

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022620\
 Data File : VX015010.D
 Acq On : 26 Feb 2020 11:13
 Operator : JC/SP
 Sample : L1683-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20200225

Quant Time: Feb 26 12:52:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	442765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	694455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	665697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	339336	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	248518	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	5.49	113	212765	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	8.71	98	830813	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.14	95	309293	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	

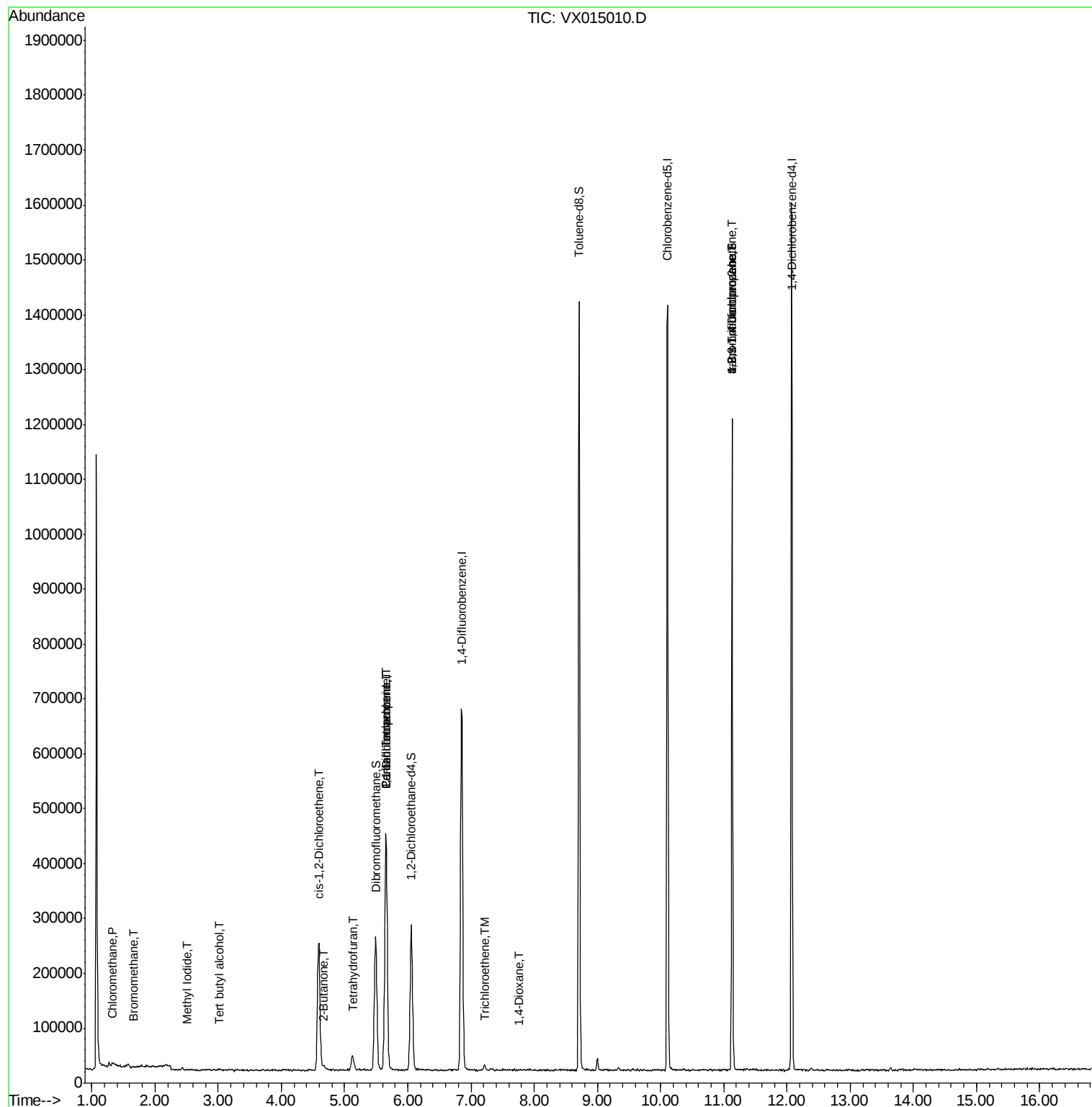
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1456	0.31	ug/l	92
5) Bromomethane	1.66	94	1154	0.35	ug/l	# 48
10) Methyl Iodide	2.51	142	1351	4.63	ug/l	# 76
11) Tert butyl alcohol	3.01	59	504	0.57	ug/l	# 1
16) Acetone	2.43	43	4531	Below	Cal	# 75
25) 2-Butanone	4.67	43	7083	2.08	ug/l	# 63
27) cis-1,2-Dichloroethene	4.59	96	154417	30.85	ug/l	90
29) Tetrahydrofuran	5.13	42	25122	12.99	ug/l	97
36) 1,1-Dichloropropene	5.66	75	30373	4.89	ug/l	# 51
38) Carbon Tetrachloride	5.65	117	40268	6.65	ug/l	# 16
44) Trichloroethene	7.21	130	4815	0.89	ug/l	98
49) 1,4-Dioxane	7.76	88	450	4.58	ug/l	# 53
76) 1,2,3-Trichloropropane	11.13	75	149926	24.43	ug/l	# 40
81) trans-1,4-Dichloro-2-buten	11.13	75	149926	62.54	ug/l	# 12

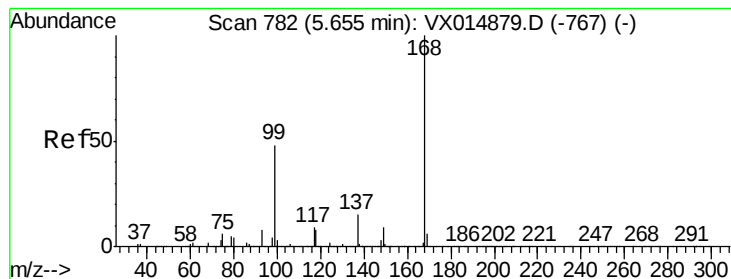
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX022620\
Data File : VX015010.D
Acq On : 26 Feb 2020 11:13
Operator : JC/SP
Sample : L1683-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20200225

Quant Time: Feb 26 12:52:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 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: VX015010.D

Acq: 26 Feb 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

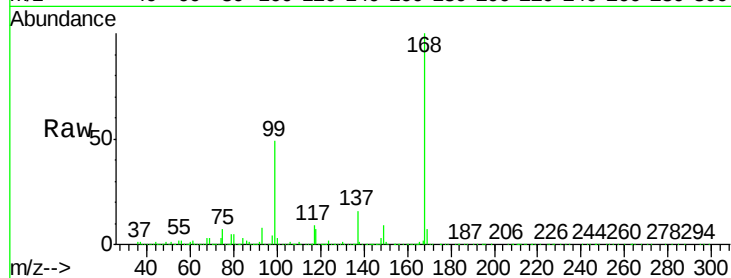
GR-OF-20200225

Tgt Ion:168 Resp: 442765

Ion Ratio Lower Upper

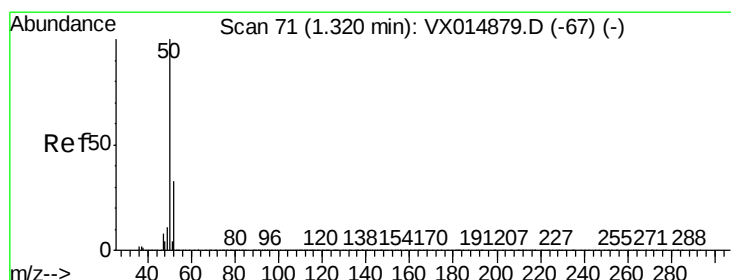
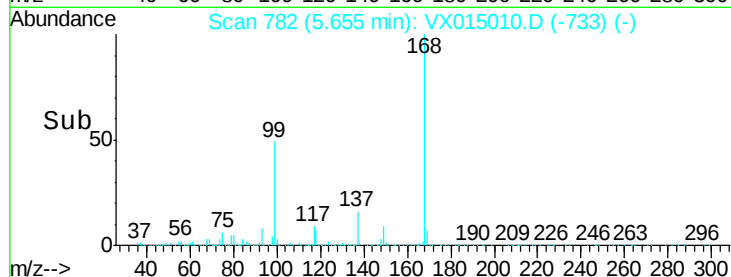
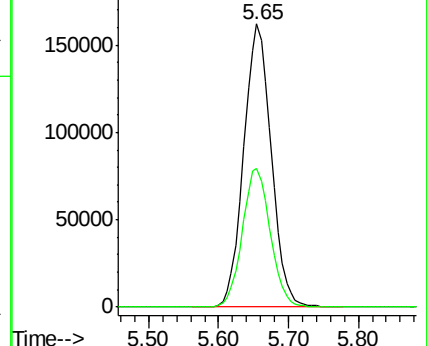
168 100

