

Data File : VX019635.D
Acq On : 25 Nov 2020 03:32
Operator : JC/MD
Sample : L4835-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119

Quant Time: Nov 25 04:12:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	296962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	483878	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	437603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	174930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	183707	47.71	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.42%
35) Dibromofluoromethane	5.46	113	145618	47.94	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.88%
50) Toluene-d8	8.70	98	585938	49.64	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.28%
62) 4-Bromofluorobenzene	11.12	95	202015	47.57	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.14%

Target Compounds

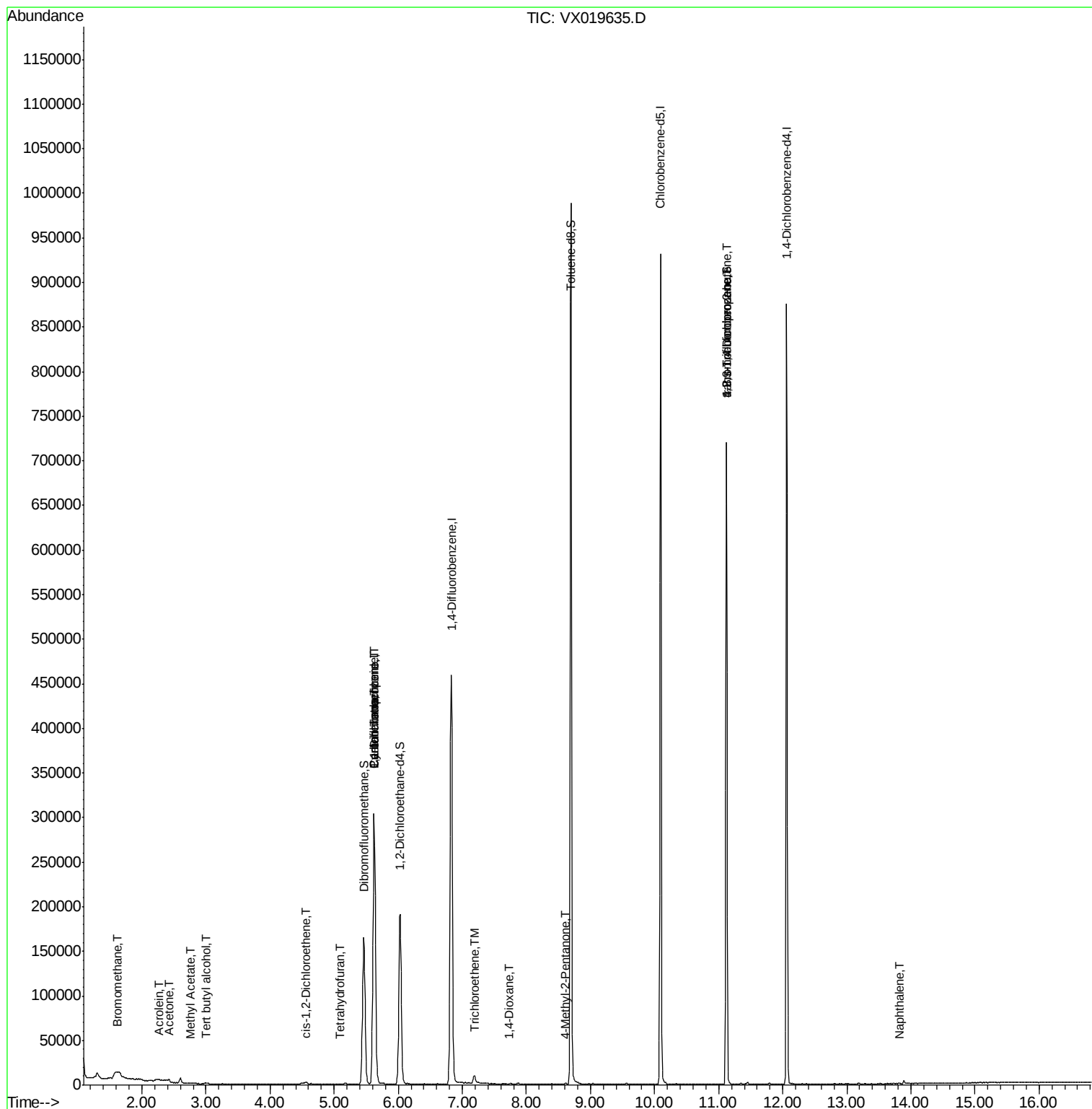
					Qvalue	
5) Bromomethane	1.62	94	551	0.408	ug/l #	65
6) Chloroethane	1.68	64	1108	Below	Cal #	53
11) Tert butyl alcohol	2.99	59	604	0.829	ug/l #	73
13) Acrolein	2.27	56	117	0.239	ug/l #	68
16) Acetone	2.42	43	3007	2.019	ug/l	97
18) Methyl Acetate	2.75	43	376	0.736	ug/l	91
27) cis-1,2-Dichloroethene	4.56	96	1355	0.353	ug/l	41
29) Tetrahydrofuran	5.10	42	373	0.261	ug/l #	46
31) Cyclohexane	5.62	56	5757	1.150	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22303	4.916	ug/l #	49
38) Carbon Tetrachloride	5.62	117	29213	6.653	ug/l #	17
44) Trichloroethene	7.19	130	3116	0.853	ug/l	99
49) 1,4-Dioxane	7.72	88	66	0.867	ug/l #	79
51) 4-Methyl-2-Pentanone	8.61	43	943	0.226	ug/l #	32
76) 1,2,3-Trichloropropane	11.12	75	98344	25.761	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	98344	67.921	ug/l #	12
95) Naphthalene	13.82	128	579	2.221	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019635.D

Acq: 25 Nov 2020 03:32

Instrument :

MSVOA_X

ClientSampleId :

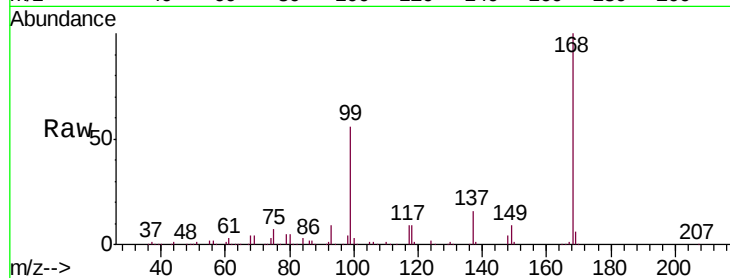
GR-OF-20201119

Tgt Ion:168 Resp: 296962

Ion Ratio Lower Upper

168 100

99 55.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

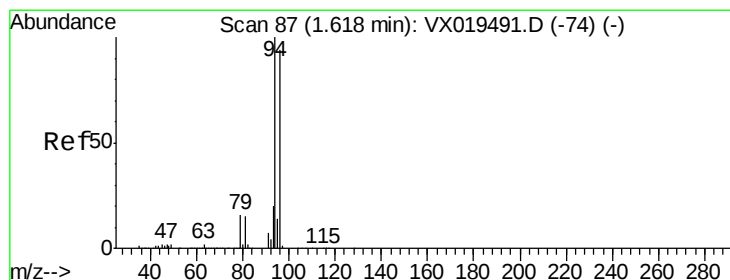
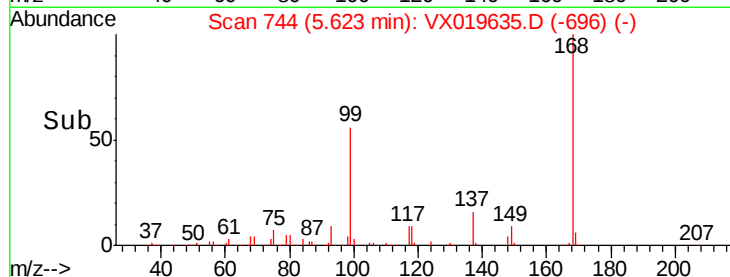
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.408 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019635.D

