

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015252.D
 Acq On : 13 Mar 2020 12:19
 Operator : JC/SP
 Sample : L1903-23
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D1-20200311

Quant Time: Mar 16 08:18:41 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	273046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	432082	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	415777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	213717	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	154141	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	5.49	113	132404	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	8.71	98	521447	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.14	95	193559	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	

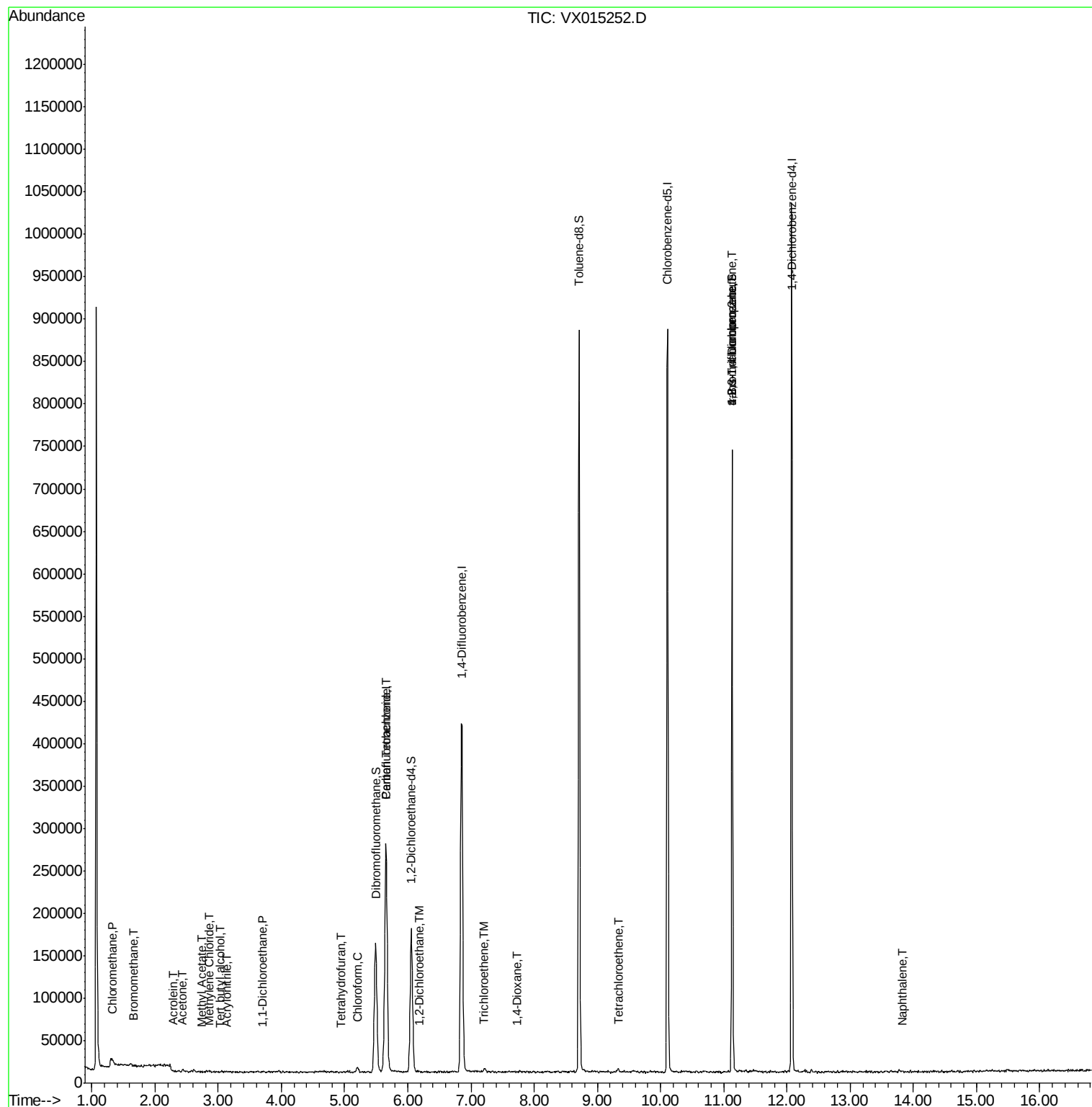
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	857	0.253	ug/l	92
5) Bromomethane	1.66	94	687	0.325	ug/l #	61
11) Tert butyl alcohol	3.02	59	352	0.626	ug/l #	72
13) Acrolein	2.29	56	117	0.222	ug/l #	15
15) Acrylonitrile	3.14	53	325	0.232	ug/l #	64
16) Acetone	2.44	43	4778	3.642	ug/l	91
18) Methyl Acetate	2.75	43	683	0.213	ug/l #	52
20) Methylene Chloride	2.85	84	786	0.256	ug/l #	52
24) 1,1-Dichloroethane	3.70	63	1257	0.246	ug/l #	90
29) Tetrahydrofuran	4.94	42	378	0.305	ug/l	89
30) Chloroform	5.21	83	7109	1.426	ug/l	87
38) Carbon Tetrachloride	5.65	117	23781	6.307	ug/l #	18
42) 1,2-Dichloroethane	6.19	62	948	0.233	ug/l #	64
44) Trichloroethene	7.22	130	1940	0.588	ug/l	81
49) 1,4-Dioxane	7.72	88	504	7.026	ug/l #	34
64) Tetrachloroethene	9.33	164	879	0.256	ug/l #	78
76) 1,2,3-Trichloropropane	11.13	75	92390	21.672	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	92390	61.507	ug/l #	11
95) Naphthalene	13.83	128	645	1.464	ug/l #	56

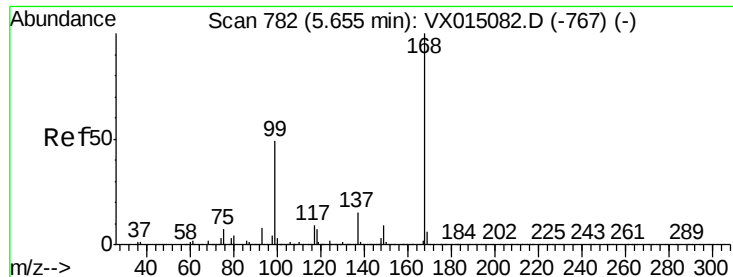
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 16 08:18:41 2020
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: VX015252.D

Acq: 13 Mar 2020 12:19

Instrument :

MSVOA_X

ClientSampleId :

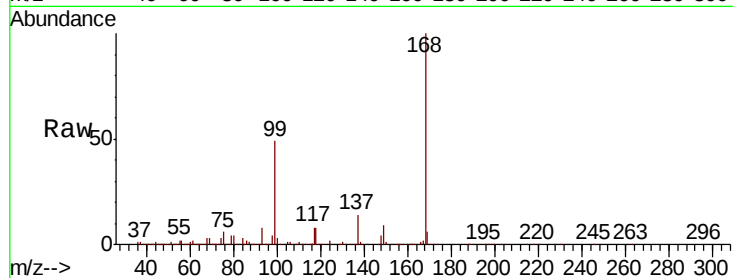
RE135D1-20200311

Tot Ion:168 Resp: 273046

Ion Ratio Lower Upper

168 100

99 49.1 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

120000

100000

80000

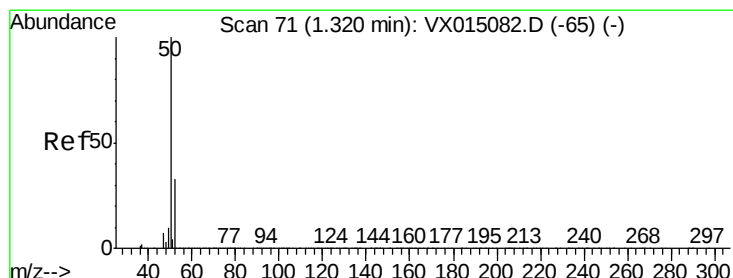
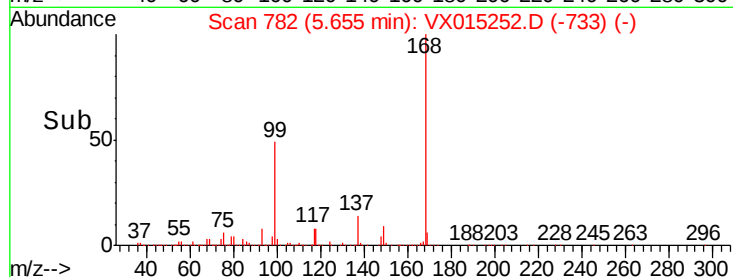
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.253 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015252.D