99 48.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.31 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015010.D

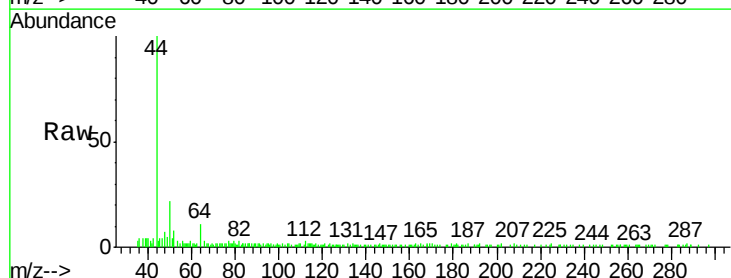
Acq: 26 Feb 2020 11:13

Tgt Ion: 50 Resp: 1456

Ion Ratio Lower Upper

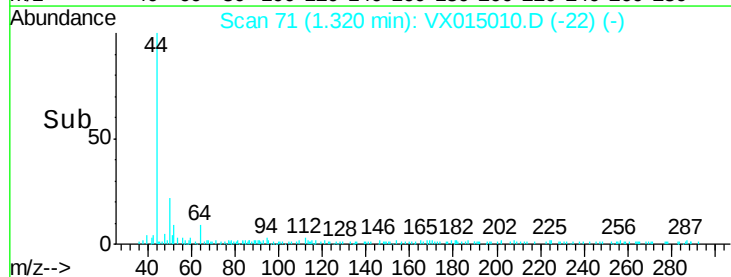
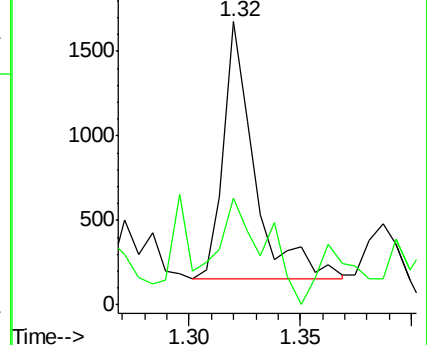
50 100

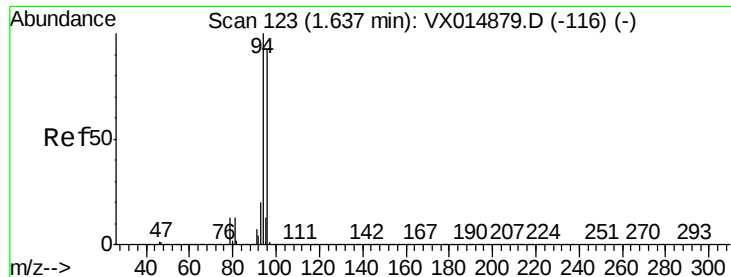
52 28.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.35 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX015010.D

Acq: 26 Feb 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

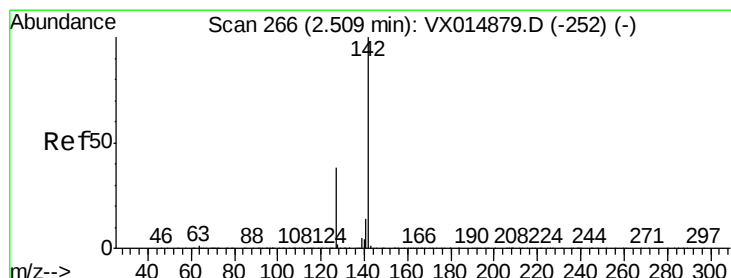
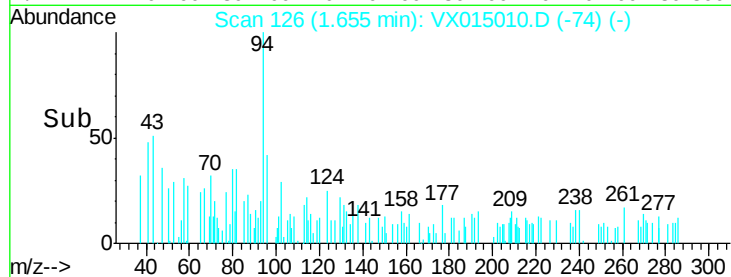
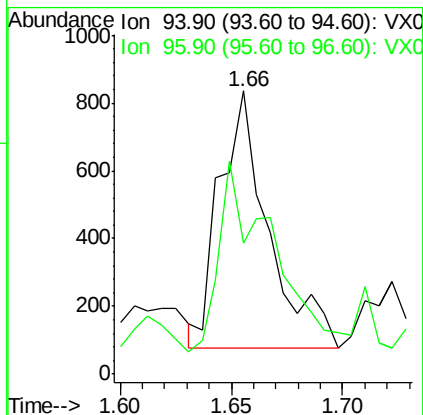
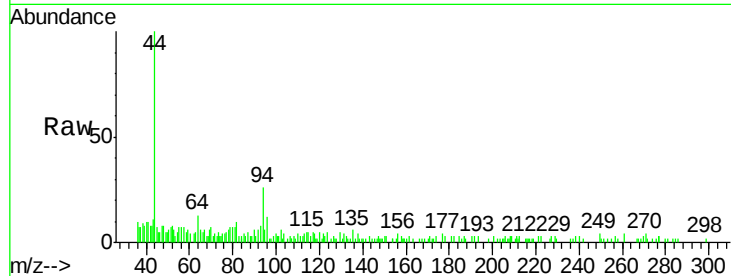
GR-OF-20200225

Tgt Ion: 94 Resp: 1154

Ion Ratio Lower Upper

94 100

96 42.7 73.7 110.5#



#10

Methyl Iodide

Concen: 4.63 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX015010.D

Acq: 26 Feb 2020 11:13

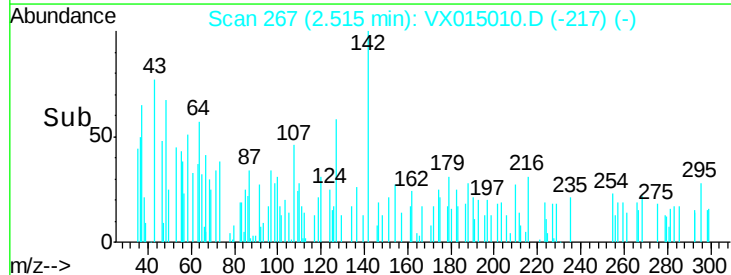
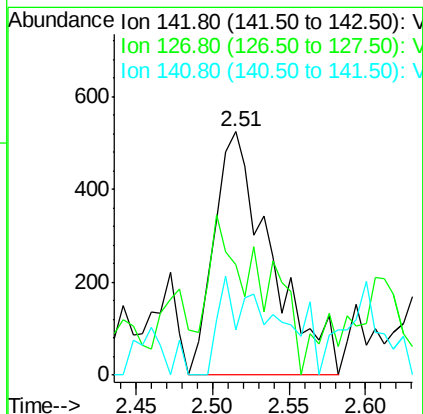
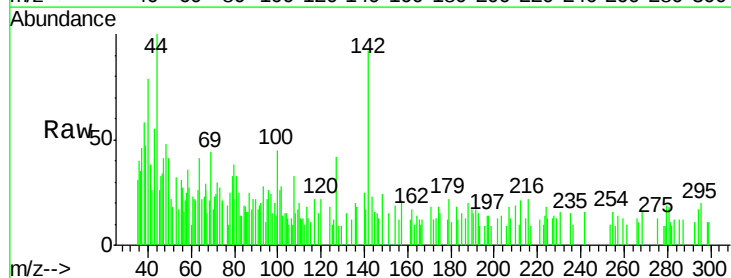
Tgt Ion: 142 Resp: 1351