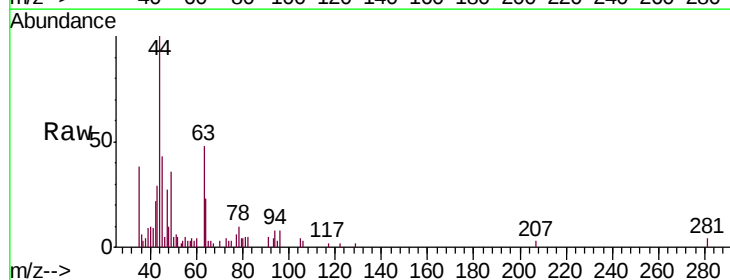
Acq: 25 Nov 2020 03:32

Tgt Ion: 94 Resp: 551

Ion Ratio Lower Upper

94 100

96 60.2 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

200

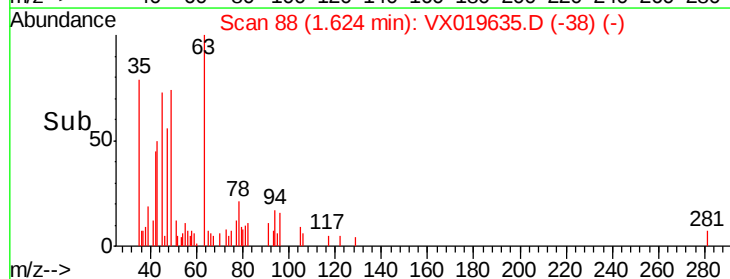
150

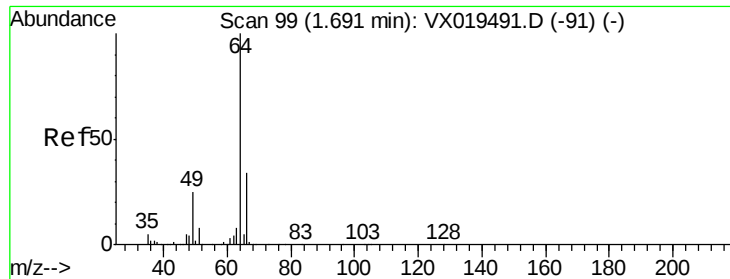
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 97

Delta R.T. -0.01 min

Lab File: VX019635.D

Acq: 25 Nov 2020 03:32

Instrument :

MSVOA_X

ClientSampleId :

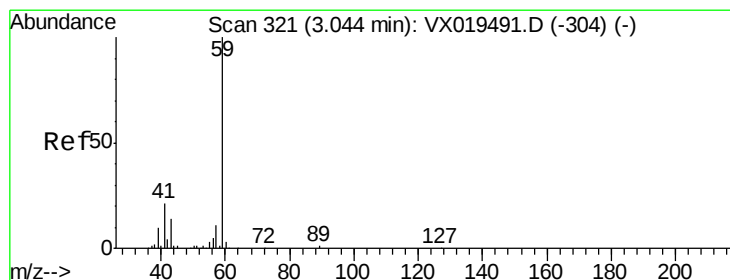
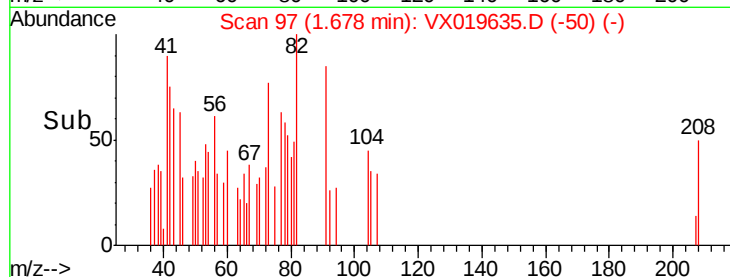
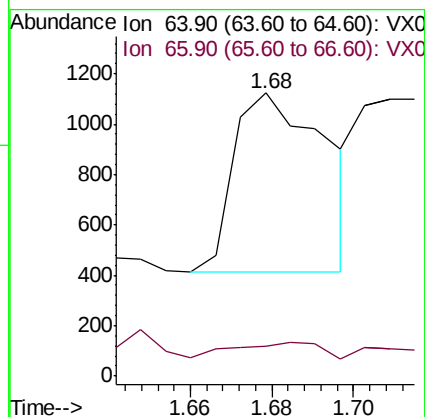
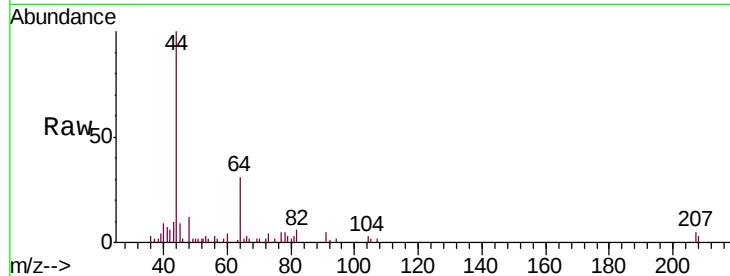
GR-OF-20201119

Tgt Ion: 64 Resp: 1108

Ion Ratio Lower Upper

64 100

66 6.9 27.1 40.7#



#11

Tert butyl alcohol

Concen: 0.829 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.06 min

Lab File: VX019635.D

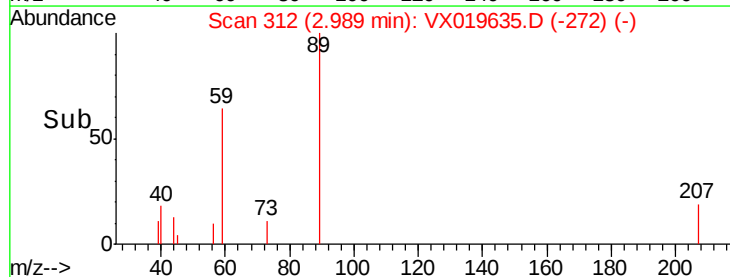
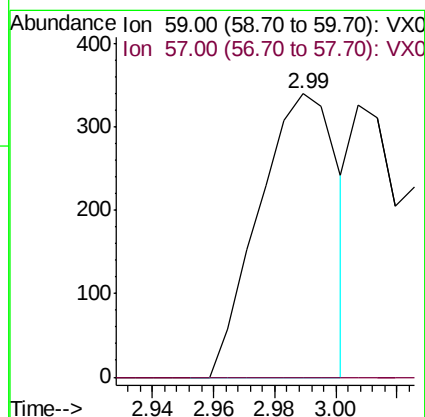
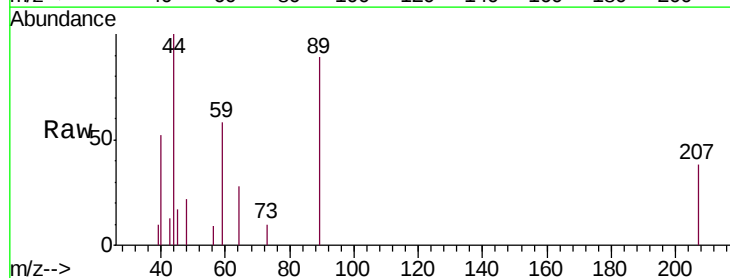
Acq: 25 Nov 2020 03:32

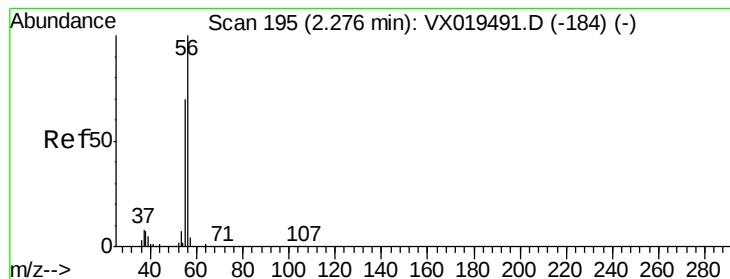
Tgt Ion: 59 Resp: 604

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#13

Acrolein

Concen: 0.239 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019635.D

Acq: 25 Nov 2020 03:32

Instrument :

MSVOA_X

ClientSampleId :