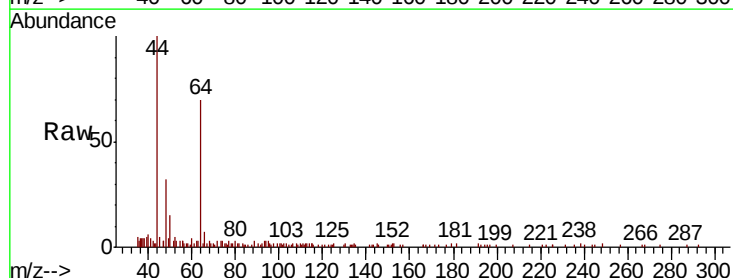
Acq: 13 Mar 2020 12:19

Tgt Ion: 50 Resp: 857

Ion Ratio Lower Upper

50 100

52 28.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

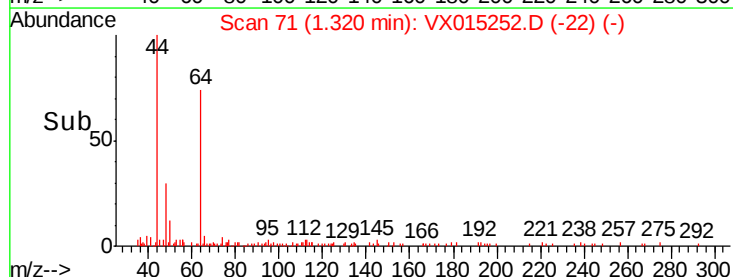
600

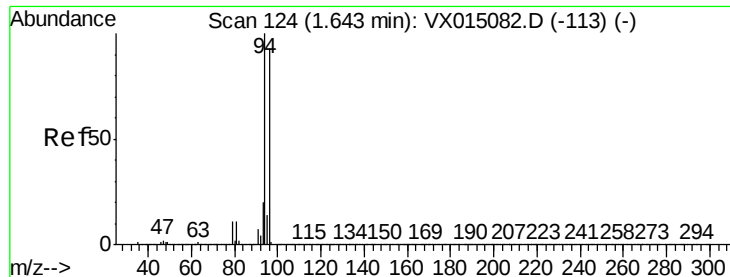
400

200

0

Time-->





#5

Bromomethane

Concen: 0.325 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015252.D

Acq: 13 Mar 2020 12:19

Instrument :

MSVOA_X

ClientSampleId :

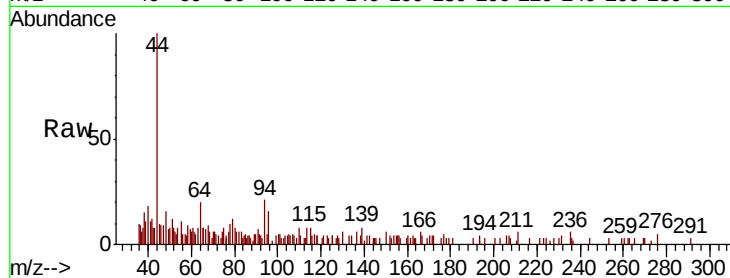
RE135D1-20200311

Tot Ion: 94 Resp: 687

Ion Ratio Lower Upper

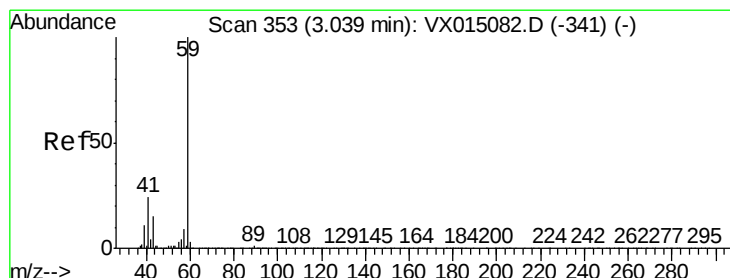
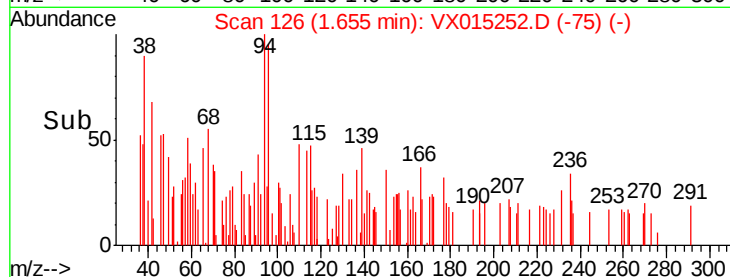
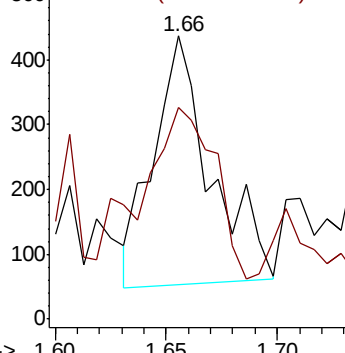
94 100

96 55.4 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.626 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX015252.D

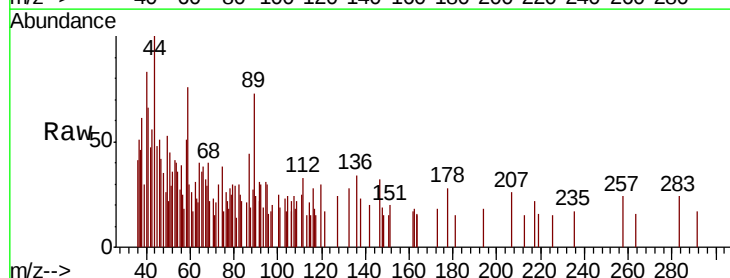
Acq: 13 Mar 2020 12:19

Tgt Ion: 59 Resp: 352

Ion Ratio Lower Upper

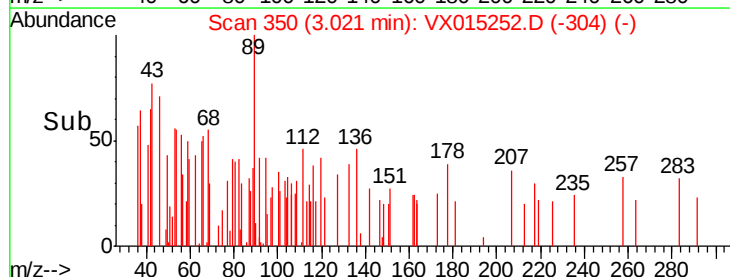
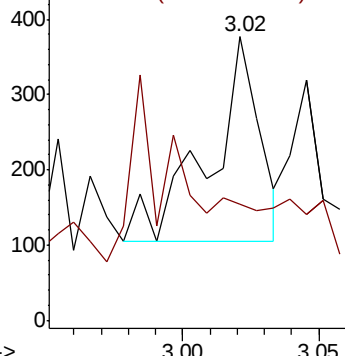
59 100

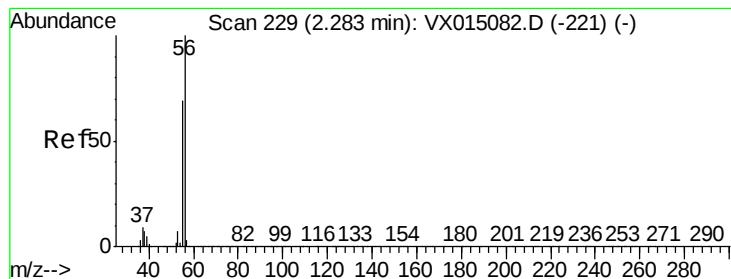
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.222 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015252.D

Acq: 13 Mar 2020 12:19

Instrument :

MSVOA_X

ClientSampleId :

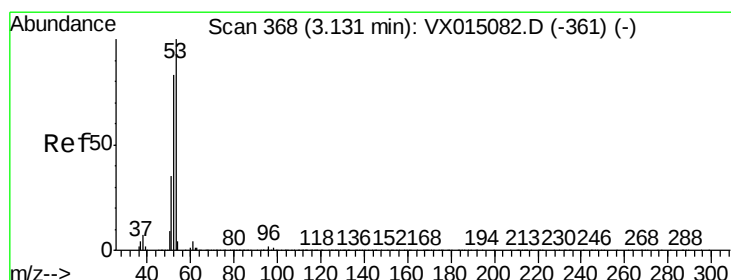
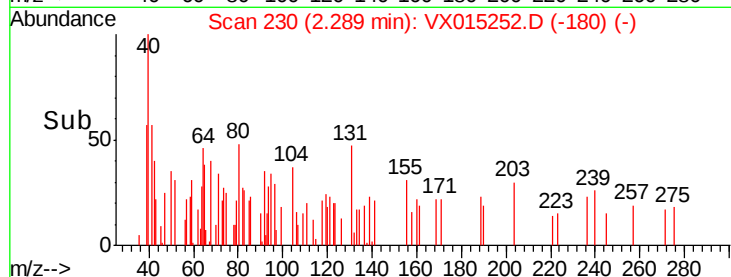
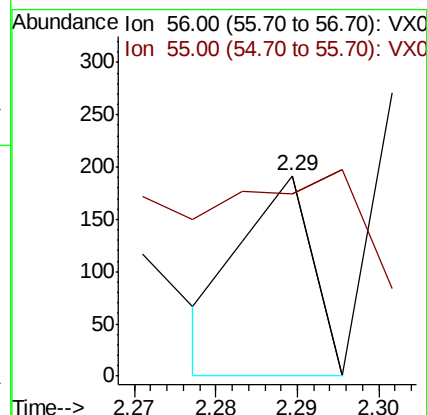
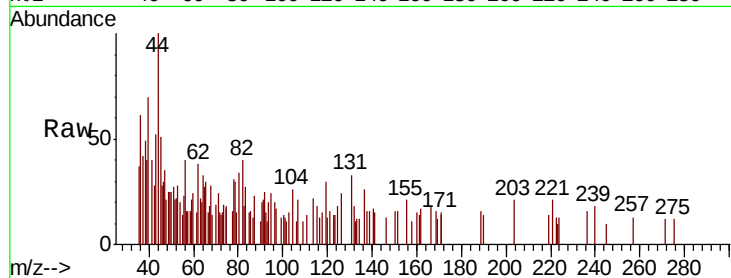
RE135D1-20200311

