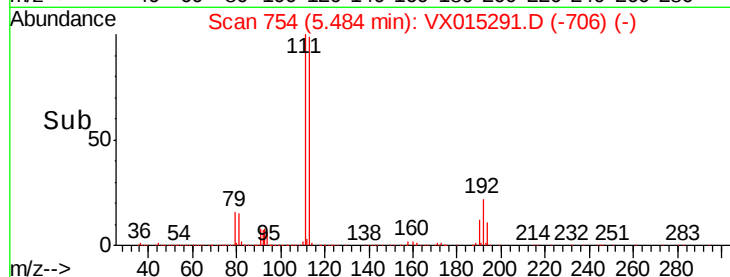
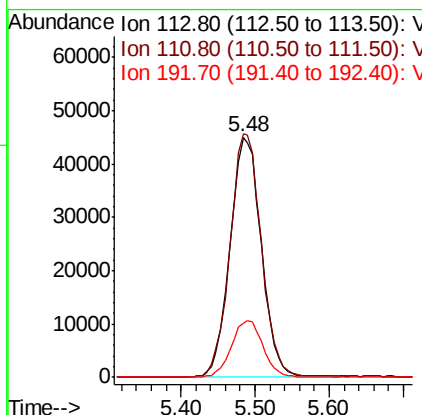
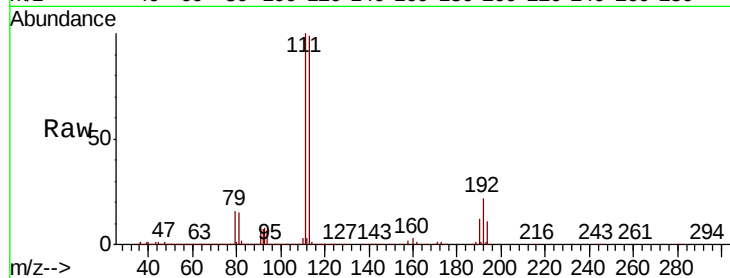




#35
 Dibromofluoromethane
 Concen: 47.256 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX015291.D
 Acq: 16 Mar 2020 14:05

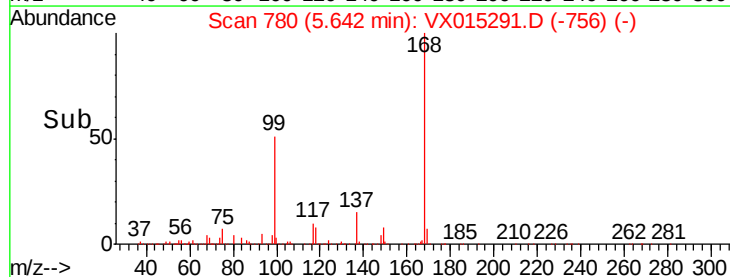
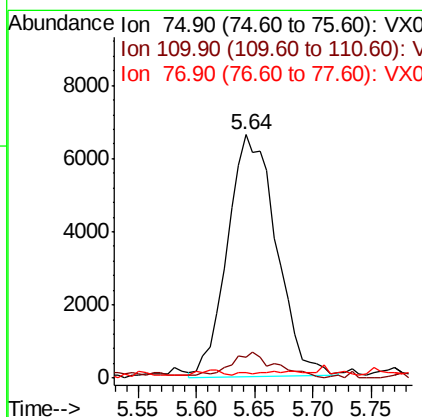
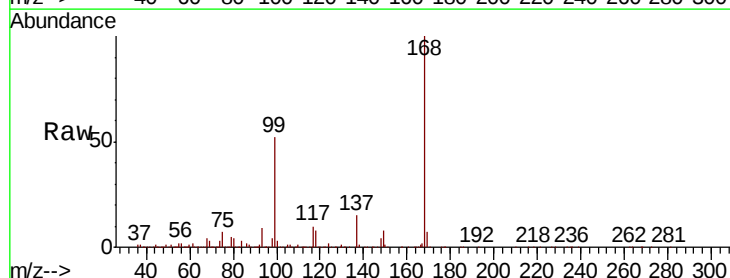
Instrument :
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 RE103D2-20200310DL