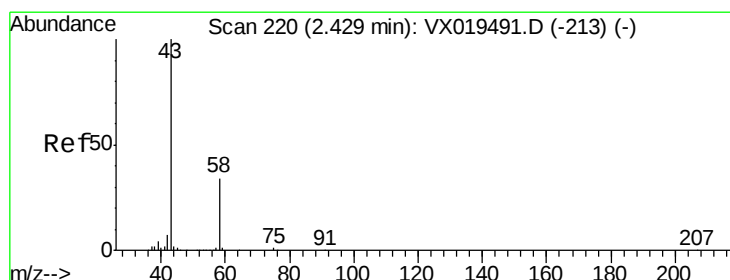
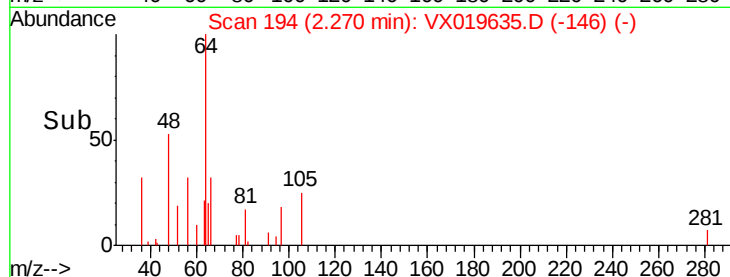
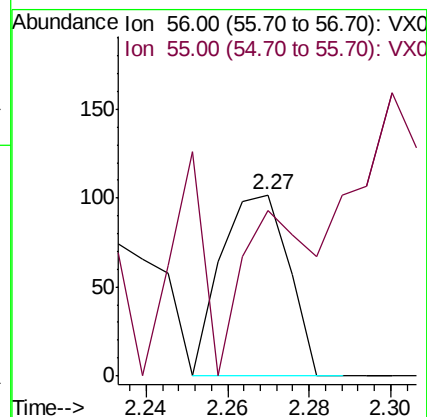
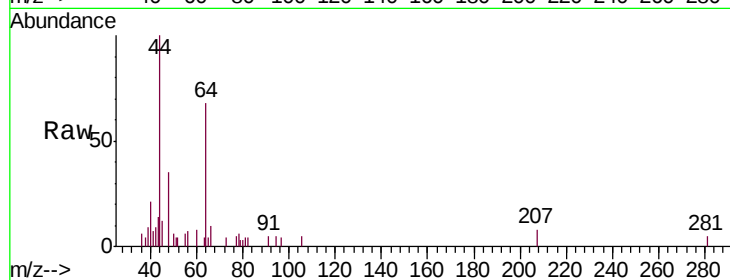
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Tgt Ion: 56 Resp: 117

Ion Ratio Lower Upper

56 100

55 95.7 55.5 83.3#



#16

Acetone

Concen: 2.019 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019635.D

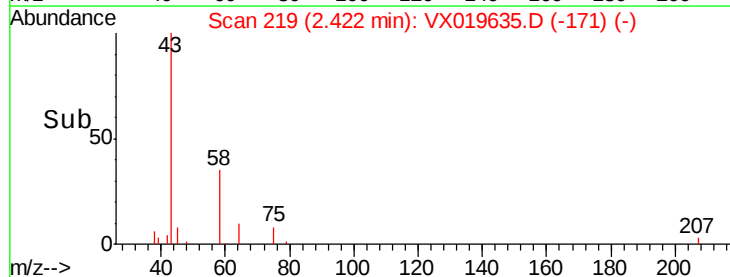
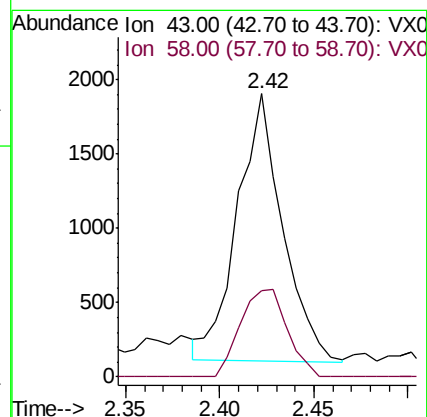
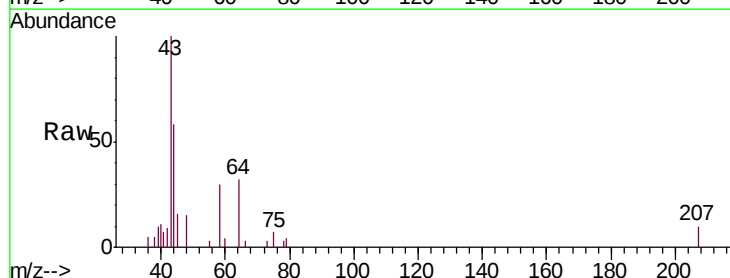
Acq: 25 Nov 2020 03:32

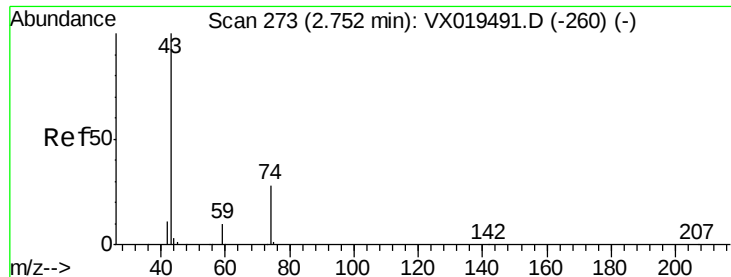
Tgt Ion: 43 Resp: 3007

Ion Ratio Lower Upper

43 100

58 32.3 27.4 41.2

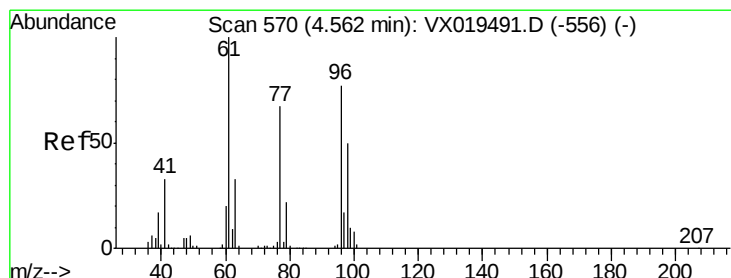
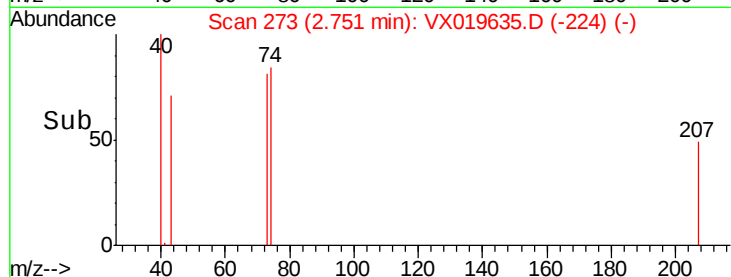
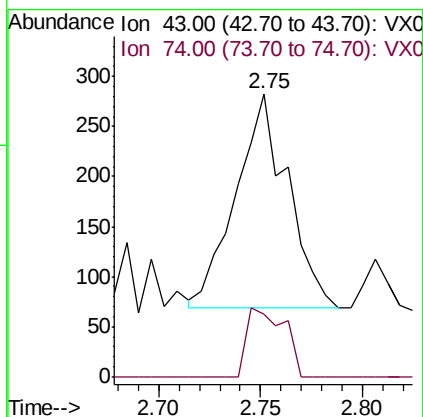
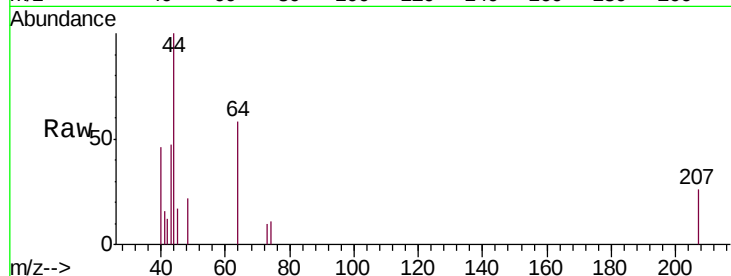




#18
Methyl Acetate
Concen: 0.736 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019635.D
Acq: 25 Nov 2020 03:32

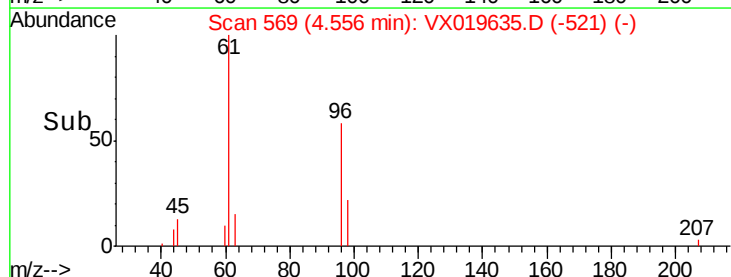
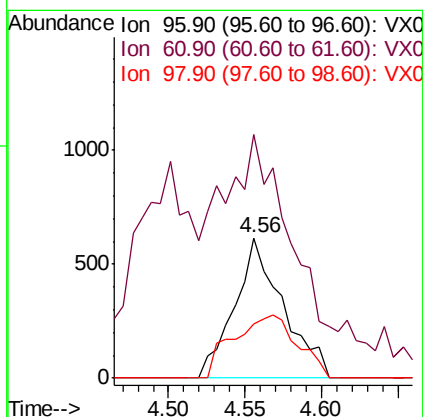
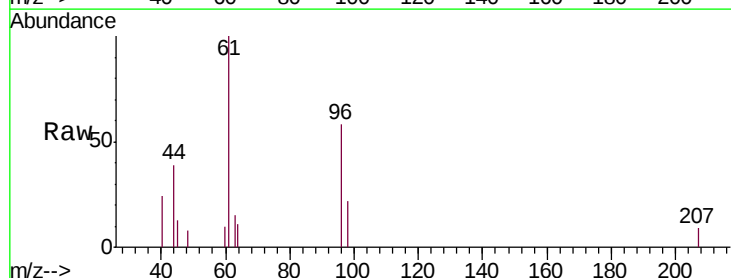
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119