Tot Ion: 56 Resp: 117

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#15

Acrylonitrile

Concen: 0.232 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015252.D

Acq: 13 Mar 2020 12:19

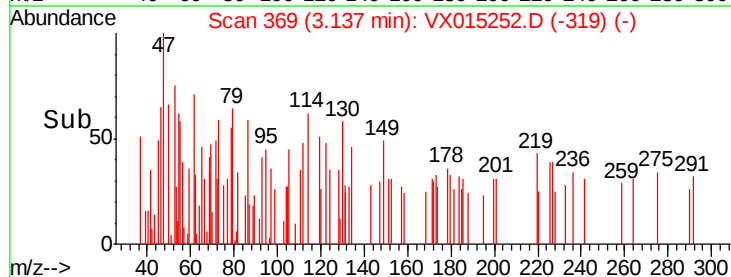
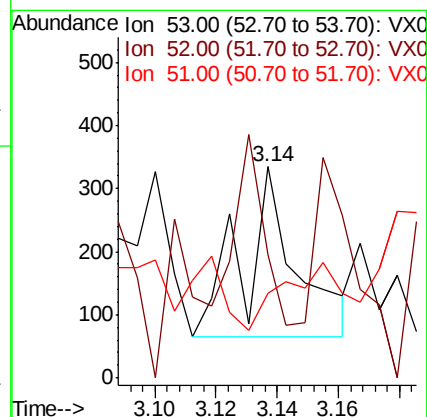
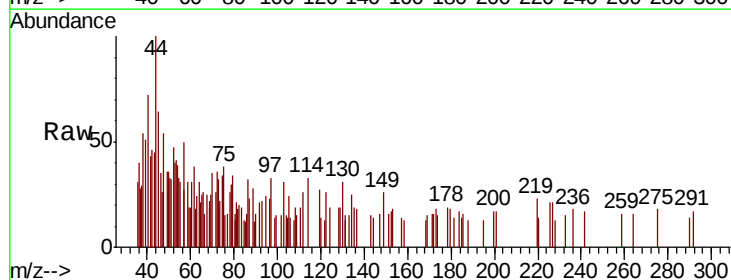
Tgt Ion: 53 Resp: 325

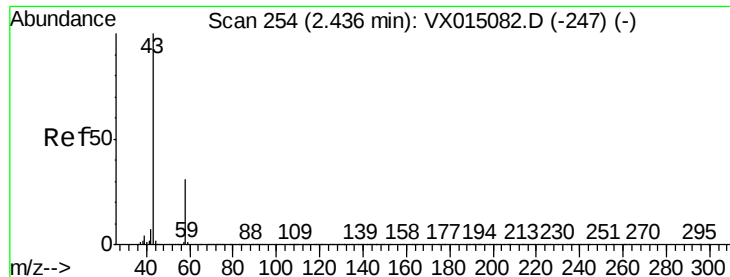
Ion Ratio Lower Upper

53 100

52 60.6 66.6 100.0#

51 0.0 29.0 43.6#





#16

Acetone

Concen: 3.642 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX015252.D

Acq: 13 Mar 2020 12:19

Instrument :

MSVOA_X

ClientSampleId :

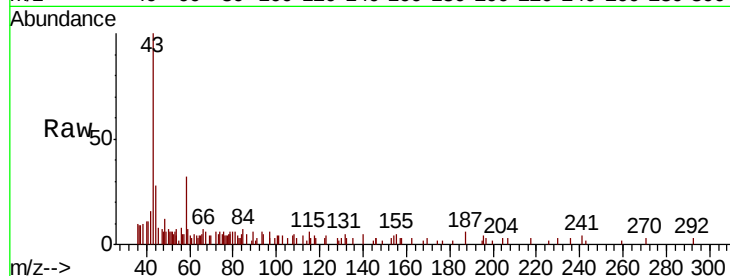
RE135D1-20200311

Tot Ion: 43 Resp: 4778

Ion Ratio Lower Upper

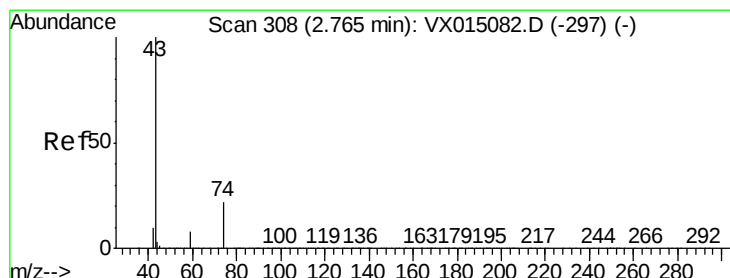
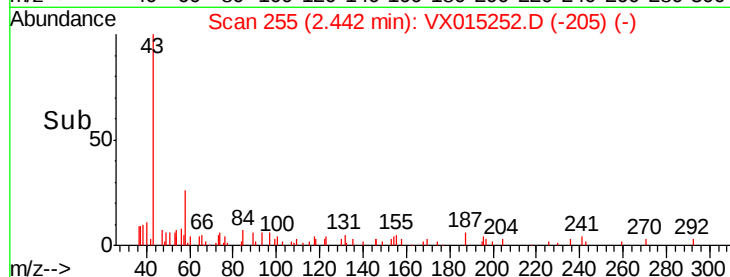
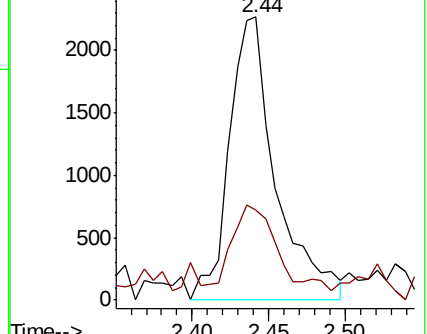
43 100

58 25.8 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.213 ug/l

RT: 2.75 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX015252.D

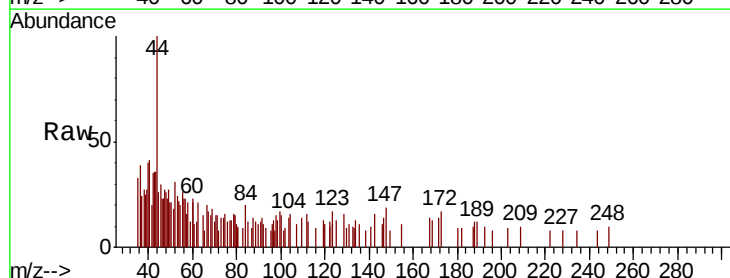
Acq: 13 Mar 2020 12:19

Tgt Ion: 43 Resp: 683

Ion Ratio Lower Upper

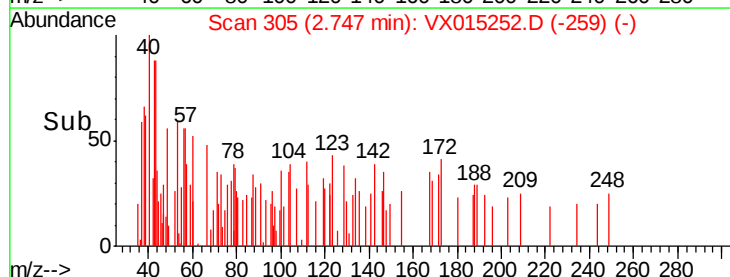
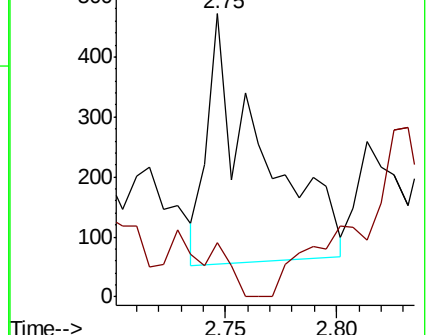
43 100

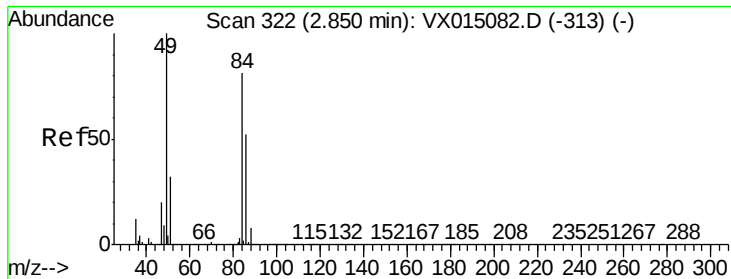
74 0.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

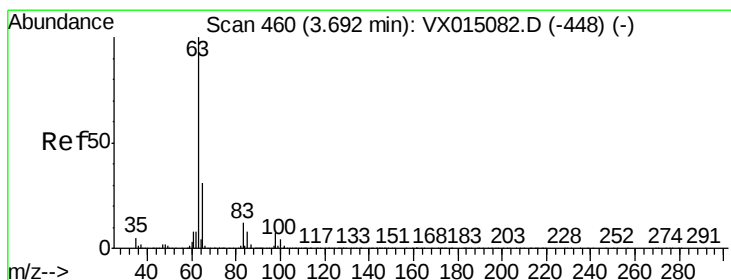
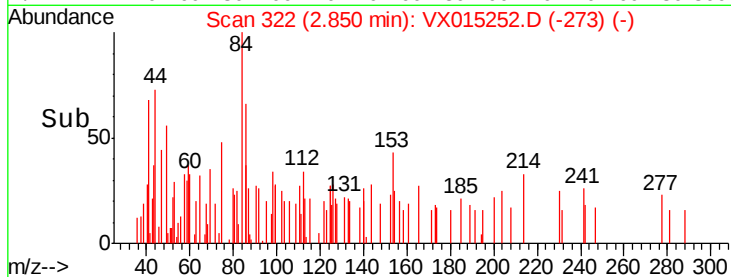
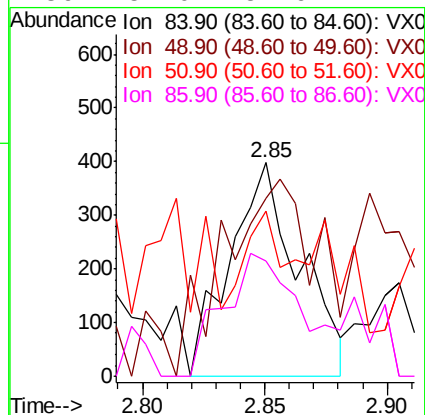
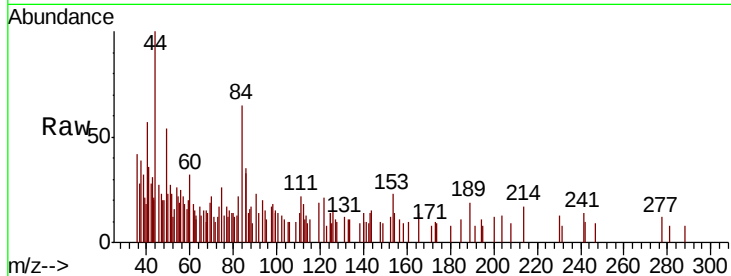