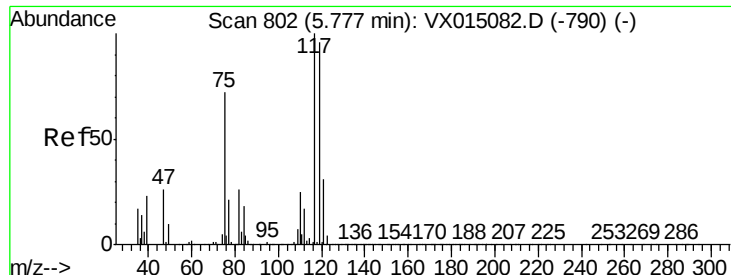
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	123.8
192	23.8	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 4.661 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX015291.D
 Acq: 16 Mar 2020 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.9	53.8#
77	0.5	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.504 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015291.D

Acq: 16 Mar 2020 14:05

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20200310DL

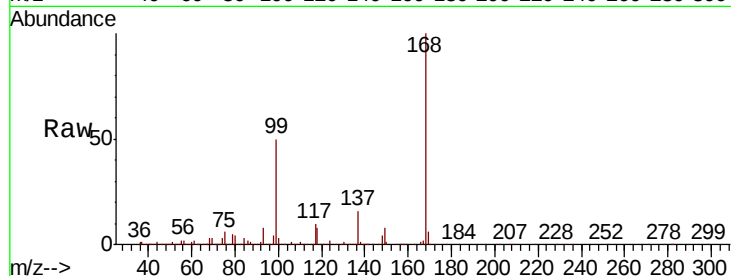
Tot Ion:117 Resp: 25274

Ion Ratio Lower Upper

117 100

119 4.3 76.9 115.3#

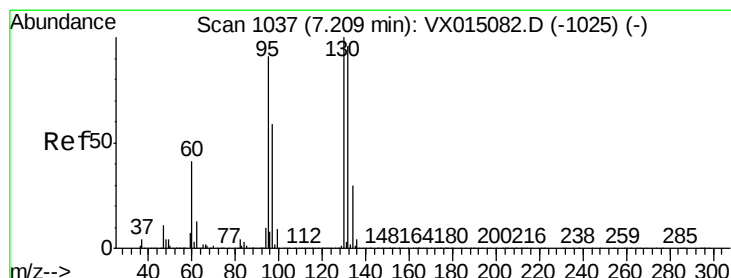
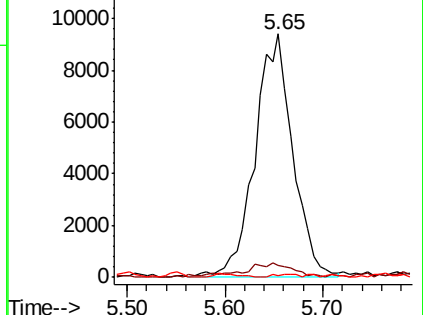
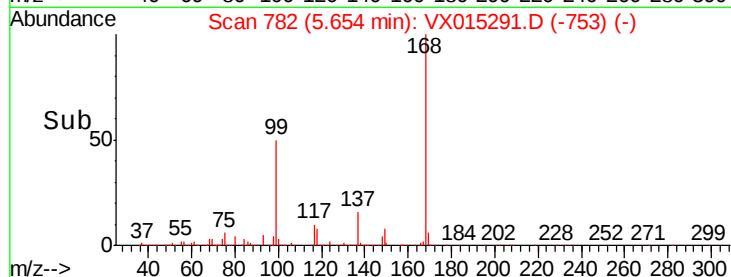
121 0.9 24.6 37.0#