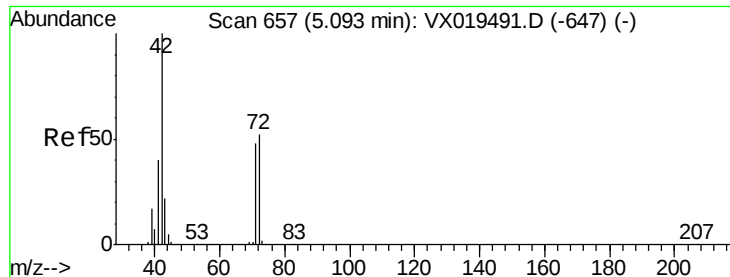
Tgt Ion: 43 Resp: 376
Ion Ratio Lower Upper
43 100
74 23.1 22.2 33.4



#27
cis-1,2-Dichloroethene
Concen: 0.353 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX019635.D
Acq: 25 Nov 2020 03:32

Tgt Ion: 96 Resp: 1355
Ion Ratio Lower Upper
96 100
61 241.4 0.0 279.2
98 59.7 0.0 129.8

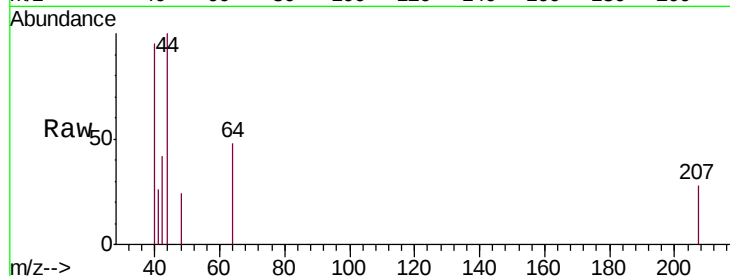




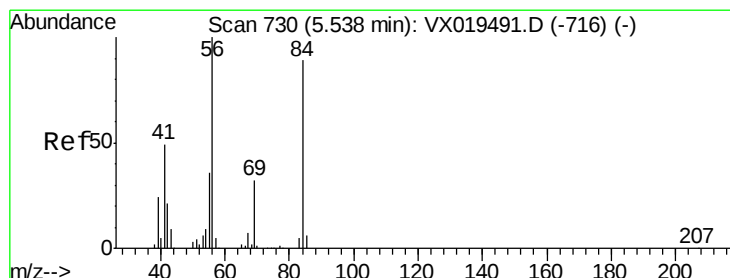
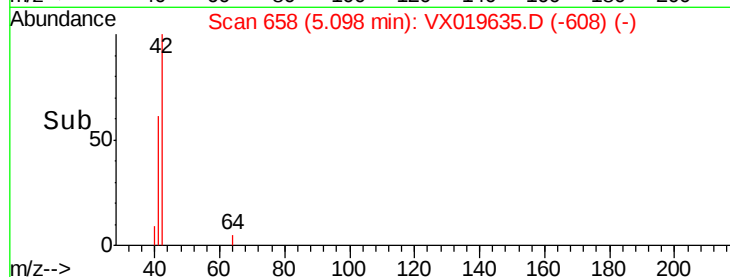
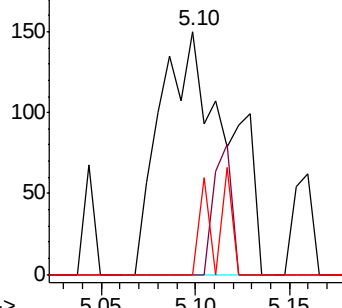
#29
Tetrahydrofuran
Concen: 0.261 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX019635.D
Acq: 25 Nov 2020 03:32

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119

Tgt Ion: 42 Resp: 373
Ion Ratio Lower Upper
42 100
72 14.2 42.6 63.8#
71 12.3 39.0 58.6#

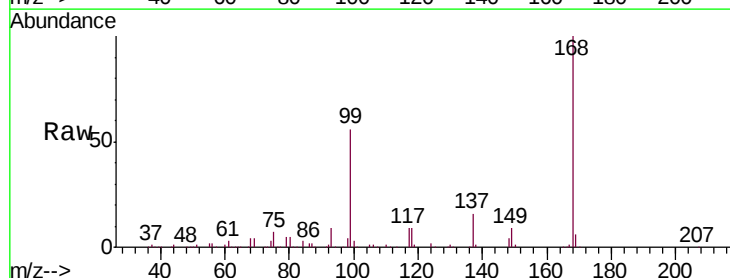


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

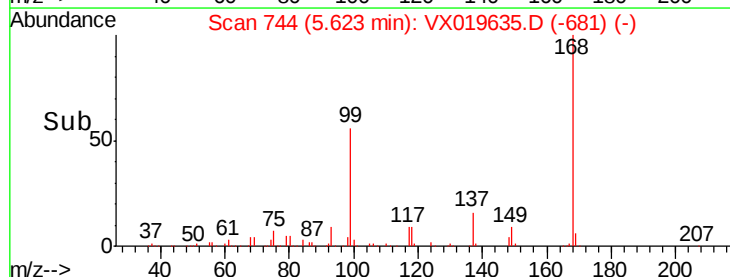
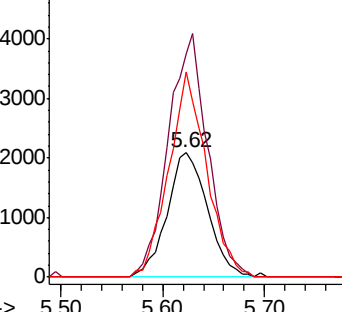


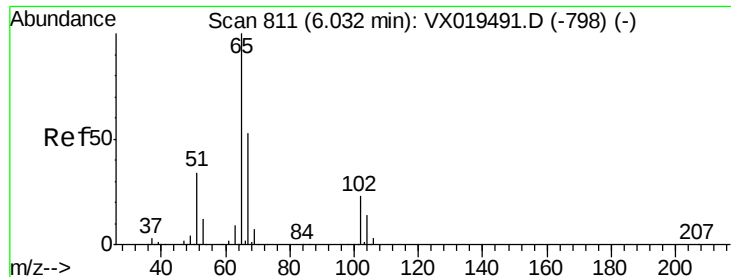
#31
Cyclohexane
Concen: 1.150 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.09 min
Lab File: VX019635.D
Acq: 25 Nov 2020 03:32

Tgt Ion: 56 Resp: 5757
Ion Ratio Lower Upper
56 100
69 179.7 25.5 38.3#
84 165.0 71.1 106.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.712 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019635.D

Acq: 25 Nov 2020 03:32

Instrument :

MSVOA_X

ClientSampleId :

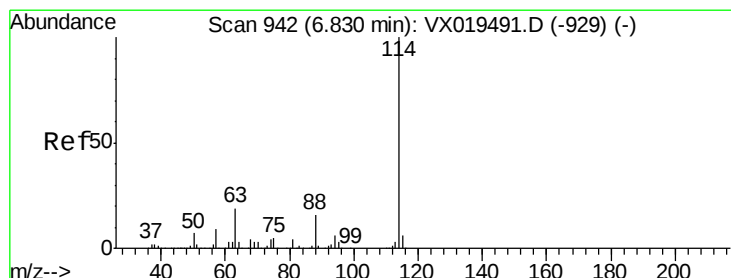
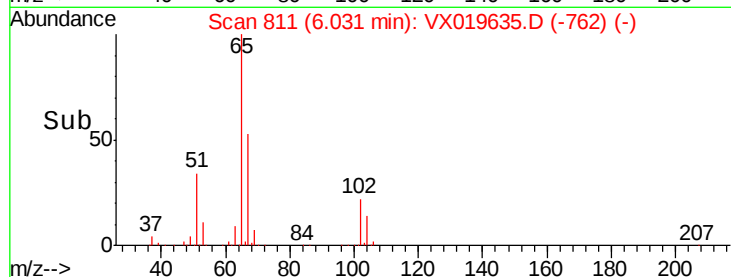
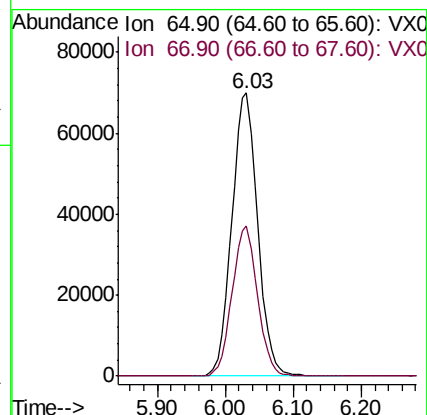
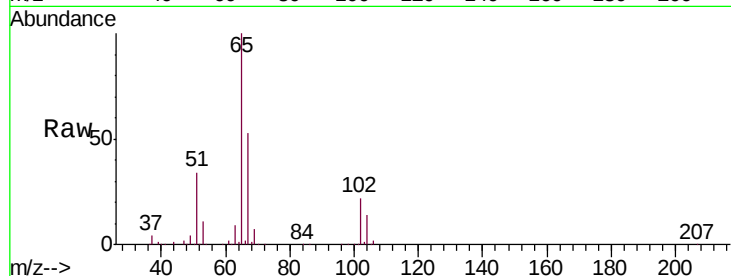
GR-OF-20201119