#20
Methvlene Chloride
Concen: 0.256 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015252.D
Acq: 13 Mar 2020 12:19

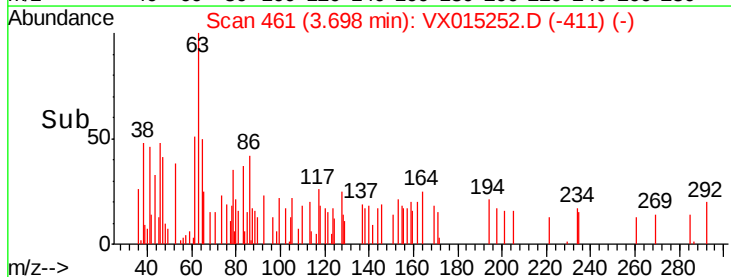
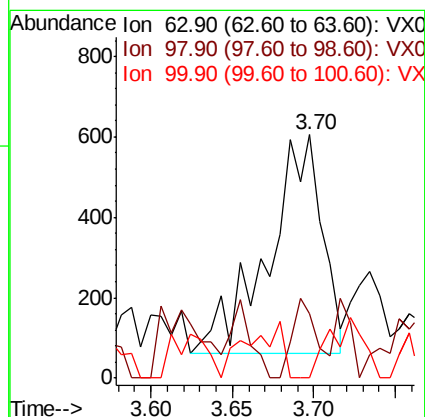
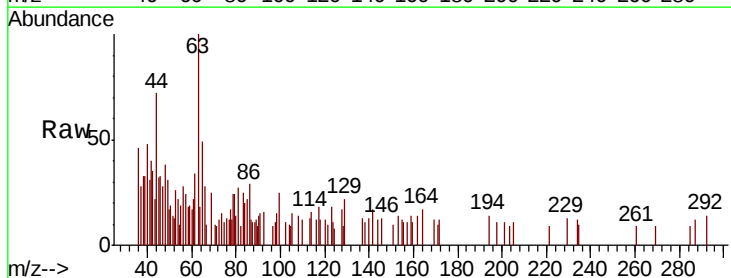
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20200311

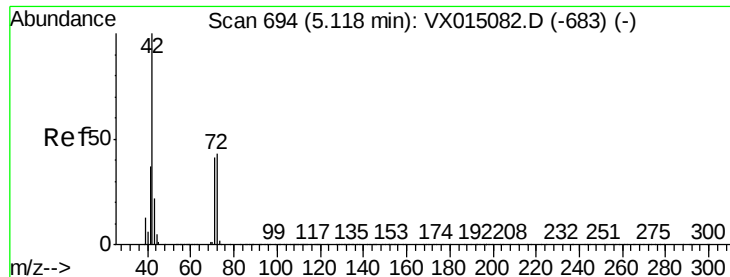
Tot Ion:	84	Resp:	786
Ion	Ratio	Lower	Upper
84	100		
49	36.2	99.4	149.2#
51	47.5	31.5	47.3#
86	54.0	51.6	77.4



#24
1,1-Dichloroethane
Concen: 0.246 ug/l
RT: 3.70 min Scan# 461
Delta R.T. 0.01 min
Lab File: VX015252.D
Acq: 13 Mar 2020 12:19

Tgt Ion:	63	Resp:	1257
Ion	Ratio	Lower	Upper
63	100		
98	4.6	3.7	11.1
100	0.0	2.1	6.5#





#29

Tetrahydrofuran

Concen: 0.305 ug/l

RT: 4.94 min Scan# 665

Delta R.T. -0.18 min

Lab File: VX015252.D

Acq: 13 Mar 2020 12:19

Instrument :

MSVOA_X

ClientSampleId :

RE135D1-20200311

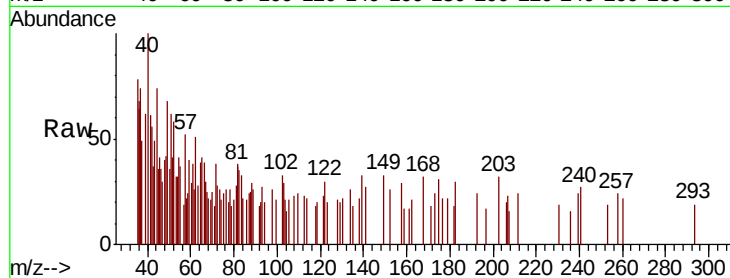
Tot Ion: 42 Resp: 378

Ion Ratio Lower Upper

42 100

72 54.0 36.4 54.6

71 47.4 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

4.94

300

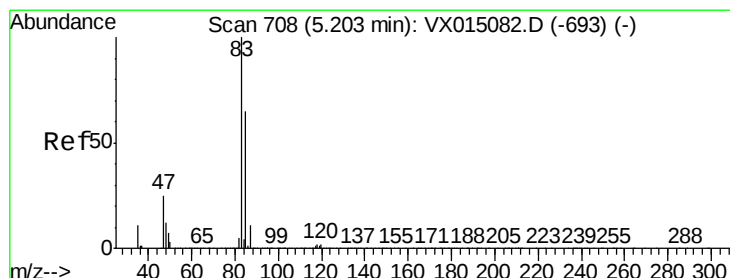
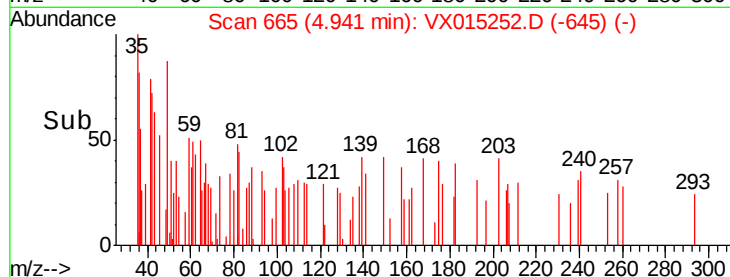
200

100

0

4.92 4.94 4.96

Time-->



#30

Chloroform

Concen: 1.426 ug/l

RT: 5.21 min Scan# 709

Delta R.T. 0.01 min

Lab File: VX015252.D

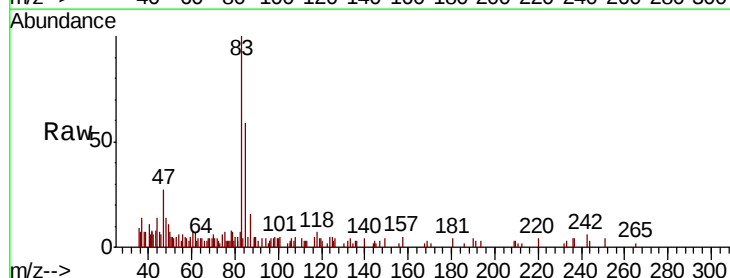
Acq: 13 Mar 2020 12:19

Tgt Ion: 83 Resp: 7109

Ion Ratio Lower Upper

83 100

85 54.7 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.21

2500

2000

1500

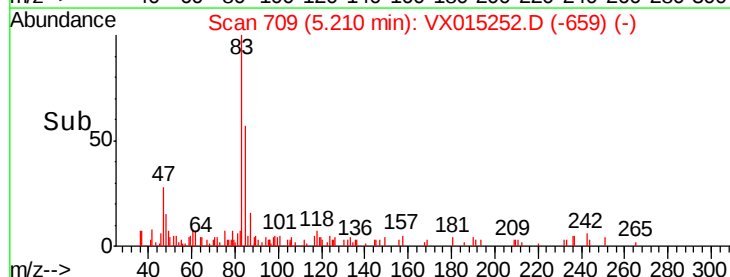
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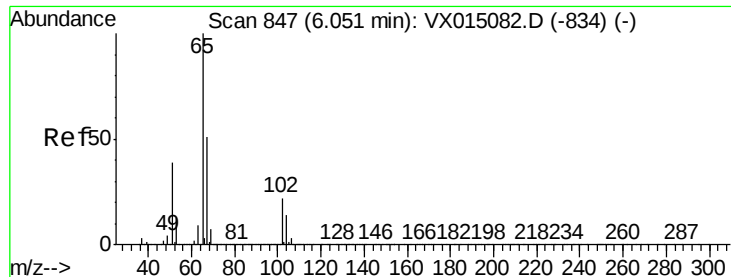
500

0

5.10 5.20 5.30

Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.584 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015252.D

Acq: 13 Mar 2020 12:19

Instrument :

MSVOA_X

ClientSampleId :