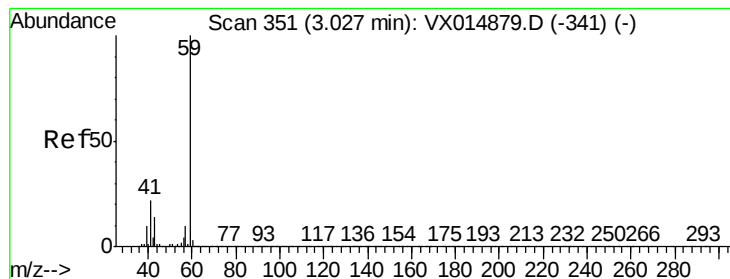
Ion Ratio Lower Upper

142 100

127 20.2 31.1 46.7#

141 11.6 11.3 16.9





#11

Tert butyl alcohol

Concen: 0.57 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX015010.D

Acq: 26 Feb 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

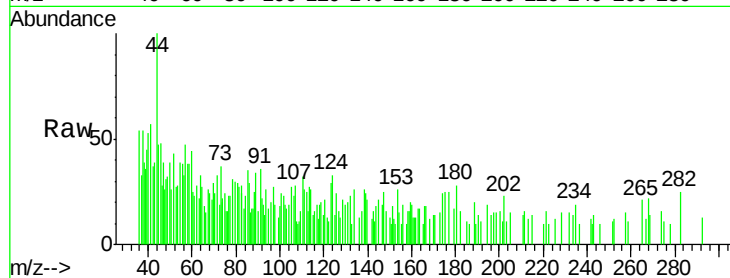
GR-OF-20200225

Tgt Ion: 59 Resp: 504

Ion Ratio Lower Upper

59 100

57 146.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

400

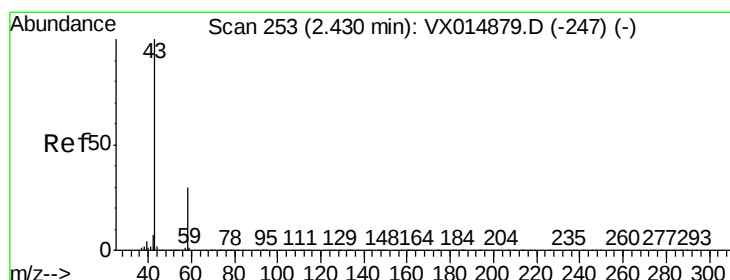
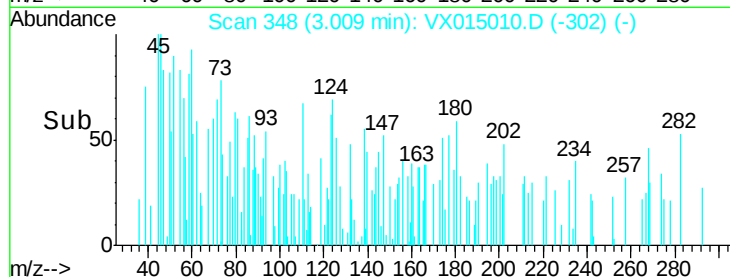
300

200

100

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015010.D

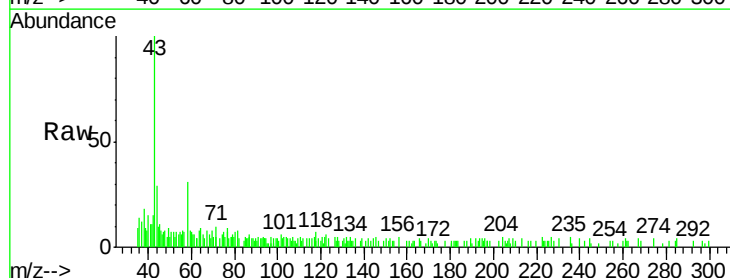
Acq: 26 Feb 2020 11:13

Tgt Ion: 43 Resp: 4531

Ion Ratio Lower Upper

43 100

58 16.7 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

2500

2000

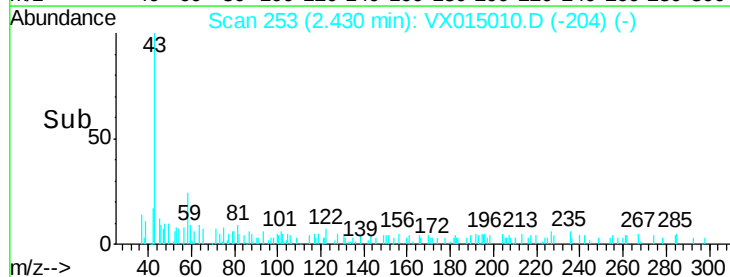
1500

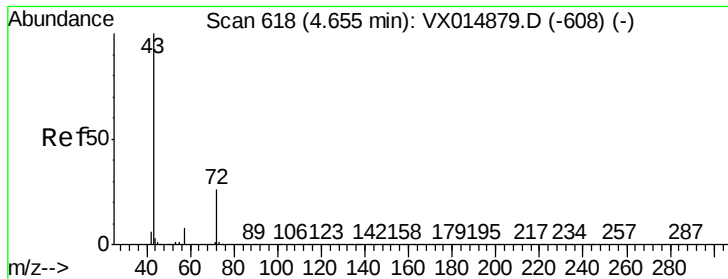
1000

500

0

Time-->





#25

2-Butanone

Concen: 2.08 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX015010.D

Acq: 26 Feb 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

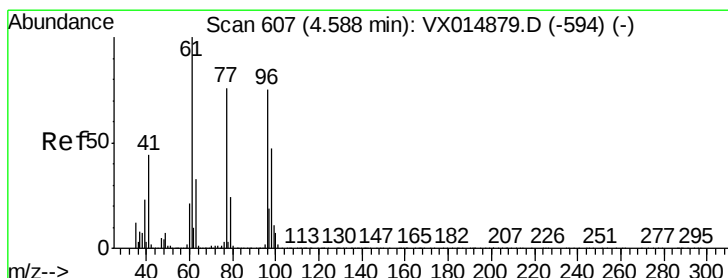
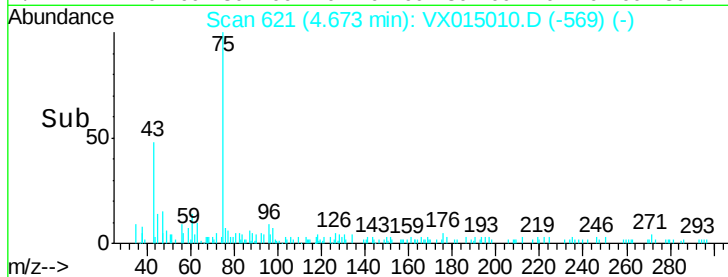
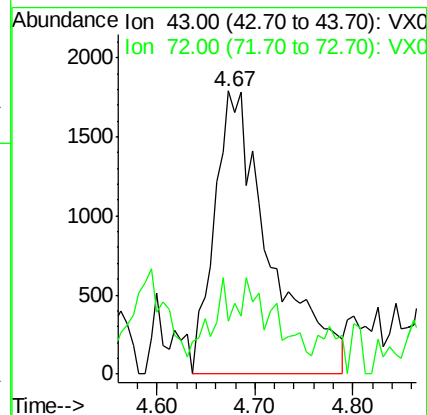
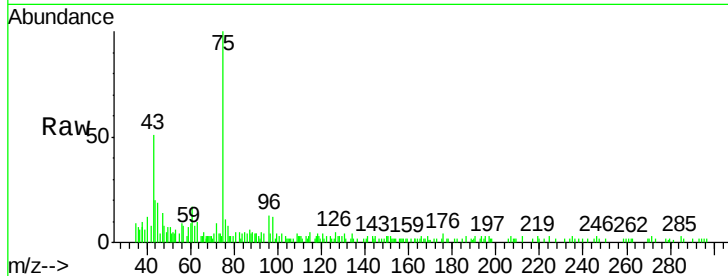
GR-OF-20200225