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



#44

Trichloroethene

Concen: 47.751 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX015291.D

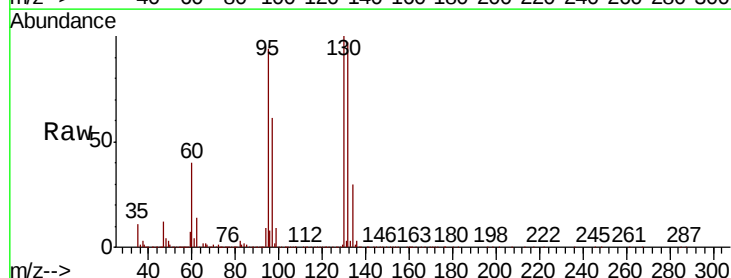
Acq: 16 Mar 2020 14:05

Tgt Ion:130 Resp: 162423

Ion Ratio Lower Upper

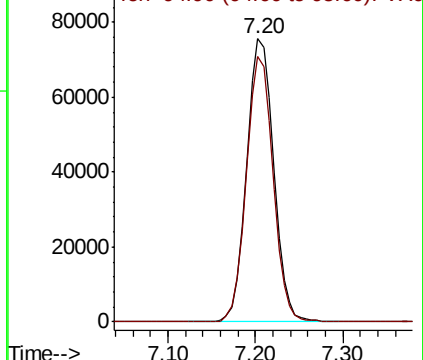
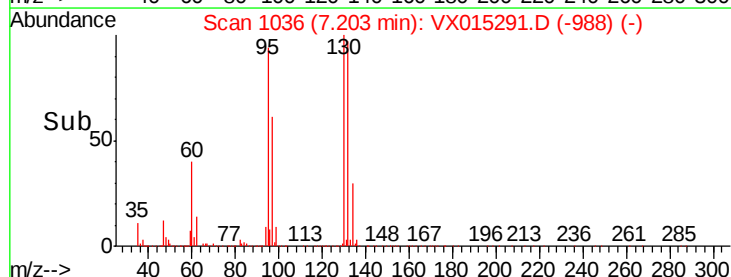
130 100

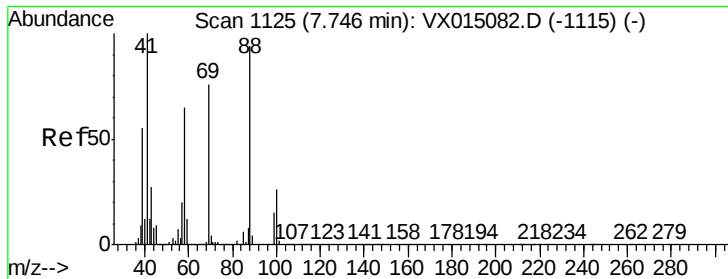
95 93.8 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

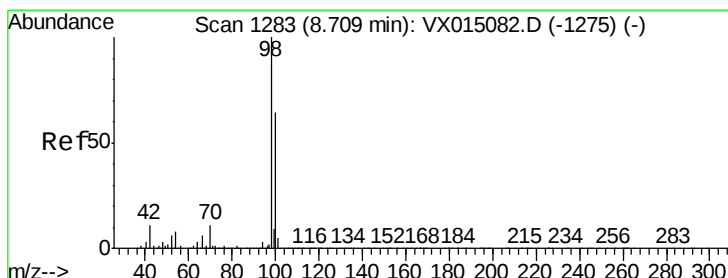
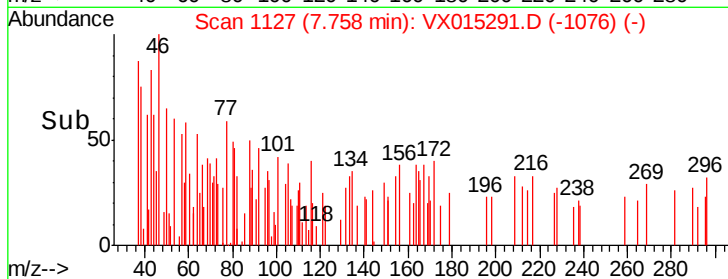
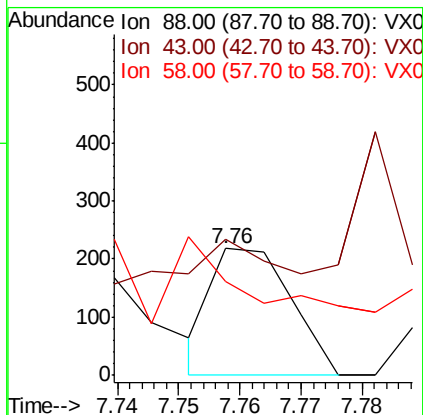
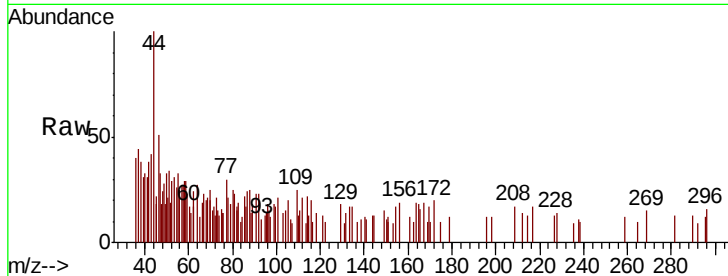