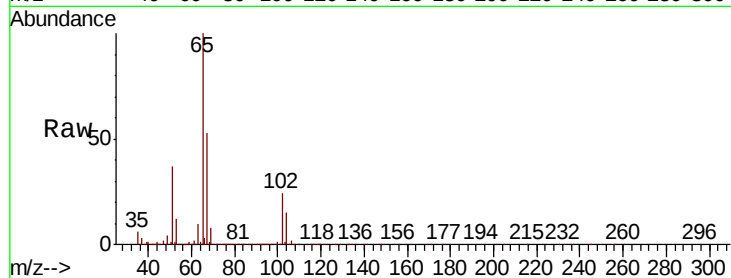
RE135D1-20200311

Tot Ion: 65 Resp: 154141

Ion Ratio Lower Upper

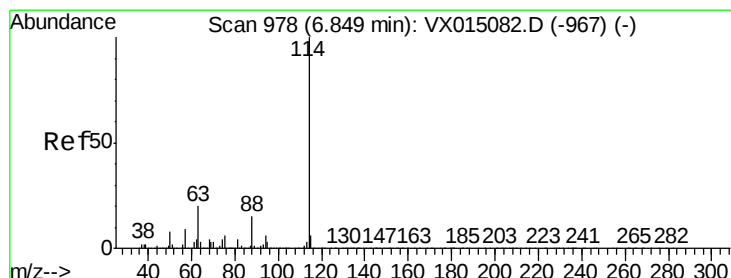
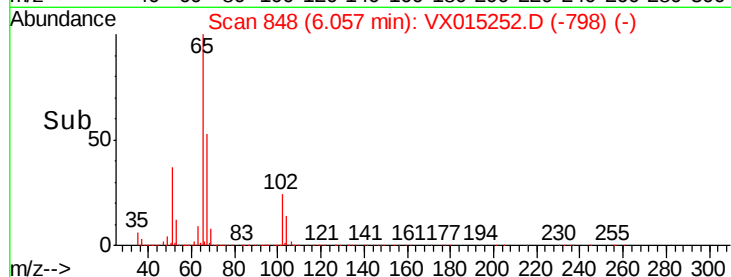
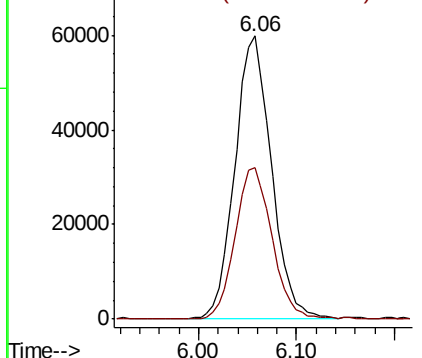
65 100

67 53.7 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: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015252.D

Acq: 13 Mar 2020 12:19

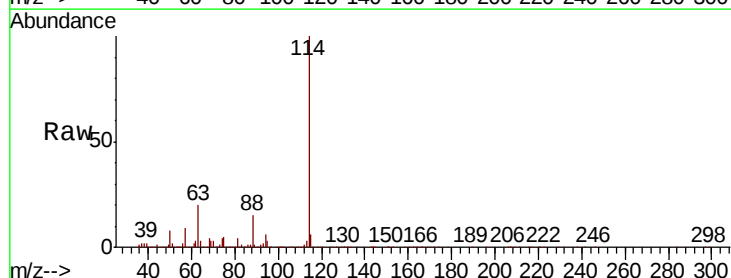
Tgt Ion: 114 Resp: 432082

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

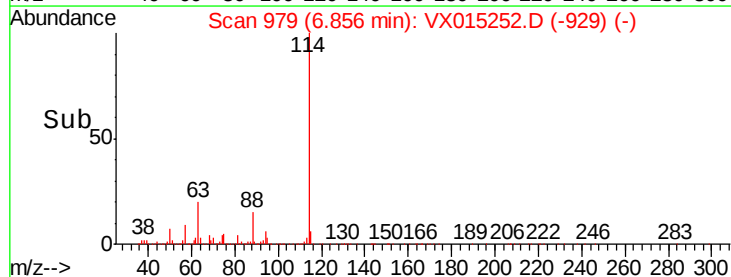
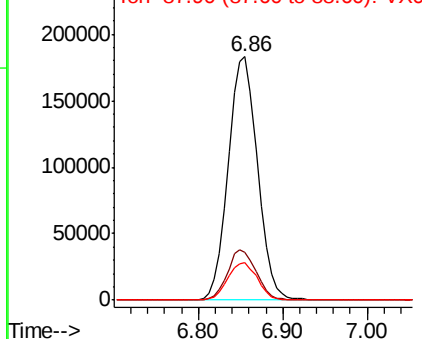
88 15.2 0.0 30.6

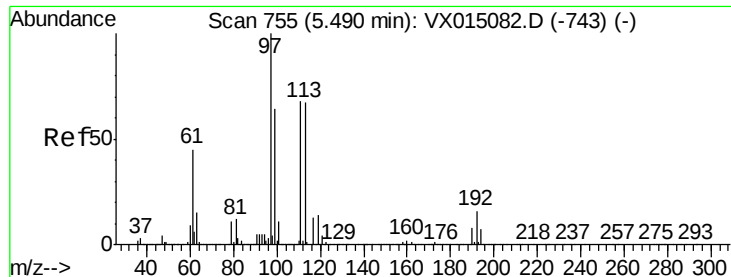


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

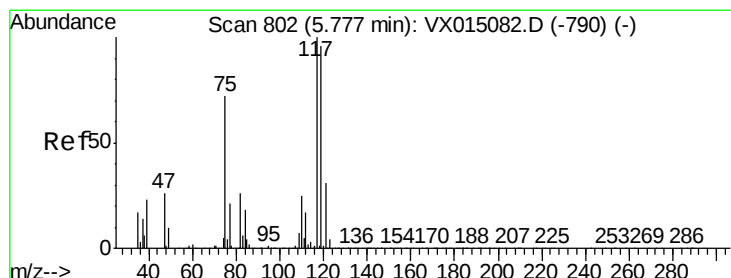
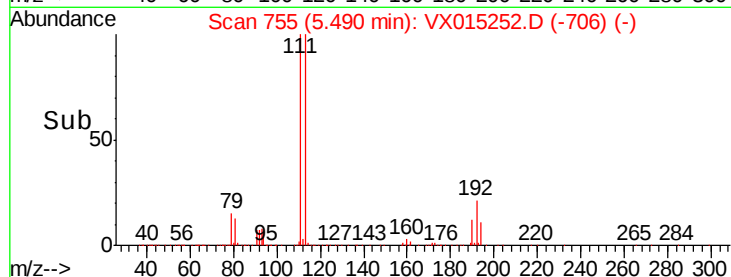
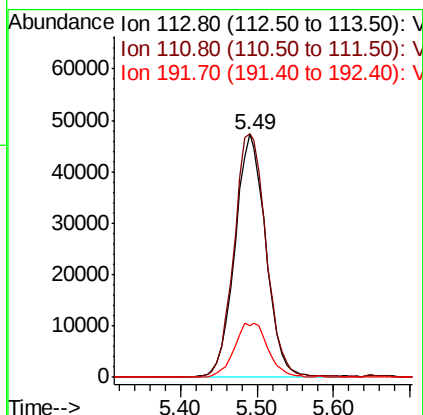
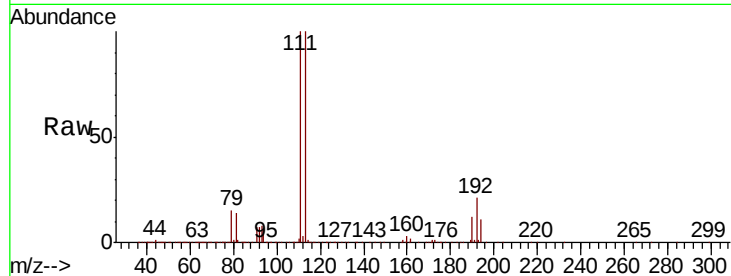




#35
Dibromofluoromethane
Concen: 48.573 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX015252.D
Acq: 13 Mar 2020 12:19

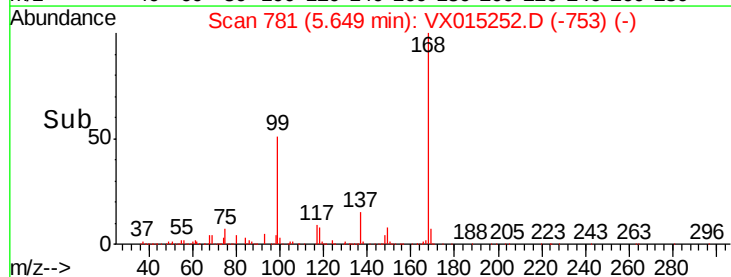
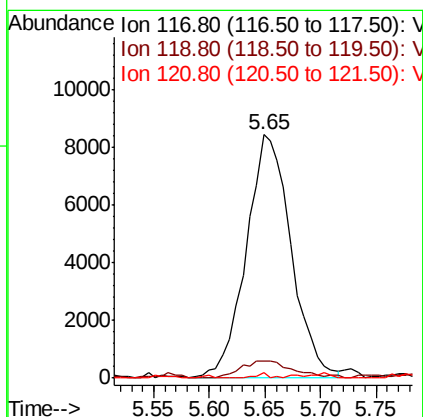
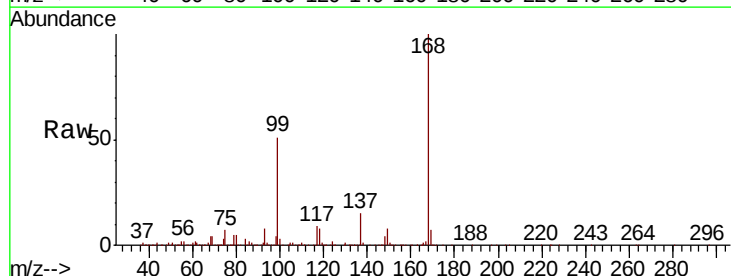
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20200311