Tgt Ion: 43 Resp: 7083

Ion Ratio Lower Upper

43 100

72 7.3 21.0 31.6#



#27

cis-1,2-Dichloroethene

Concen: 30.85 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX015010.D

Acq: 26 Feb 2020 11:13

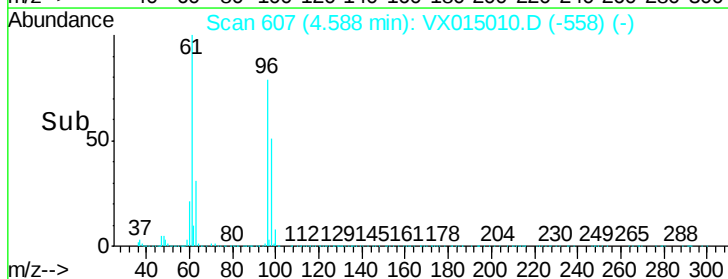
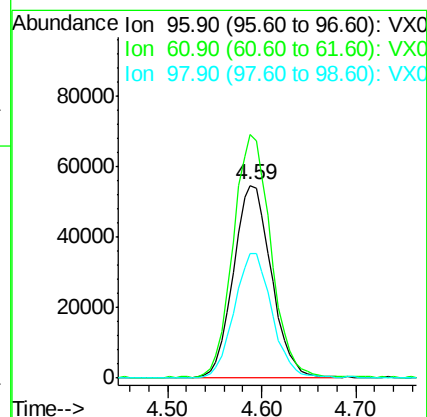
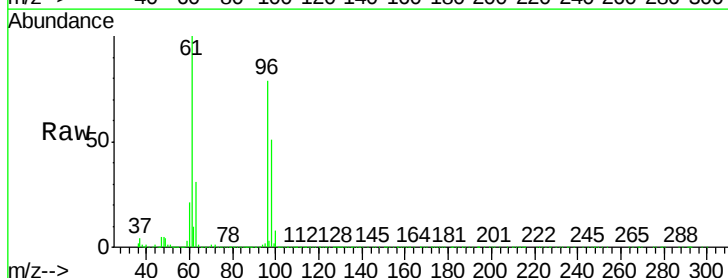
Tgt Ion: 96 Resp: 154417

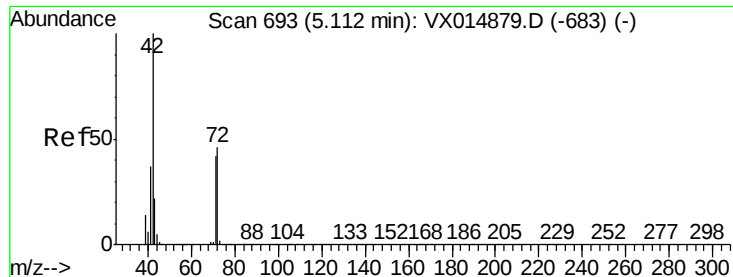
Ion Ratio Lower Upper

96 100

61 125.4 0.0 286.2

98 64.0 0.0 131.0

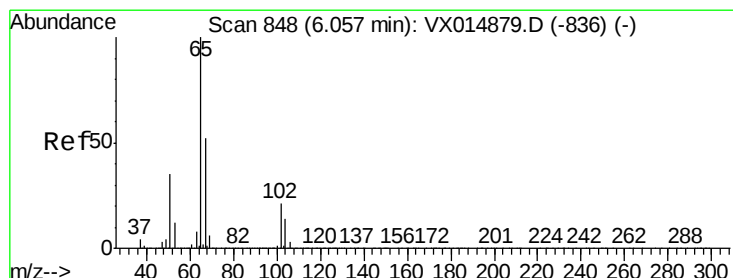
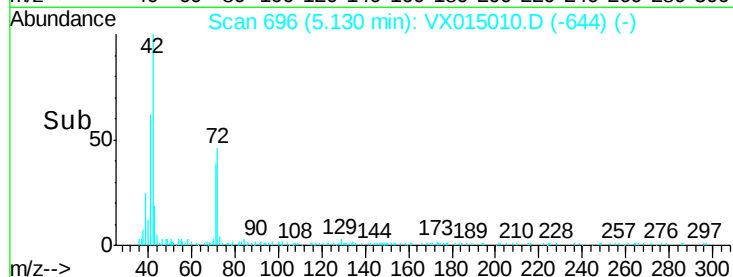
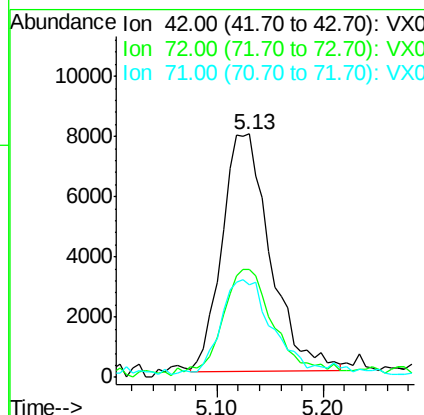
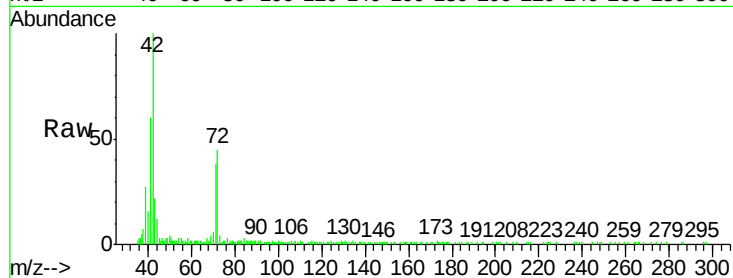




#29
Tetrahydrofuran
Concen: 12.99 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX015010.D
Acq: 26 Feb 2020 11:13

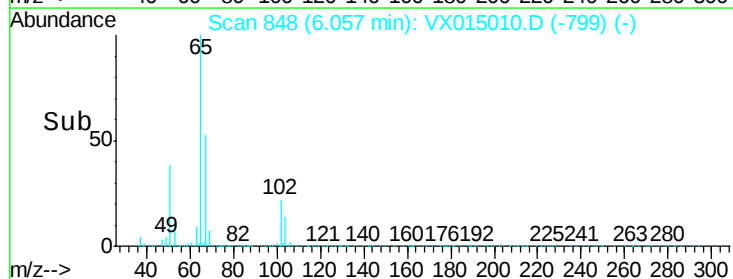
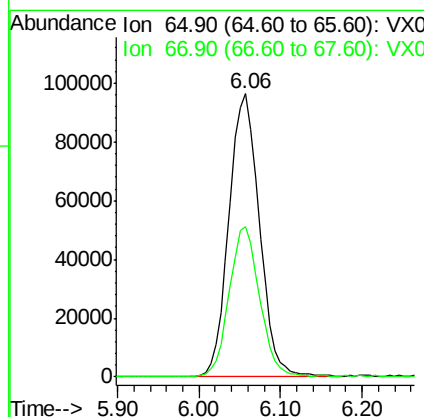
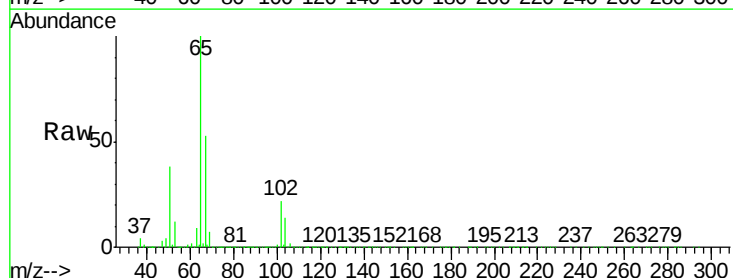
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20200225