#49
1,4-Dioxane
Concen: 2.651 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VX015291.D
Acq: 16 Mar 2020 14:05

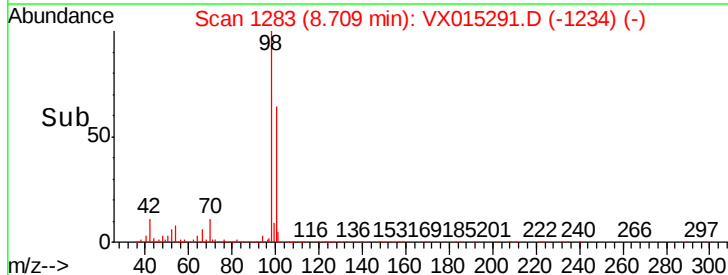
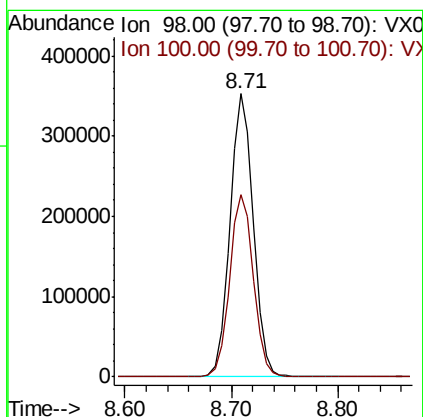
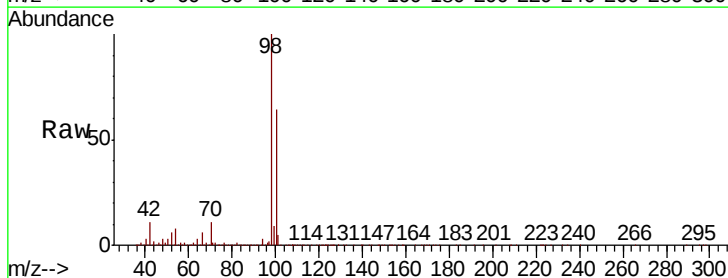
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20200310DL

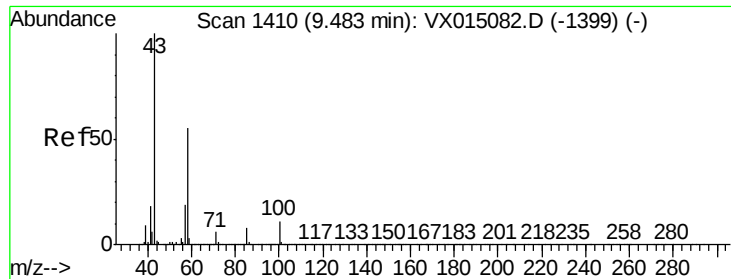
Tot Ion: 88 Resp: 196
Ion Ratio Lower Upper
88 100
43 311.7 27.0 40.4#
58 0.0 55.6 83.4#



#50
Toluene-d8
Concen: 50.706 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015291.D
Acq: 16 Mar 2020 14:05