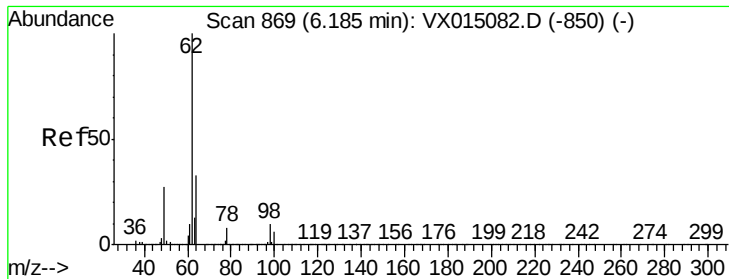
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	123.8
192	24.3	18.6	28.0



#38
Carbon Tetrachloride
Concen: 6.307 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX015252.D
Acq: 13 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	76.9	115.3#
121	2.1	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.233 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX015252.D

Acq: 13 Mar 2020 12:19

Instrument :

MSVOA_X

ClientSampleId :

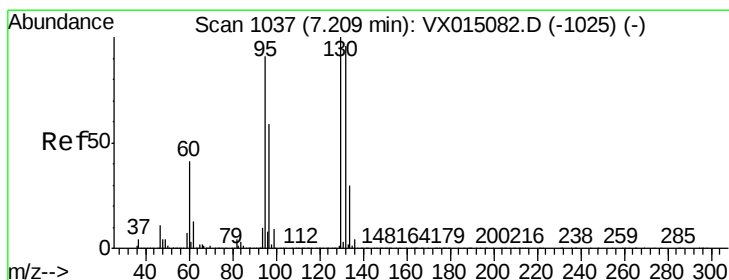
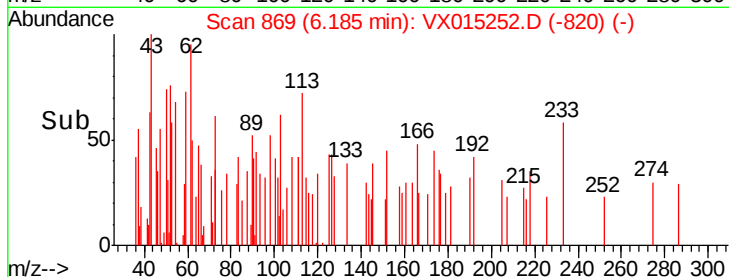
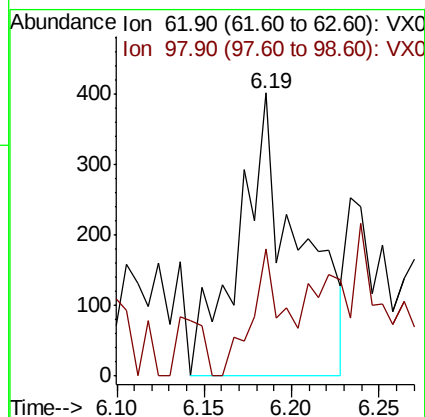
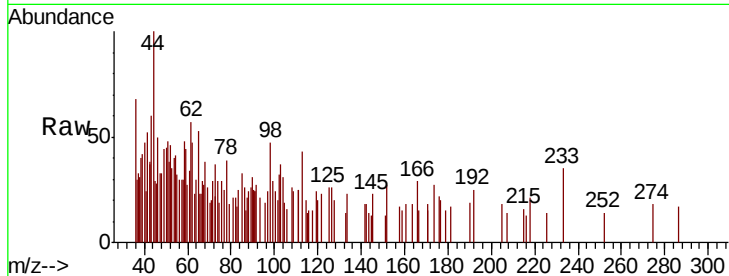
RE135D1-20200311

Tot Ion: 62 Resp: 948

Ion Ratio Lower Upper

62 100

98 23.8 0.0 20.6#



#44

Trichloroethene

Concen: 0.588 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX015252.D

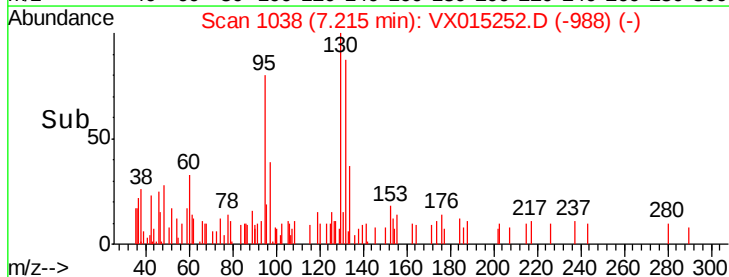
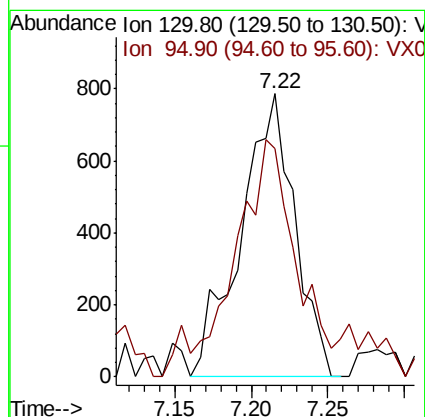
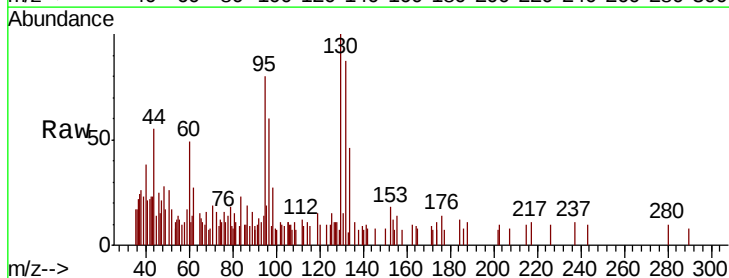
Acq: 13 Mar 2020 12:19

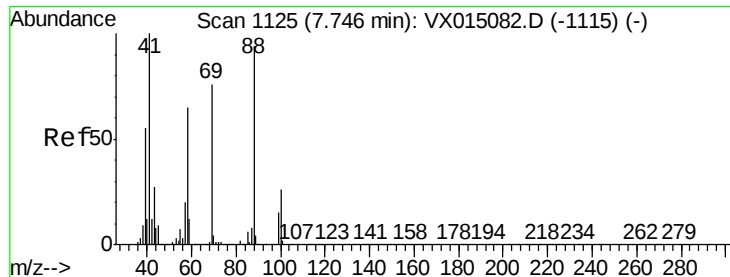
Tgt Ion:130 Resp: 1940

Ion Ratio Lower Upper

130 100

95 72.2 0.0 181.2

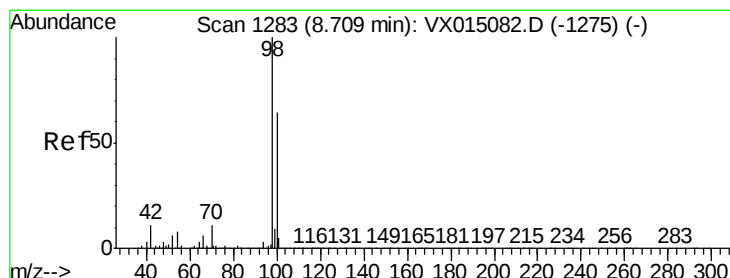
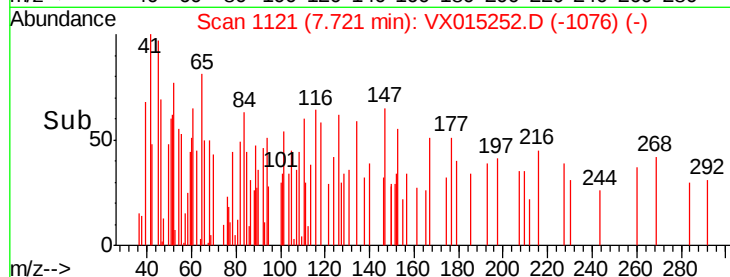
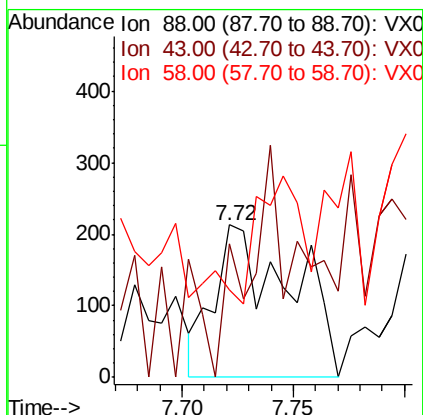
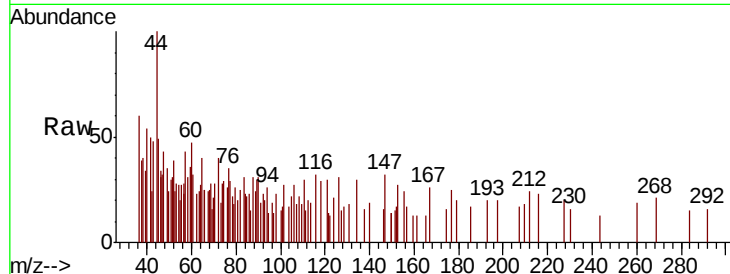




#49
1,4-Dioxane
Concen: 7.026 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.02 min
Lab File: VX015252.D
Acq: 13 Mar 2020 12:19