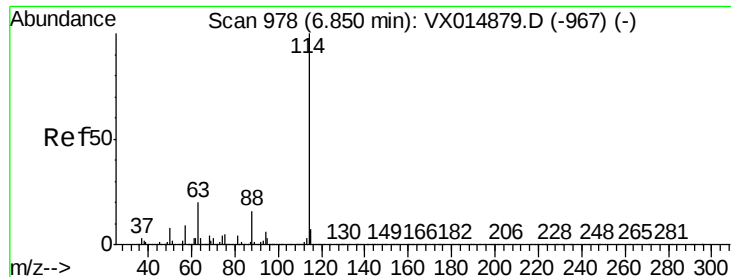
Tgt Ion: 42 Resp: 25122
Ion Ratio Lower Upper
42 100
72 49.4 36.9 55.3
71 41.4 34.1 51.1



#33
1,2-Dichloroethane-d4
Concen: 49.73 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX015010.D
Acq: 26 Feb 2020 11:13

Tgt Ion: 65 Resp: 248518
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015010.D

Acq: 26 Feb 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200225

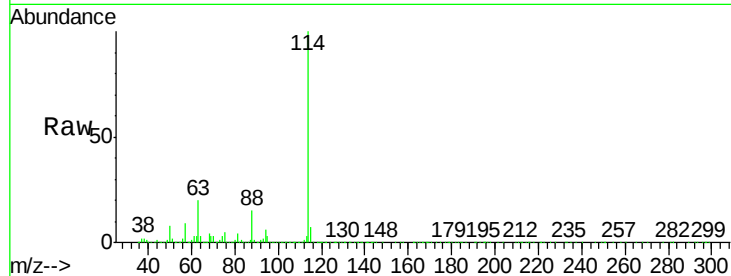
Tgt Ion:114 Resp: 694455

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.2

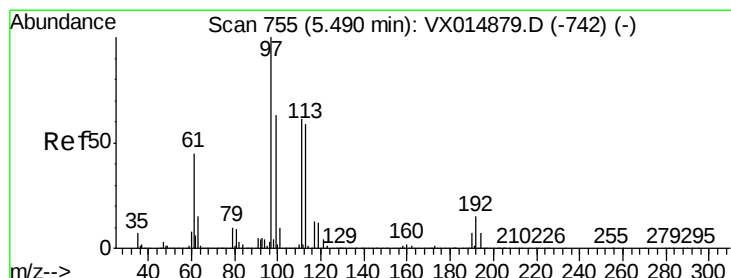
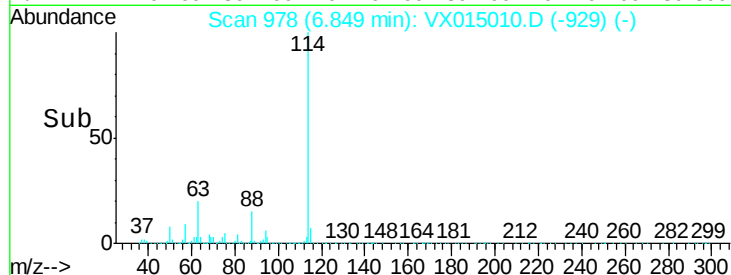
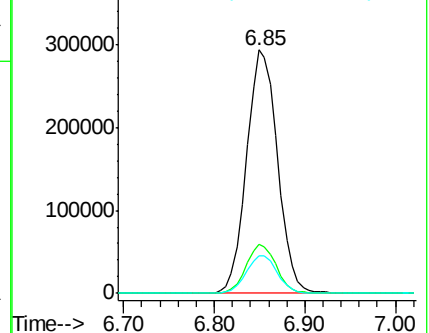
88 15.2 0.0 32.0



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: 49.84 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015010.D

Acq: 26 Feb 2020 11:13

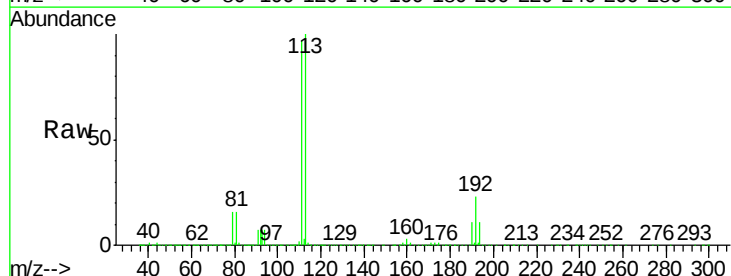
Tgt Ion:113 Resp: 212765

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

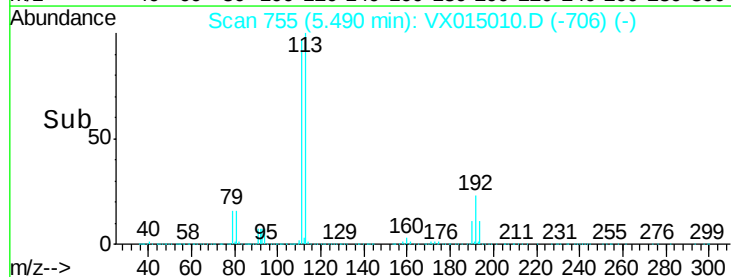
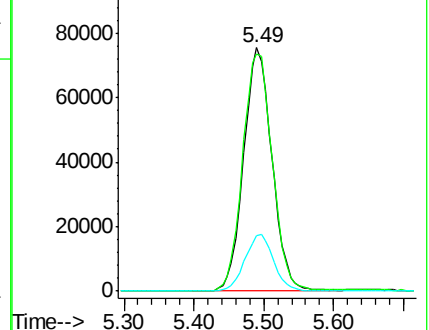
192 23.8 19.1 28.7