Tgt Ion: 98 Resp: 541857
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

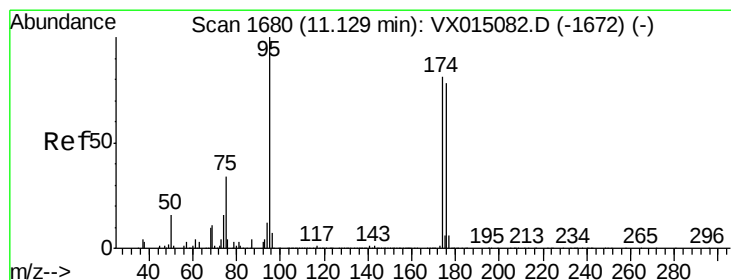
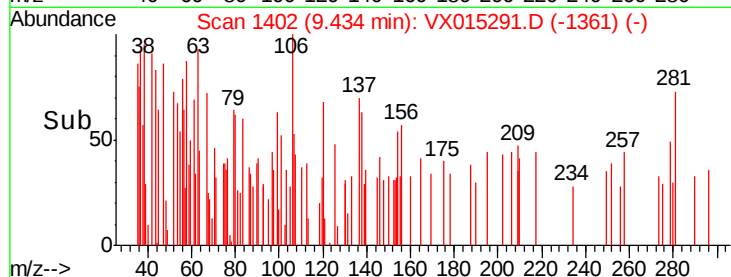
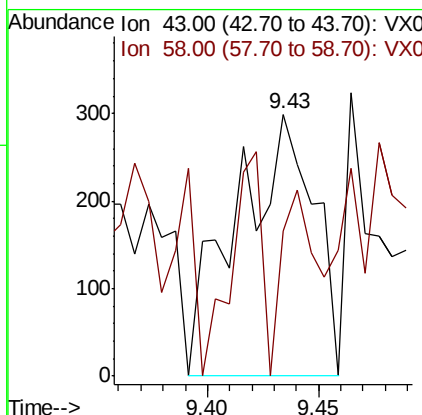
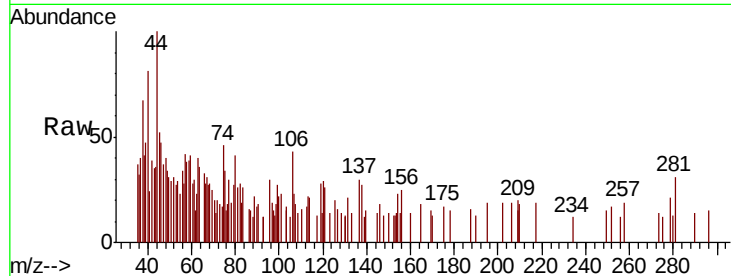




#59
2-Hexanone
Concen: 0.248 ug/l
RT: 9.43 min Scan# 1402
Delta R.T. -0.05 min
Lab File: VX015291.D
Acq: 16 Mar 2020 14:05

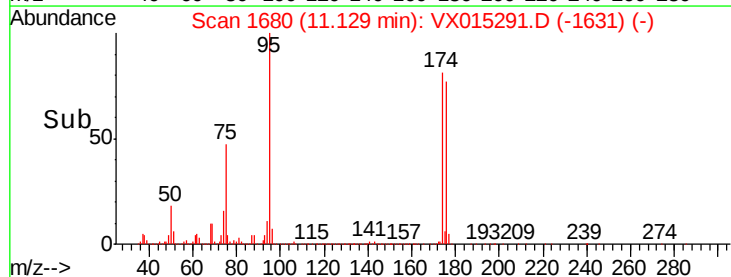
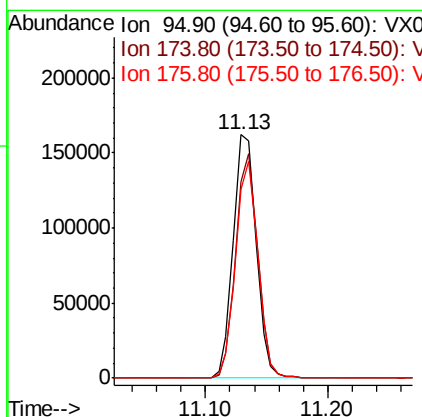
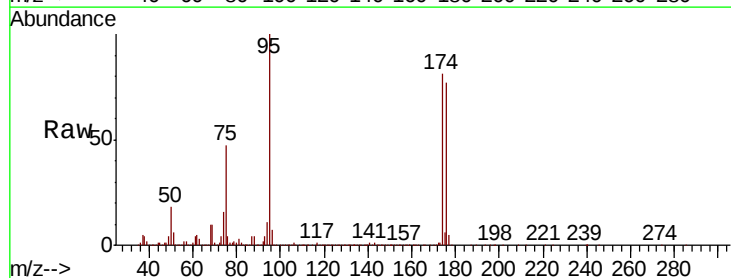
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20200310DL