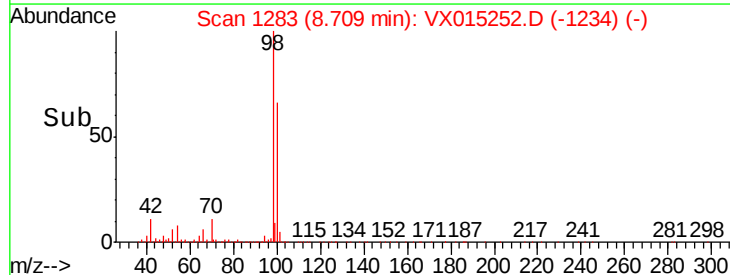
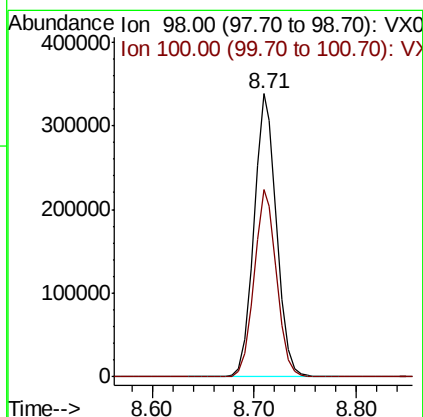
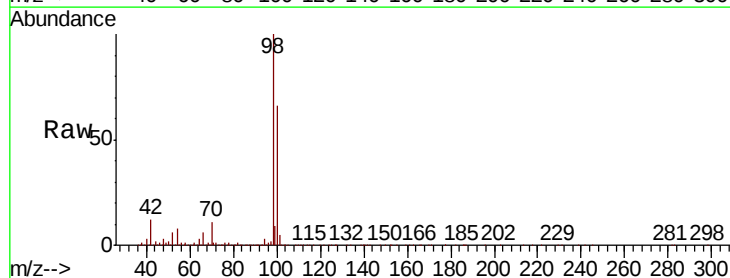
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20200311

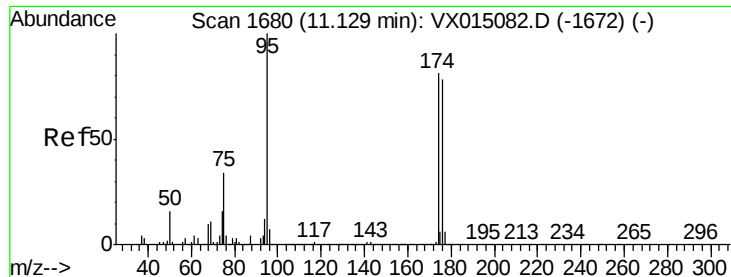
Tot Ion: 88 Resp: 504
Ion Ratio Lower Upper
88 100
43 18.5 27.0 40.4#
58 0.0 55.6 83.4#



#50
Toluene-d8
Concen: 50.290 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015252.D
Acq: 13 Mar 2020 12:19

Tgt Ion: 98 Resp: 521447
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6

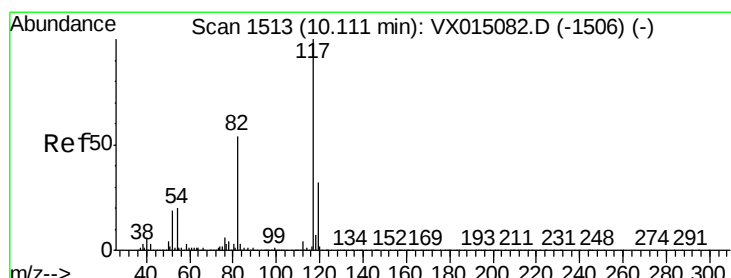
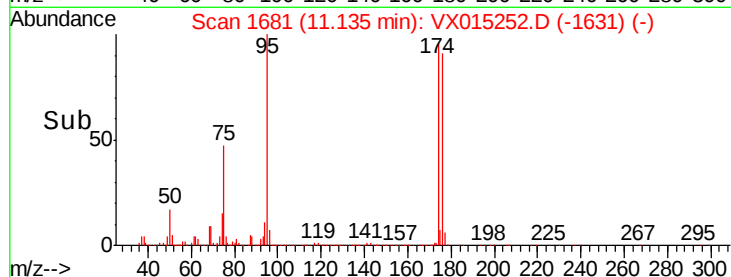
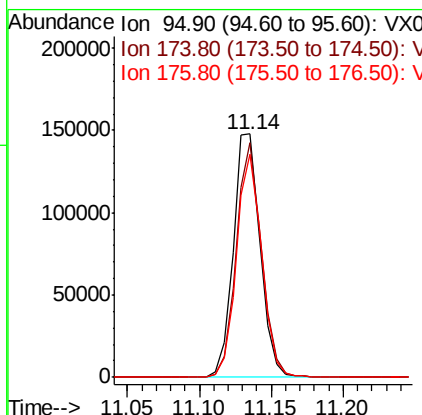
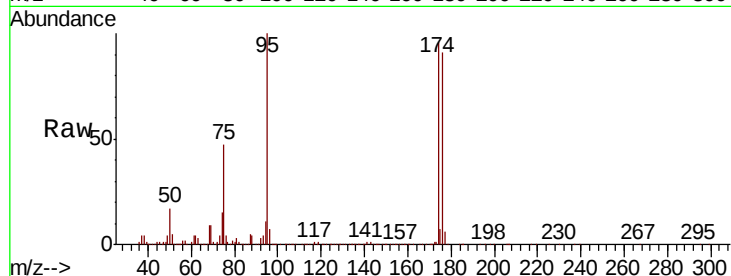




#62
4-Bromofluorobenzene
Concen: 52.335 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX015252.D
Acq: 13 Mar 2020 12:19

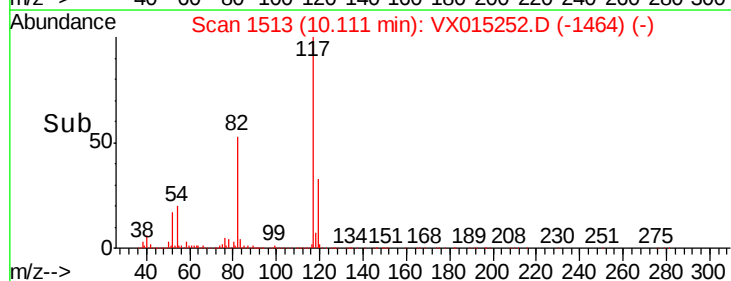
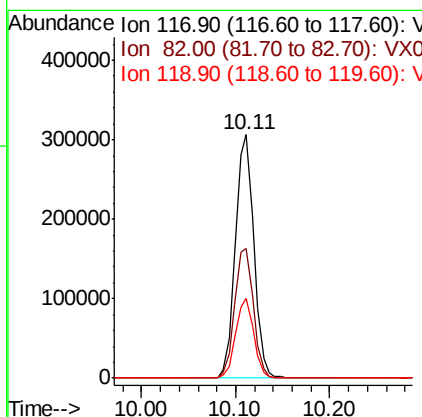
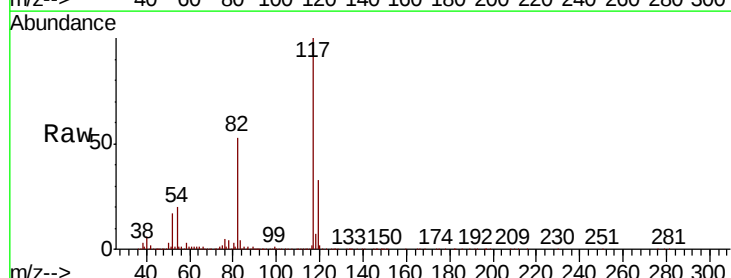
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20200311

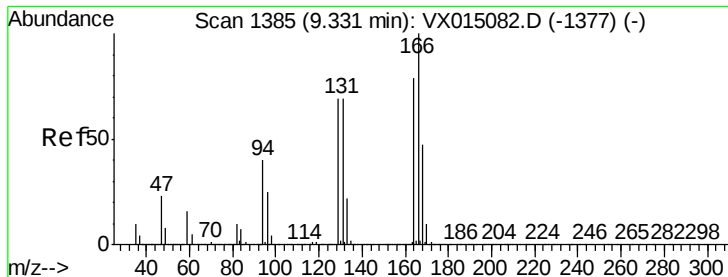
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	177.6
176	86.0	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015252.D
Acq: 13 Mar 2020 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.3	64.9
119	32.9	25.8	38.8





#64

Tetrachloroethene

Concen: 0.256 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX015252.D

Acq: 13 Mar 2020 12:19

Instrument :

MSVOA_X

ClientSampleId :

RE135D1-20200311

Tot Ion:164 Resp: 879

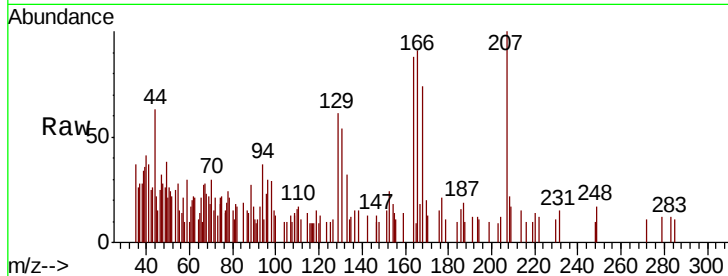
Ion Ratio Lower Upper

164 100

166 103.2 101.1 151.7

129 69.8 69.4 104.0

131 61.7 69.8 104.8#

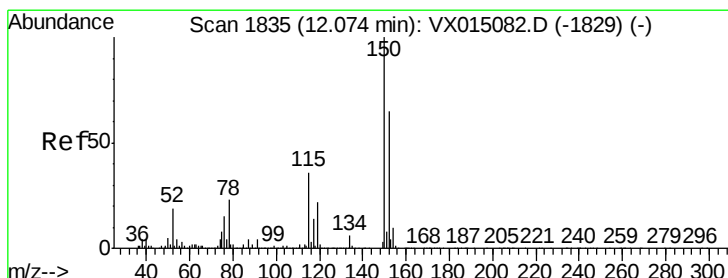
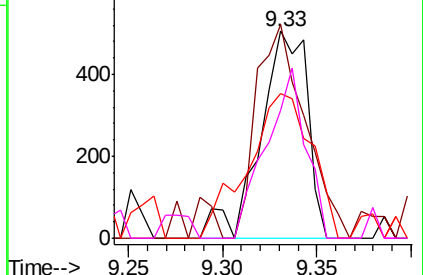
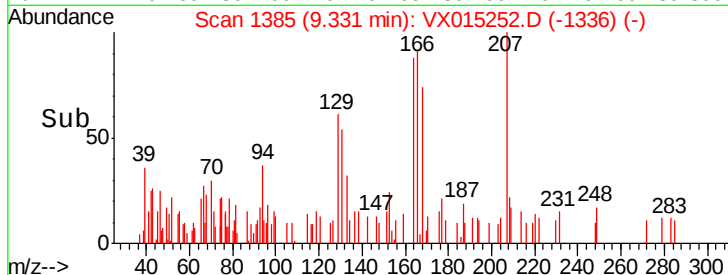