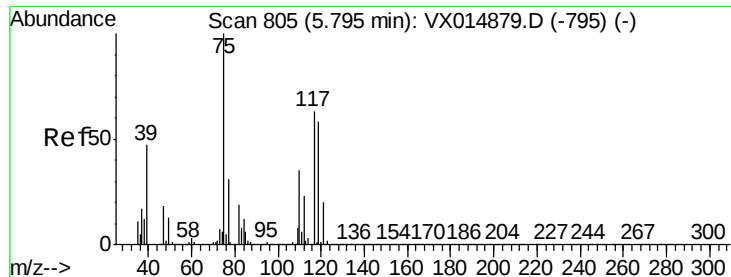


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

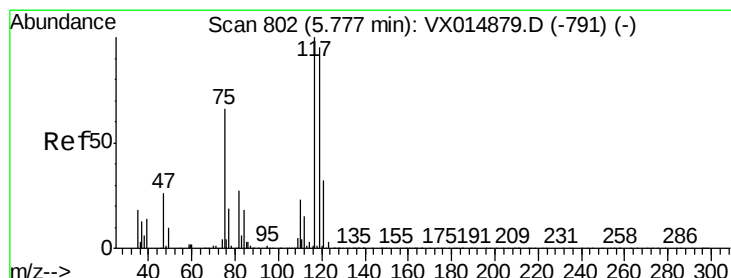
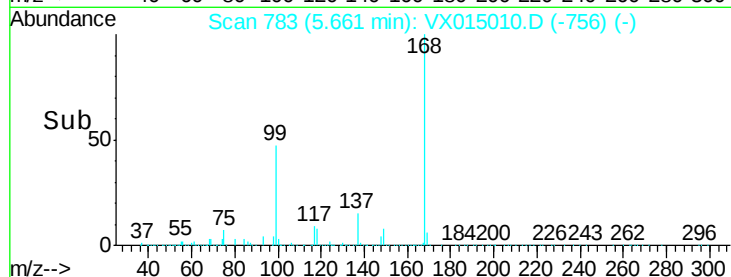
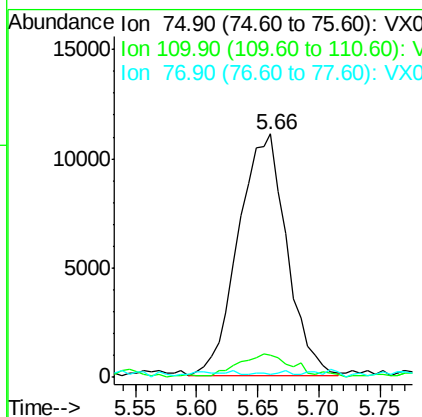
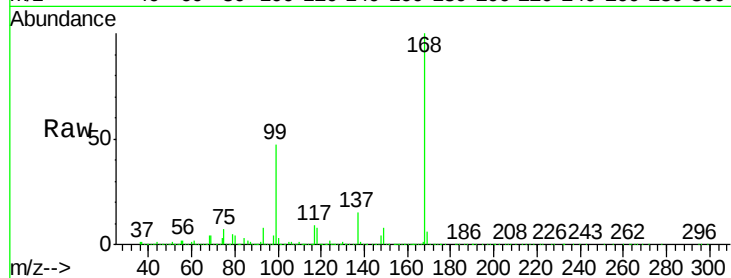




#36
 1,1-Dichloropropene
 Concen: 4.89 ug/l
 RT: 5.66 min Scan# 783
 Delta R.T. -0.13 min
 Lab File: VX015010.D
 Acq: 26 Feb 2020 11:13

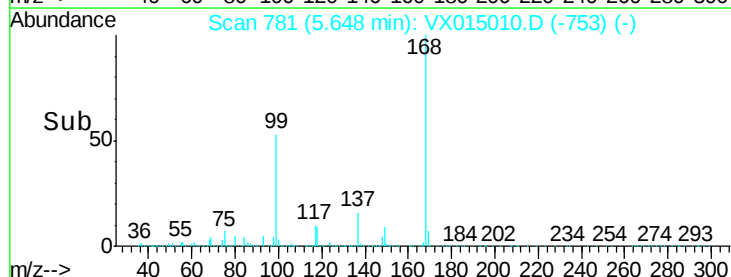
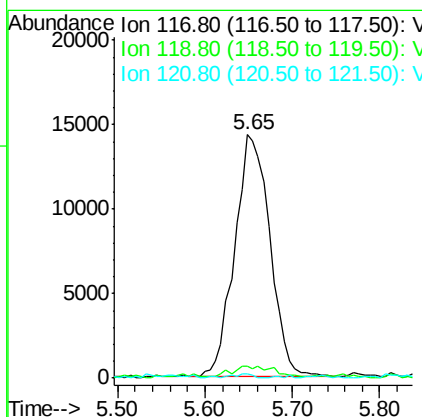
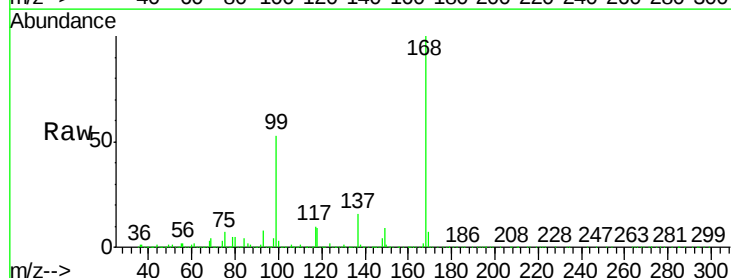
Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20200225

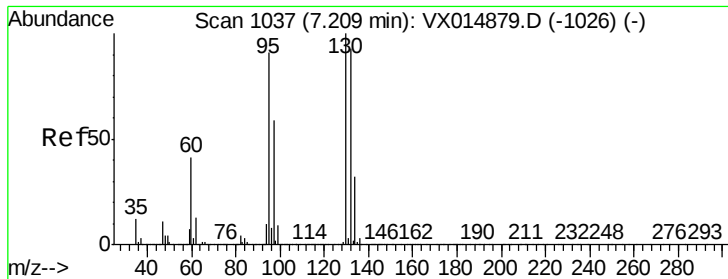
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.3	54.8#
77	0.5	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.65 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX015010.D
 Acq: 26 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	76.0	114.0#
121	1.0	25.4	38.2#





#44

Trichloroethene

Concen: 0.89 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015010.D

Acq: 26 Feb 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

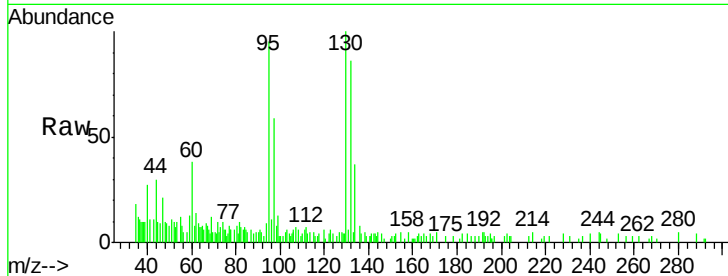
GR-OF-20200225

Tgt Ion:130 Resp: 4815

Ion Ratio Lower Upper

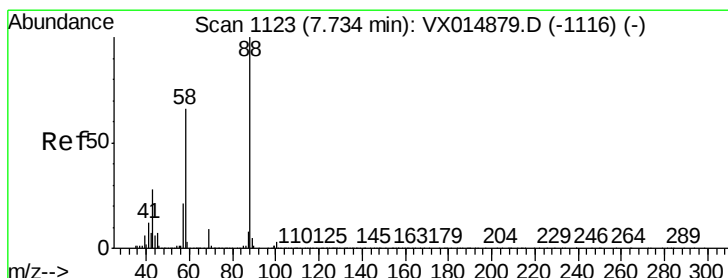
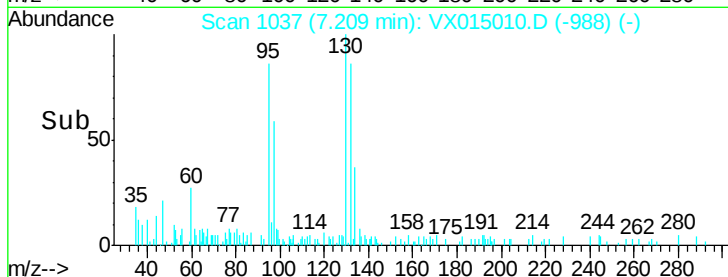
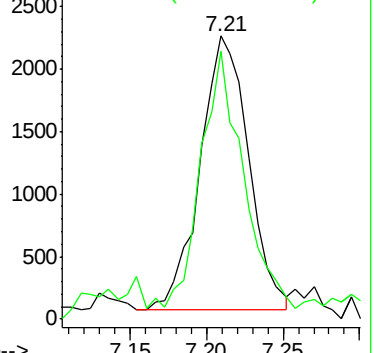
130 100

95 89.5 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 4.58 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.03 min