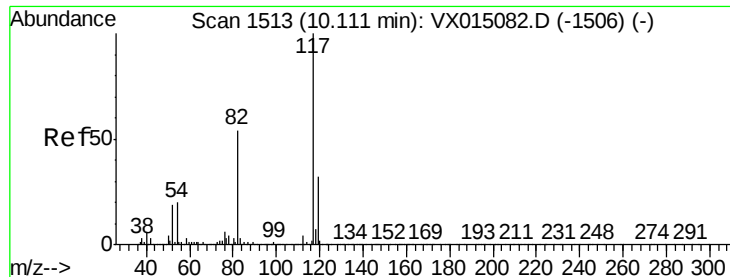
Tot Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
58 31.8 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 55.097 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015291.D
Acq: 16 Mar 2020 14:05

Tgt Ion: 95 Resp: 210014
Ion Ratio Lower Upper
95 100
174 89.2 0.0 177.6
176 86.7 0.0 170.2

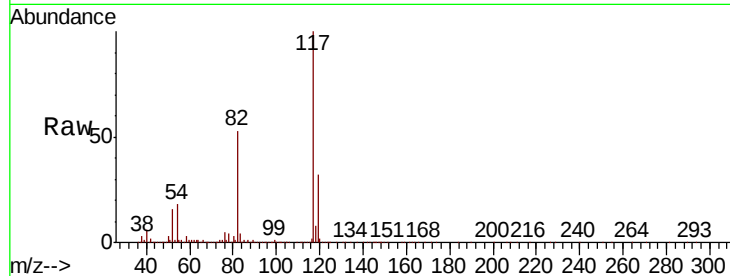




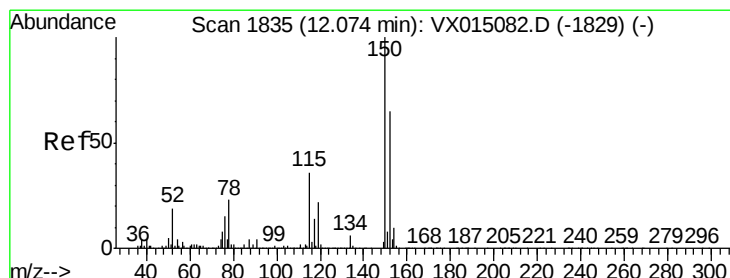
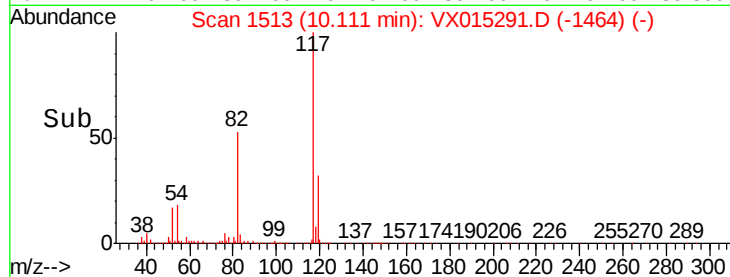
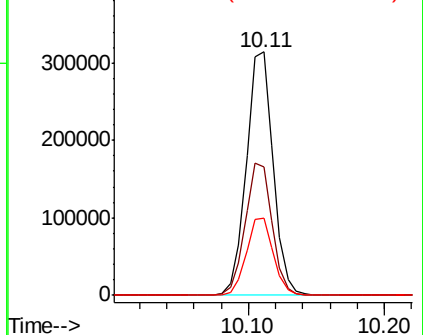
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015291.D
Acq: 16 Mar 2020 14:05

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20200310DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.3	64.9
119	31.9	25.8	38.8