Tgt Ion: 65 Resp: 183707

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019635.D

Acq: 25 Nov 2020 03:32

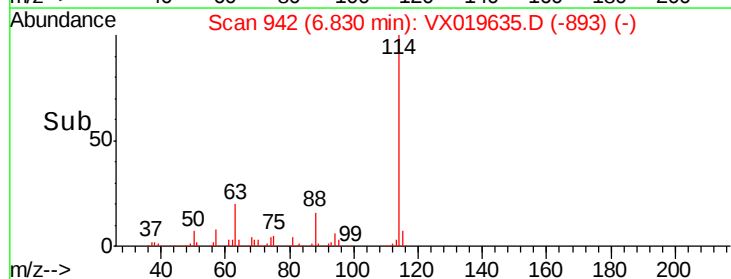
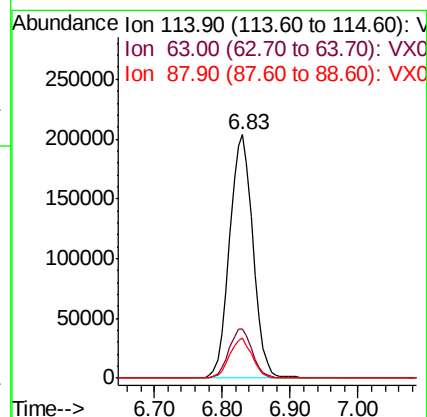
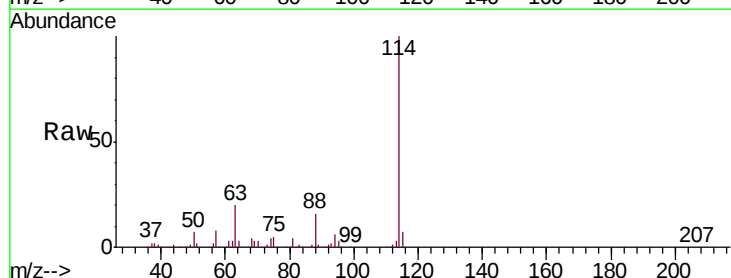
Tgt Ion: 114 Resp: 483878

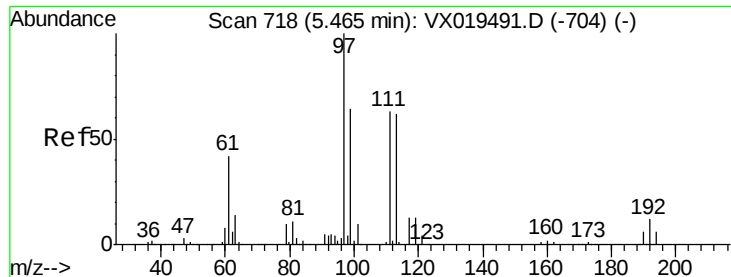
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

88 16.4 0.0 31.6

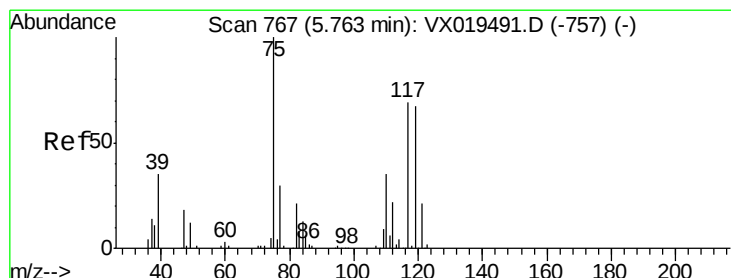
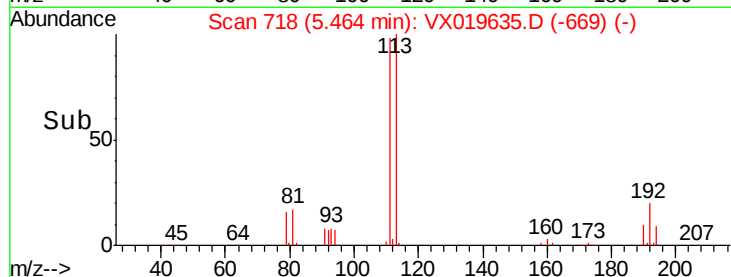
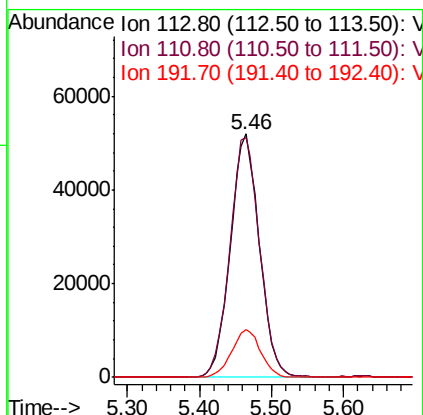
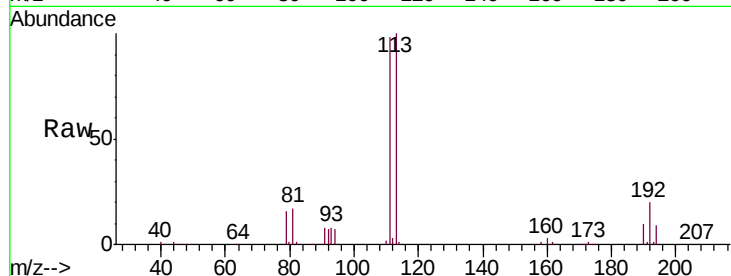




#35
 Dibromofluoromethane
 Concen: 47.943 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019635.D
 Acq: 25 Nov 2020 03:32

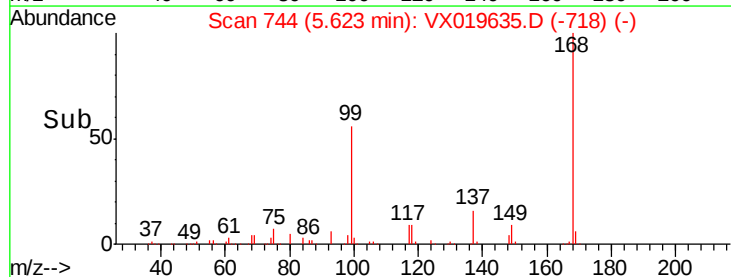
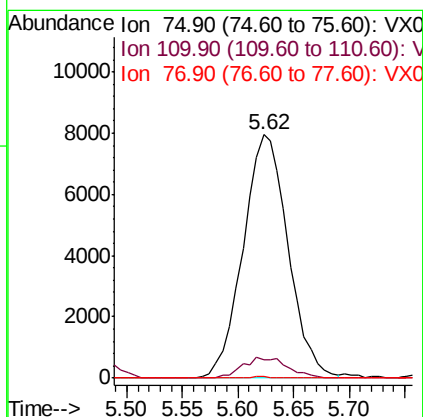
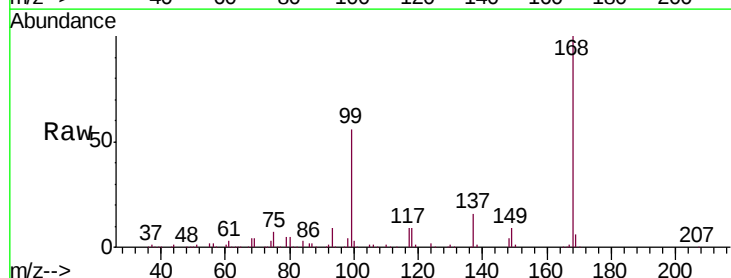
Instrument :
 MSVOA_X
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 GR-OF-20201119