Lab File: VX015010.D

Acq: 26 Feb 2020 11:13

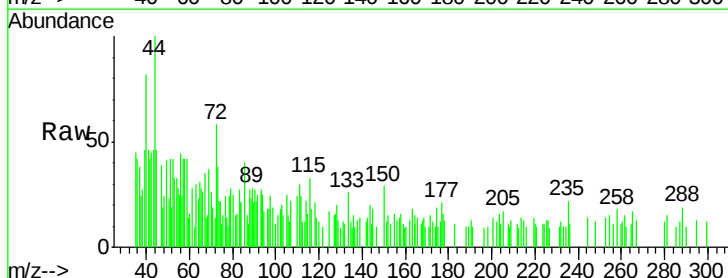
Tgt Ion: 88 Resp: 450

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

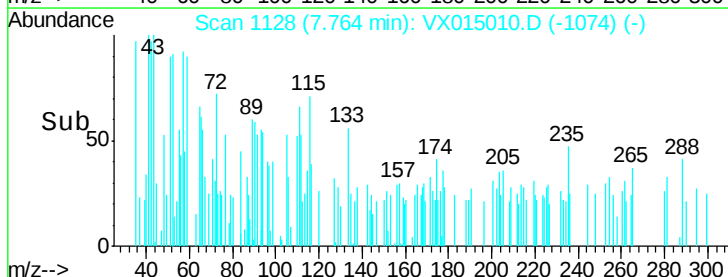
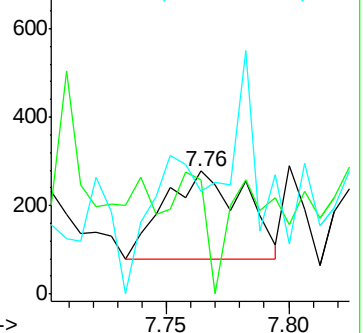
58 99.3 53.2 79.8#

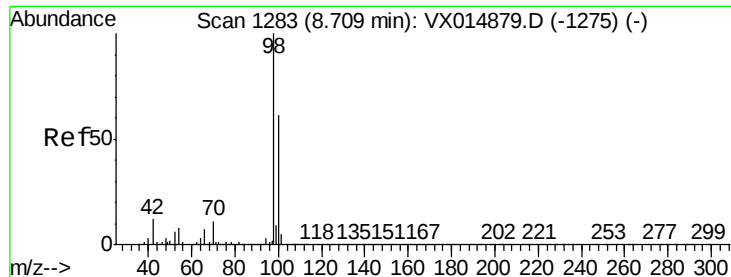


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.98 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015010.D

Acq: 26 Feb 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

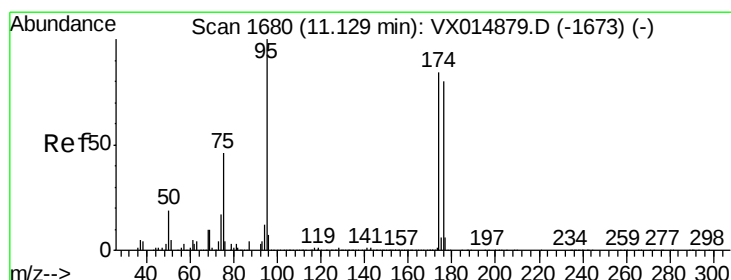
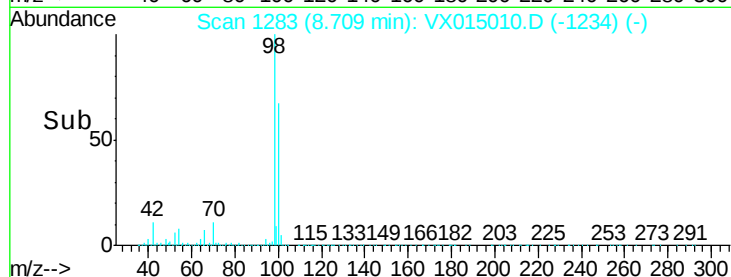
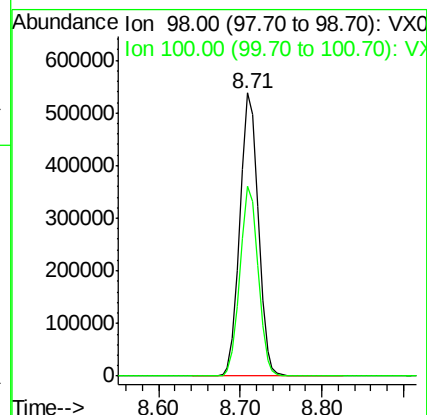
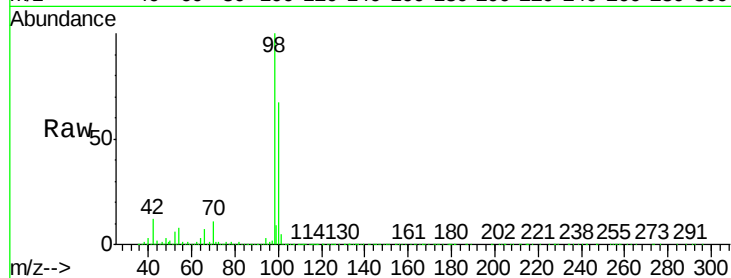
GR-OF-20200225

Tgt Ion: 98 Resp: 830813

Ion Ratio Lower Upper

98 100

100 66.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 52.69 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015010.D

Acq: 26 Feb 2020 11:13

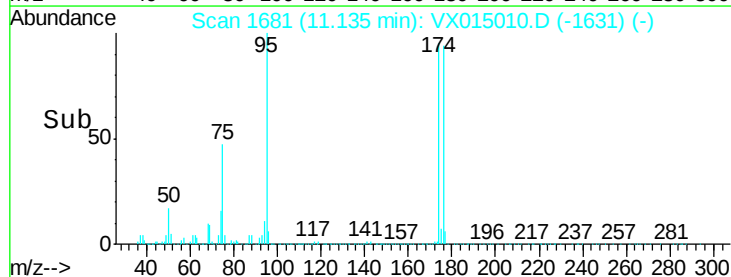
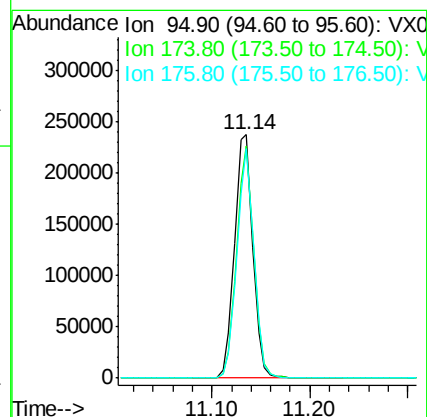
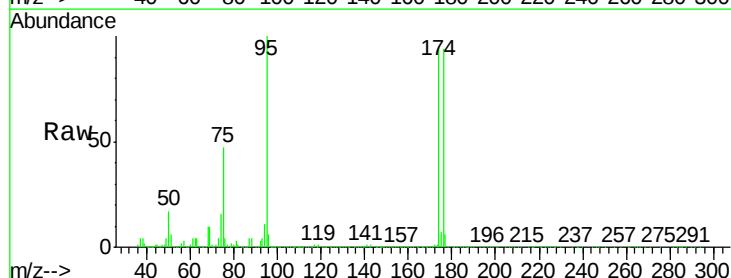
Tgt Ion: 95 Resp: 309293