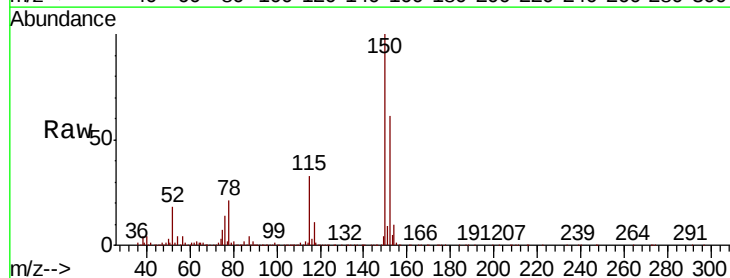


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

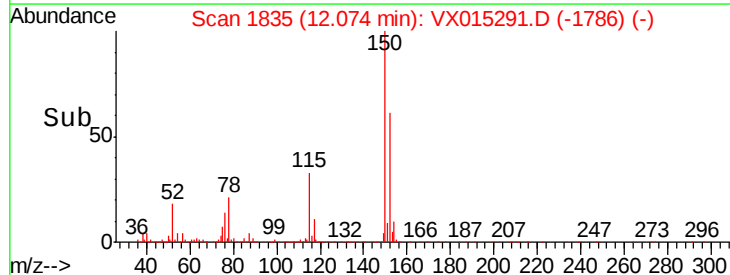
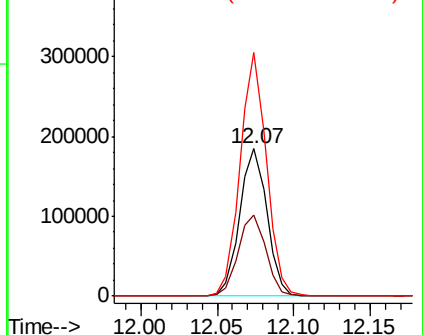


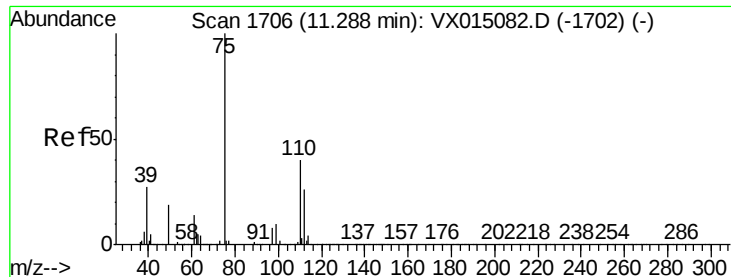
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015291.D
Acq: 16 Mar 2020 14:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	38.2	114.6
150	159.3	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: 21.681 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015291.D

Acq: 16 Mar 2020 14:05

Instrument :

MSVOA_X

ClientSampleId :