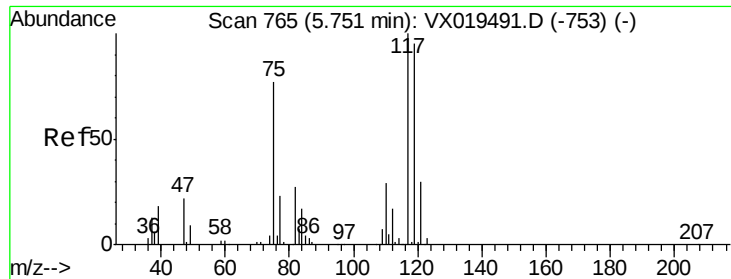
Tgt Ion: 113 Resp: 145618
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.5 122.3
 192 19.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.916 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019635.D
 Acq: 25 Nov 2020 03:32

Tgt Ion: 75 Resp: 22303
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.3#
 77 0.2 24.2 36.4#

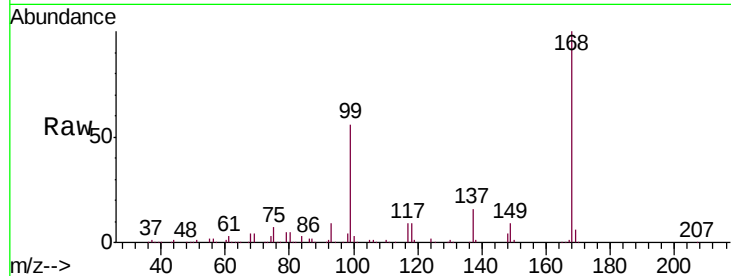




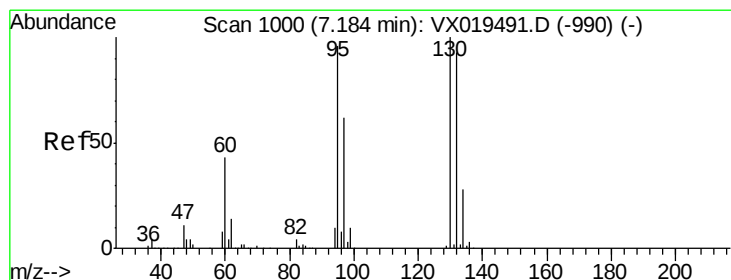
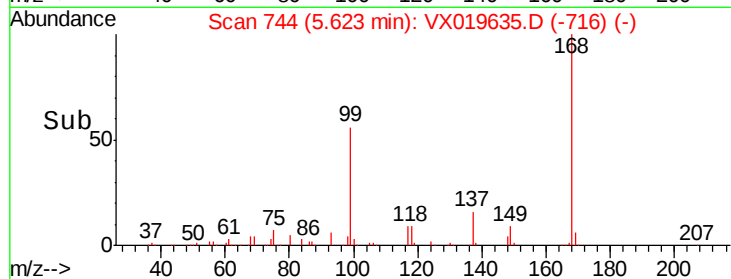
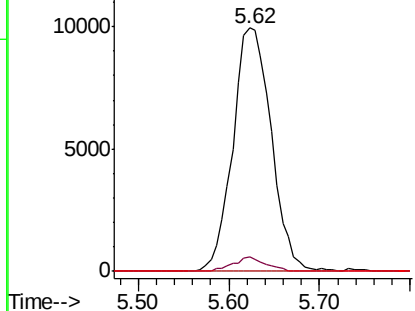
#38
Carbon Tetrachloride
Concen: 6.653 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX019635.D
Acq: 25 Nov 2020 03:32

Instrument :
MSVOA_X
ClientSampled :
GR-OF-20201119

Tgt Ion:117 Resp: 29213
Ion Ratio Lower Upper
117 100
119 5.8 75.9 113.9#
121 0.0 24.0 36.0#

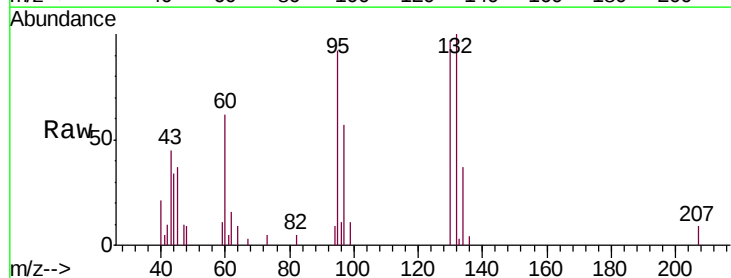


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

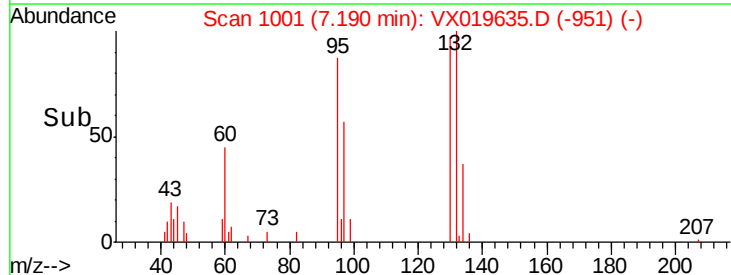
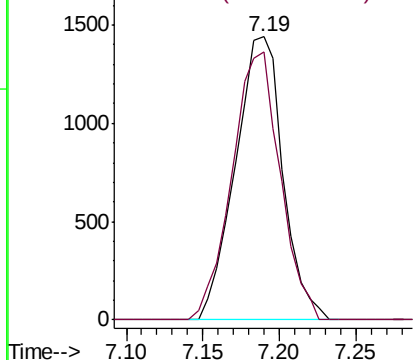


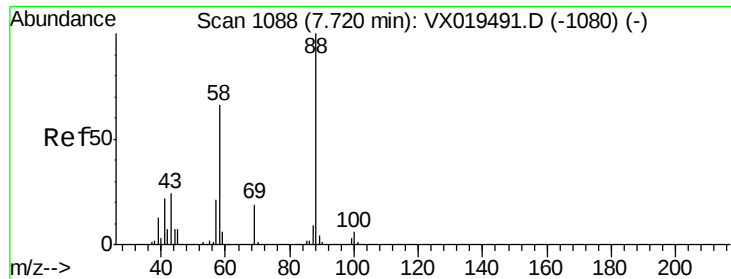
#44
Trichloroethene
Concen: 0.853 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VX019635.D
Acq: 25 Nov 2020 03:32

Tgt Ion:130 Resp: 3116
Ion Ratio Lower Upper
130 100
95 94.7 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

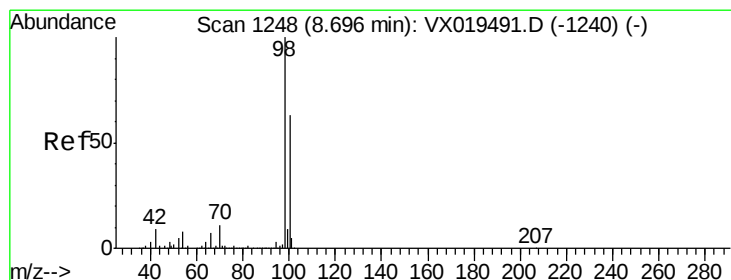
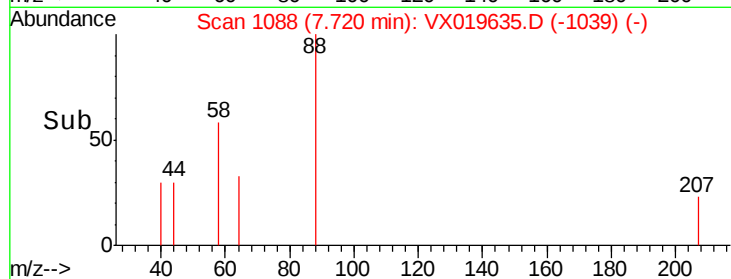
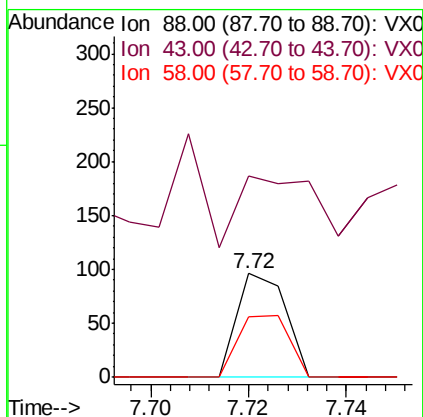
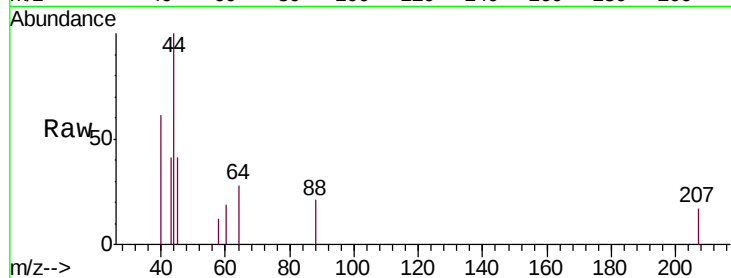