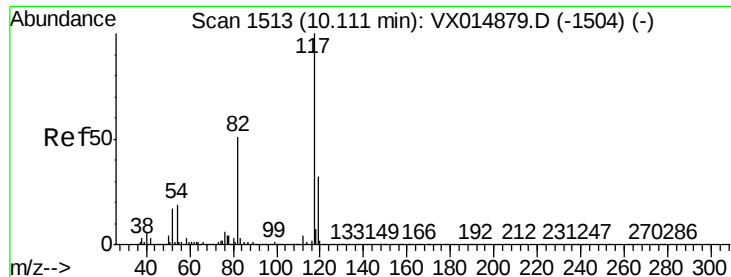
Ion Ratio Lower Upper

95 100

174 89.6 0.0 183.0

176 87.7 0.0 178.0

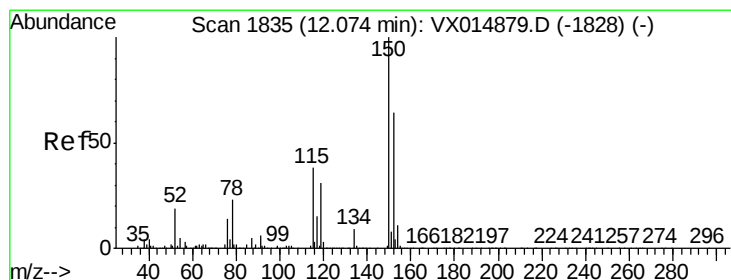
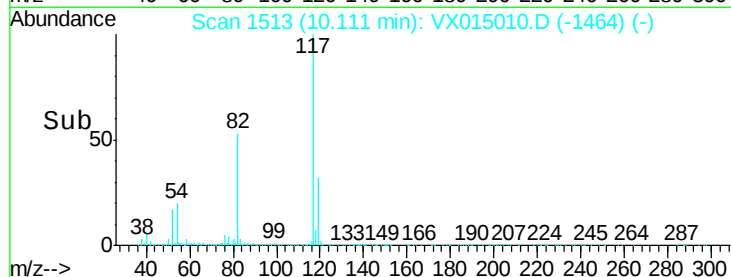
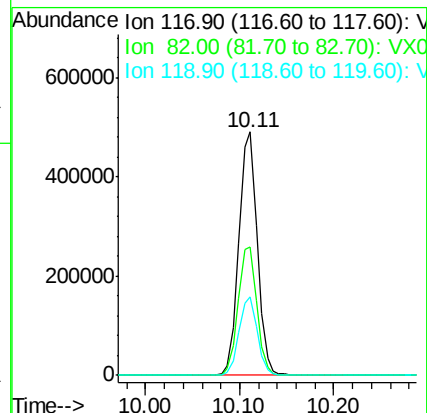
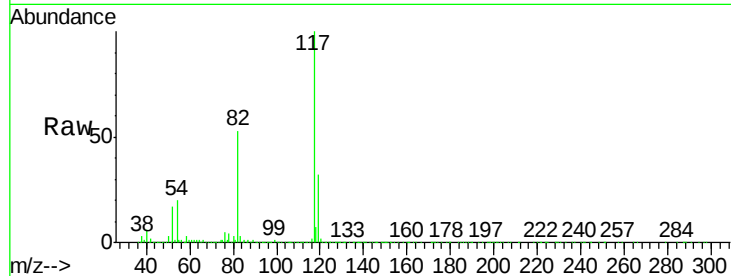




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015010.D
Acq: 26 Feb 2020 11:13

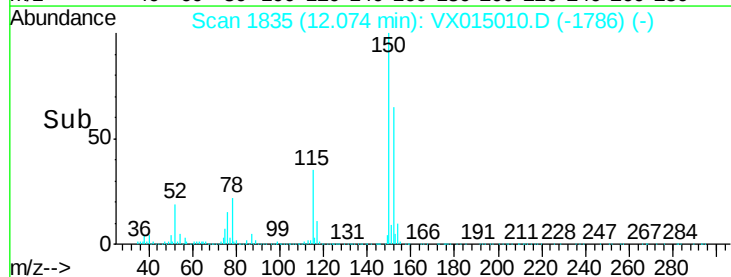
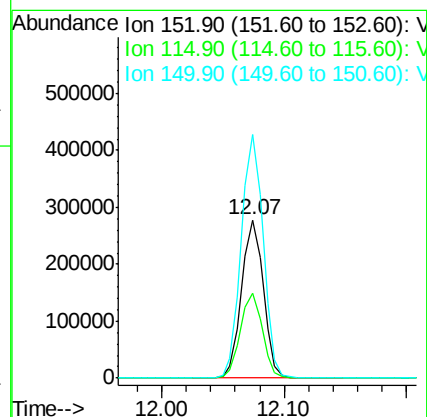
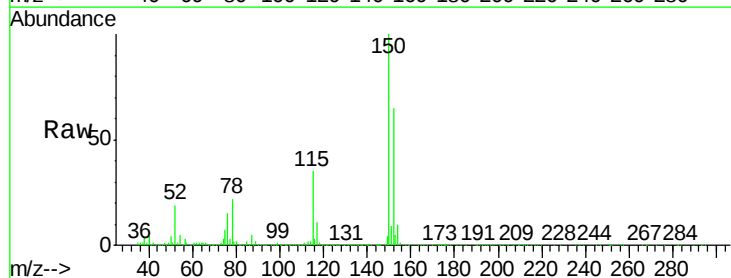
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20200225

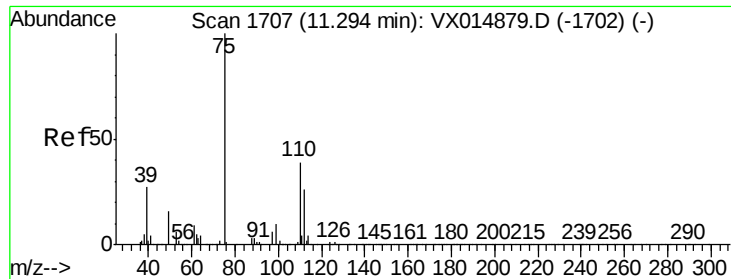
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	40.5	60.7
119	32.2	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015010.D
Acq: 26 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	38.6	116.0
150	155.8	0.0	349.0

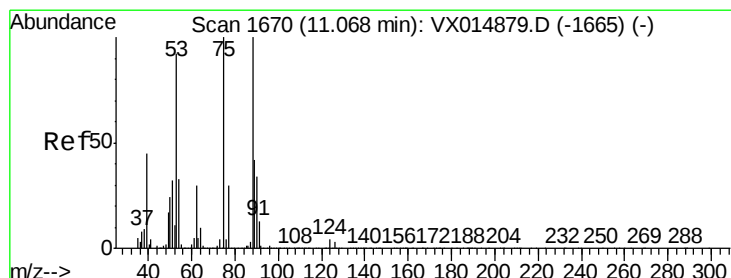
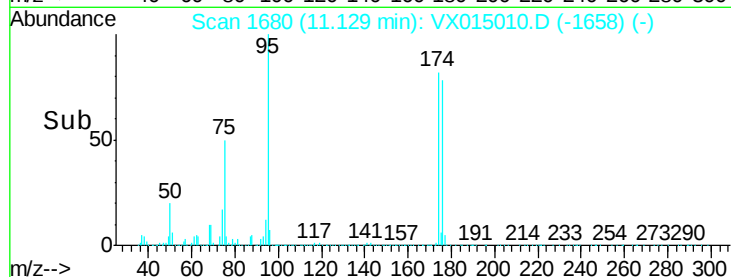
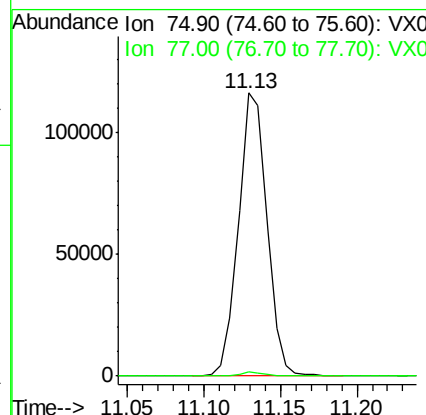
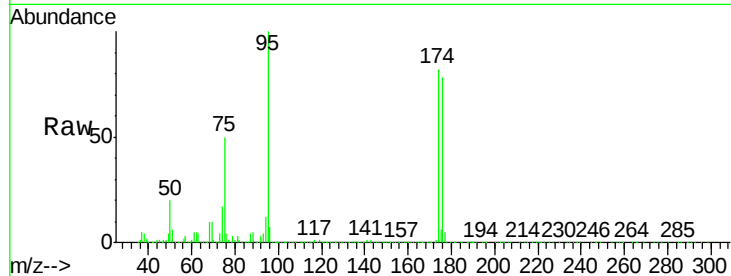




#76
 1,2,3-Trichloropropane
 Concen: 24.43 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX015010.D
 Acq: 26 Feb 2020 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20200225

Tgt Ion: 75 Resp: 149926
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.4 55.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.54 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX015010.D
 Acq: 26 Feb 2020 11:13

Tgt Ion: 75 Resp: 149926
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.2 114.2#
 89 0.0 35.8 53.6#