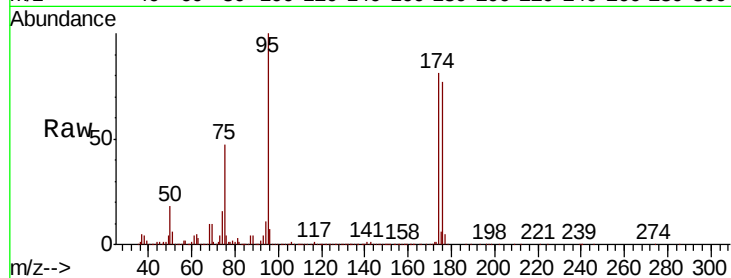
RE103D2-20200310DL

Tot Ion: 75 Resp: 99010

Ion Ratio Lower Upper

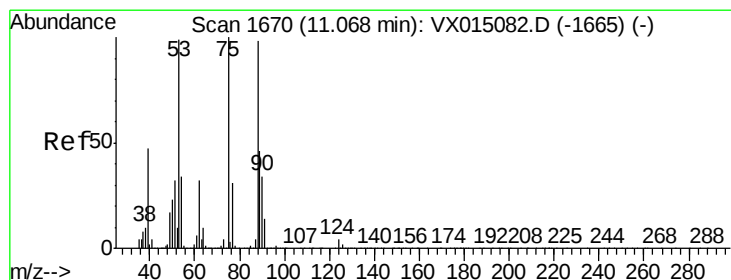
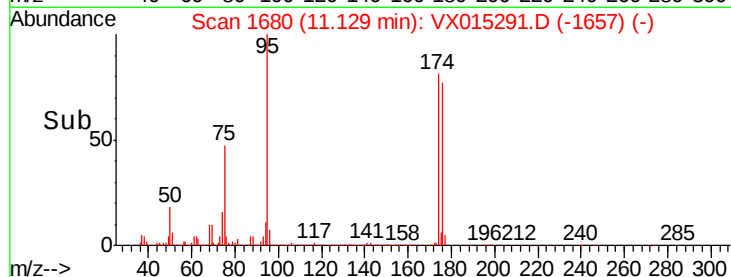
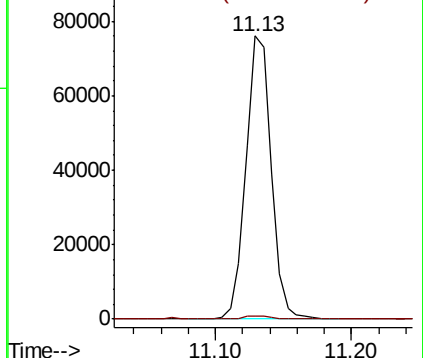
75 100

77 1.5 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: 61.532 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015291.D

Acq: 16 Mar 2020 14:05

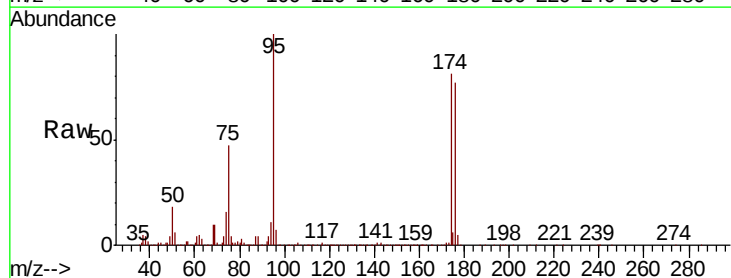
Tgt Ion: 75 Resp: 99010

Ion Ratio Lower Upper

75 100

53 0.1 77.9 116.9#

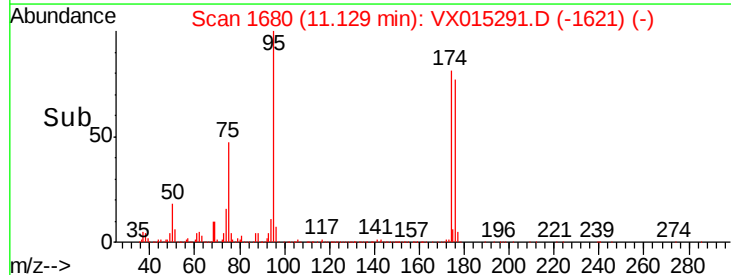
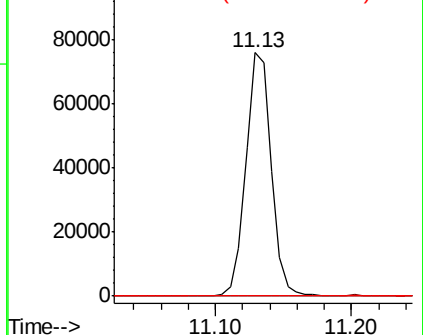
89 0.0 36.2 54.2#

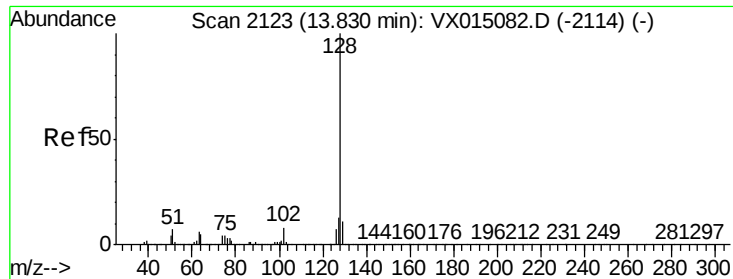


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 1.449 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX015291.D
Acq: 16 Mar 2020 14:05

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20200310DL

Tot Ion:128 Resp: 459
Ion Ratio Lower Upper
128 100
127 58.2 10.3 15.5#
129 5.0 8.6 13.0#