#49
1,4-Dioxane
Concen: 0.867 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX019635.D
Acq: 25 Nov 2020 03:32

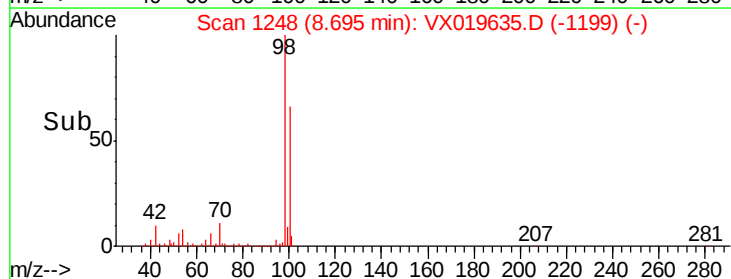
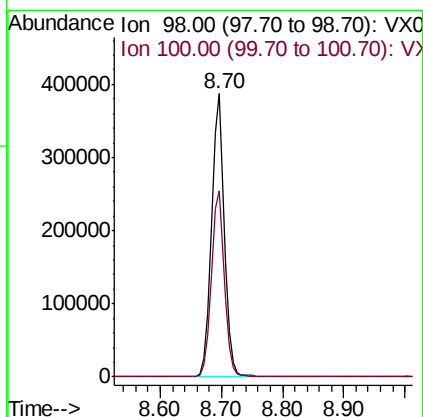
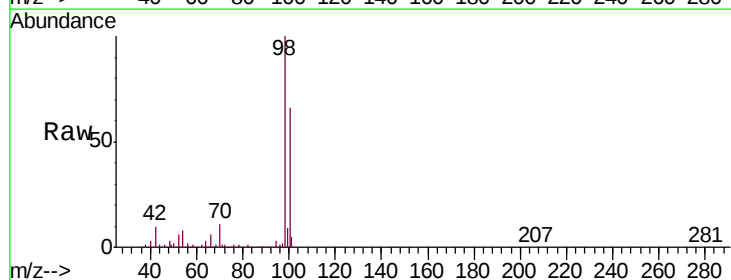
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119

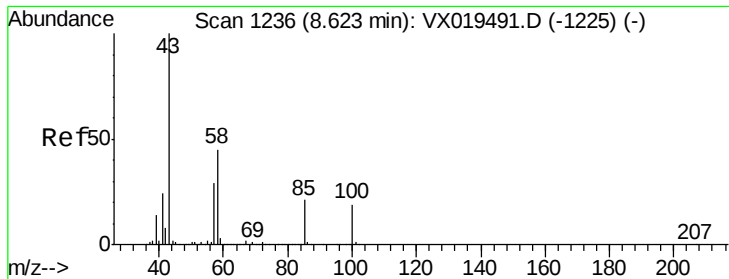
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 59.1 23.8 35.6#
58 62.1 54.2 81.2



#50
Toluene-d8
Concen: 49.645 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019635.D
Acq: 25 Nov 2020 03:32

Tgt Ion: 98 Resp: 585938
Ion Ratio Lower Upper
98 100
100 67.0 52.4 78.6

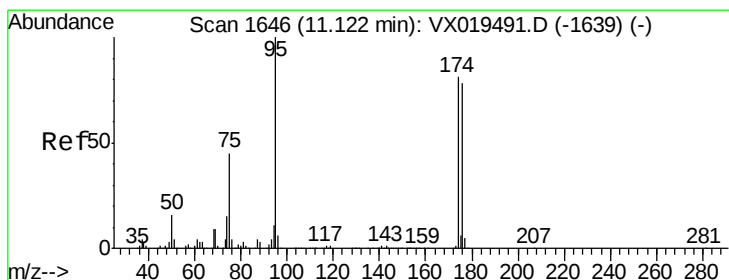
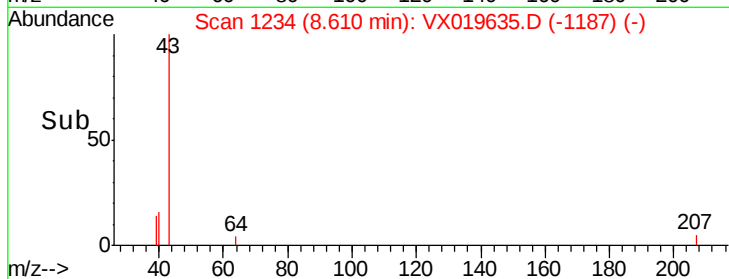
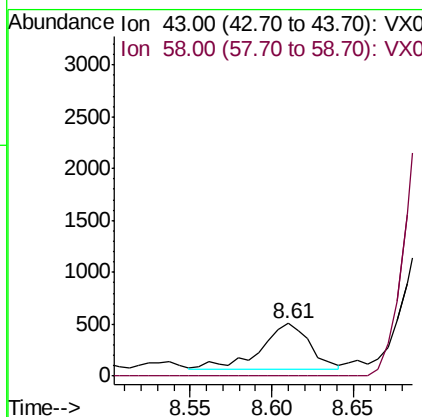
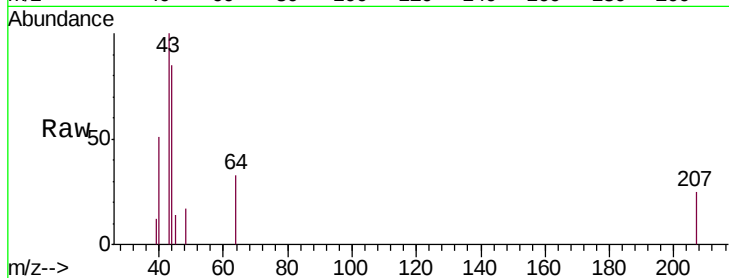




#51
 4-Methyl-2-Pentanone
 Concen: 0.226 ug/l
 RT: 8.61 min Scan# 1234
 Delta R.T. -0.01 min
 Lab File: VX019635.D
 Acq: 25 Nov 2020 03:32

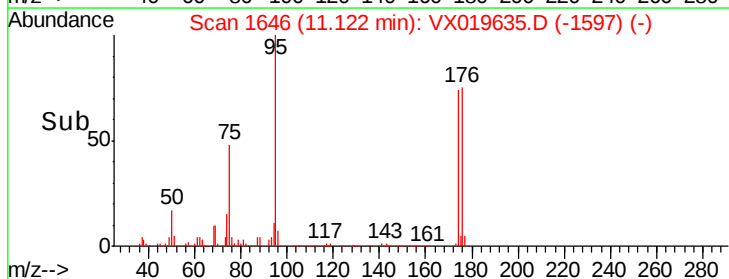
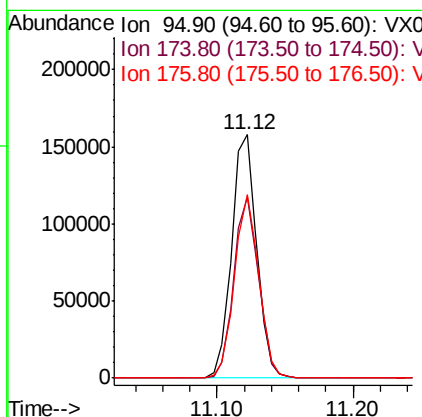
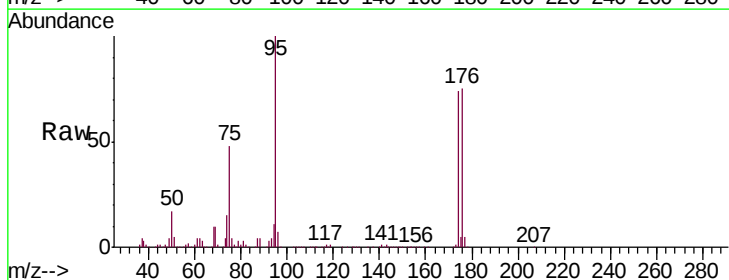
Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20201119