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX015252.D

Acq: 13 Mar 2020 12:19

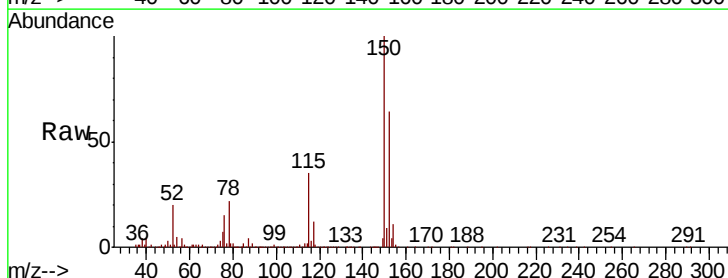
Tgt Ion:152 Resp: 213717

Ion Ratio Lower Upper

152 100

115 55.0 38.2 114.6

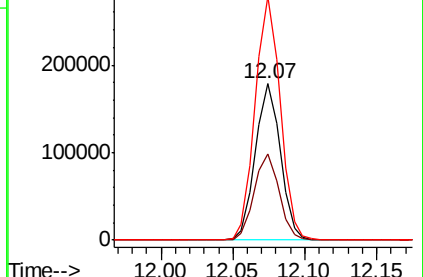
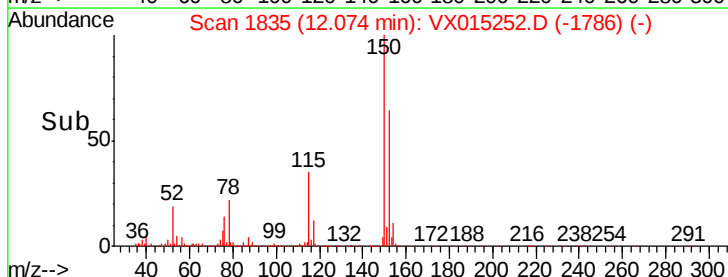
150 156.1 0.0 343.8

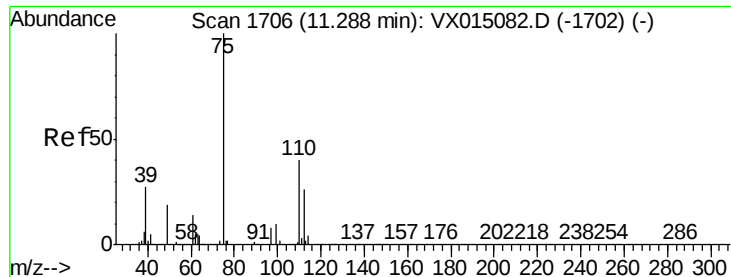


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

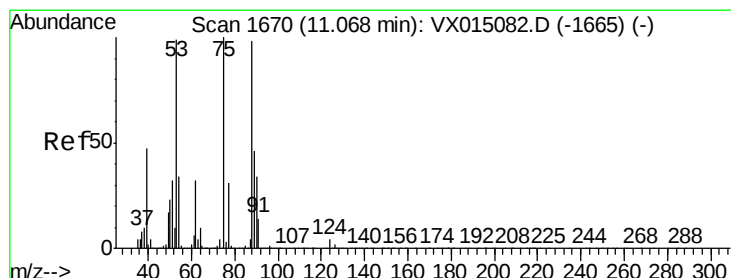
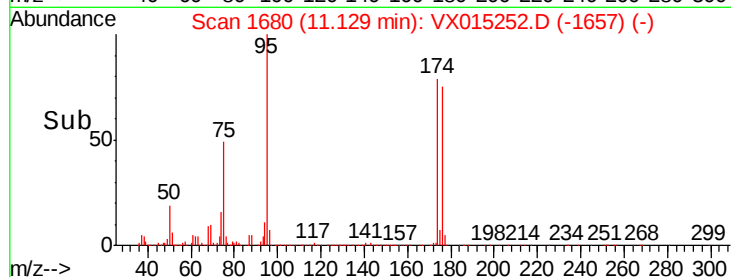
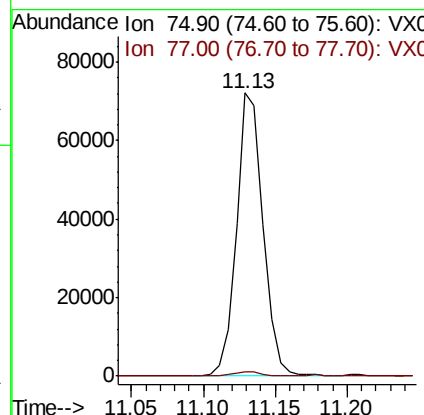
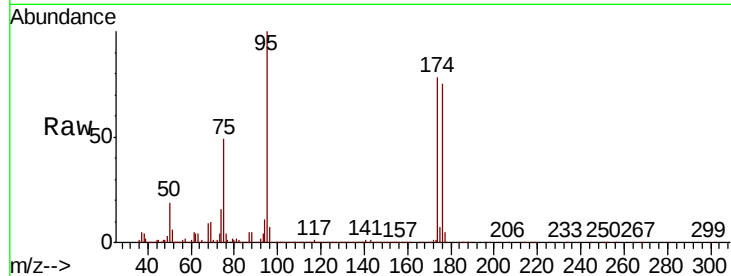




#76
 1,2,3-Trichloropropane
 Concen: 21.672 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX015252.D
 Acq: 13 Mar 2020 12:19

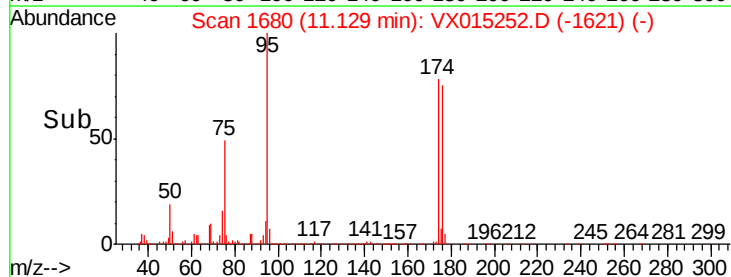
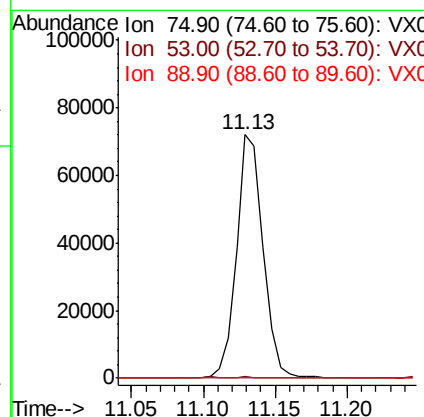
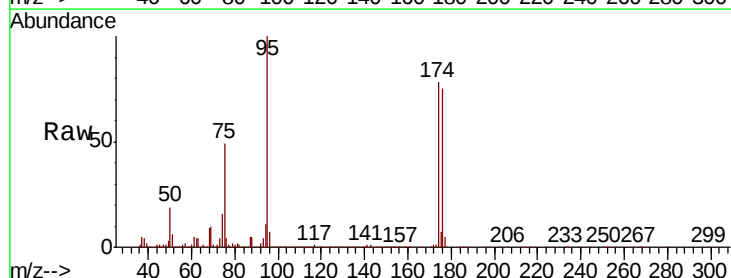
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D1-20200311

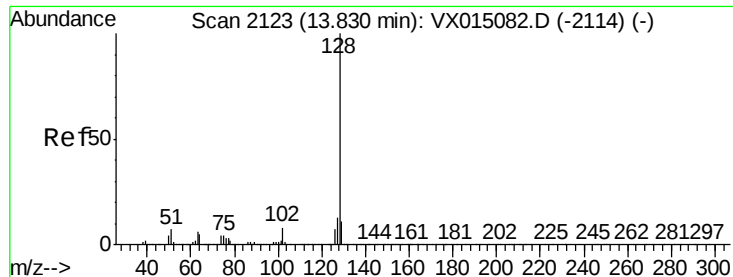
Tot Ion: 75 Resp: 92390
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.507 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX015252.D
 Acq: 13 Mar 2020 12:19

Tgt Ion: 75 Resp: 92390
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.9 116.9#
 89 0.0 36.2 54.2#





#95
Naphthalene
Concen: 1.464 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015252.D
Acq: 13 Mar 2020 12:19

Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20200311

Tot Ion	Ratio	Lower	Upper
128	100		
127	30.2	10.3	15.5#
129	27.8	8.6	13.0#