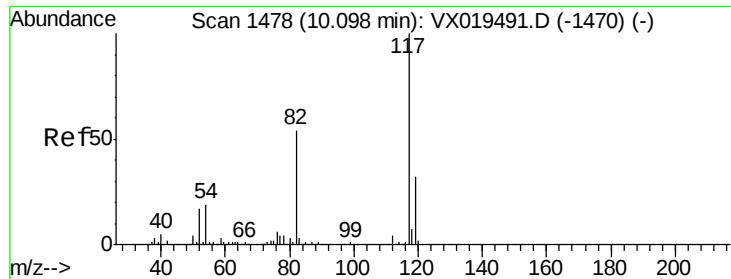
Tgt Ion: 43 Resp: 943
 Ion Ratio Lower Upper
 43 100
 58 0.0 35.1 52.7#



#62
 4-Bromofluorobenzene
 Concen: 47.573 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX019635.D
 Acq: 25 Nov 2020 03:32

Tgt Ion: 95 Resp: 202015
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 156.2
 176 73.5 0.0 151.4

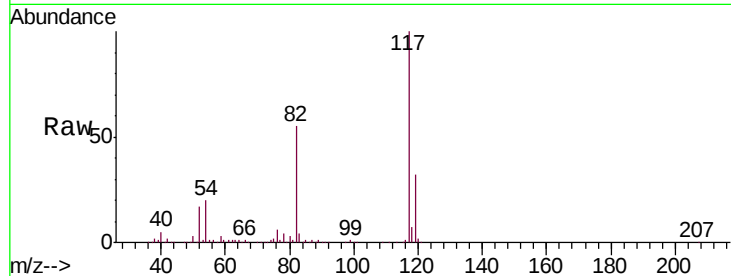




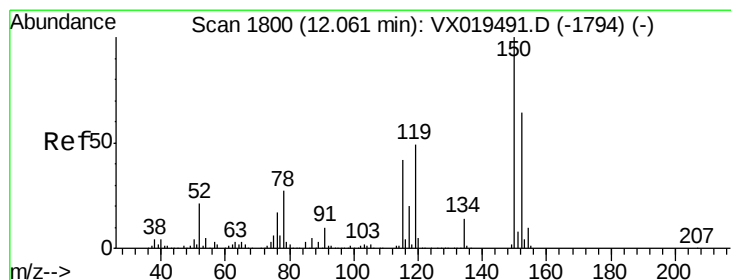
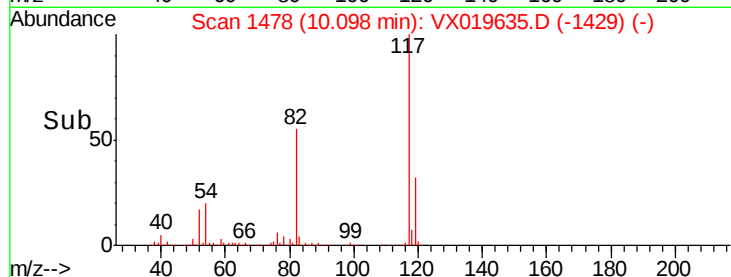
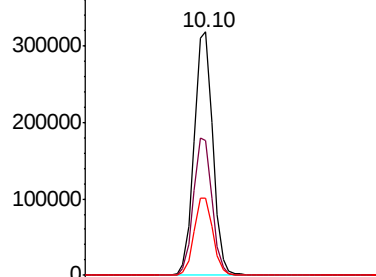
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019635.D
Acq: 25 Nov 2020 03:32

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119

Tgt Ion:117 Resp: 437603
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 31.8 25.6 38.4

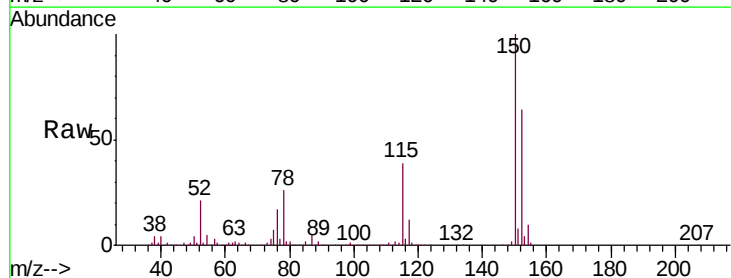


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

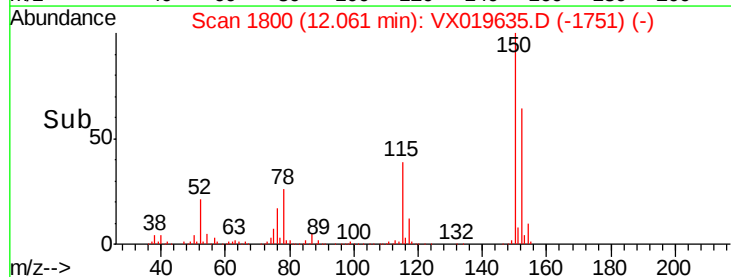
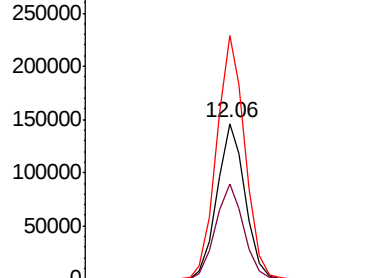


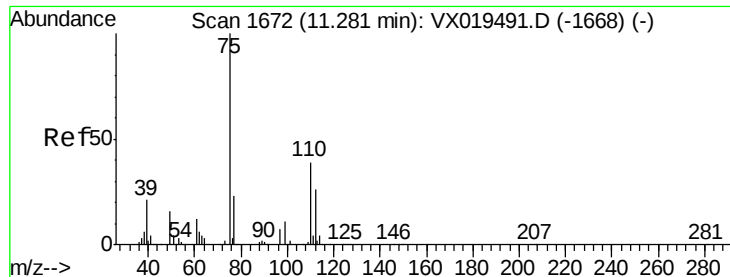
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019635.D
Acq: 25 Nov 2020 03:32

Tgt Ion:152 Resp: 174930
Ion Ratio Lower Upper
152 100
115 61.1 41.8 125.4
150 157.9 0.0 348.2



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: 25.761 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019635.D

Acq: 25 Nov 2020 03:32

Instrument :

MSVOA_X

ClientSampleId :

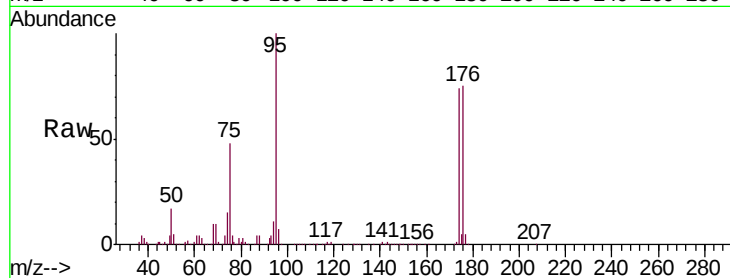
GR-OF-20201119

Tgt Ion: 75 Resp: 98344

Ion Ratio Lower Upper

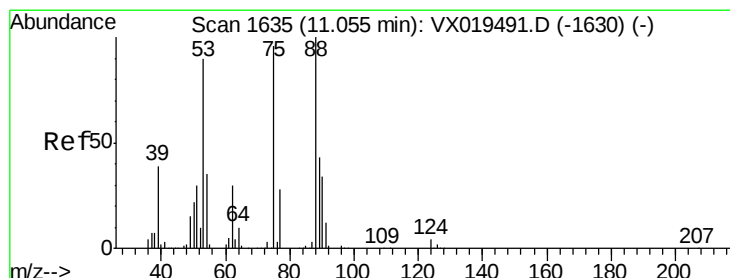
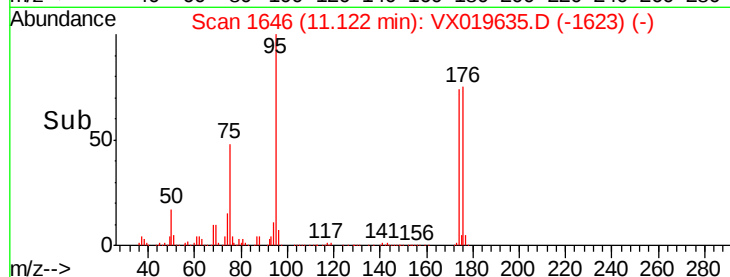
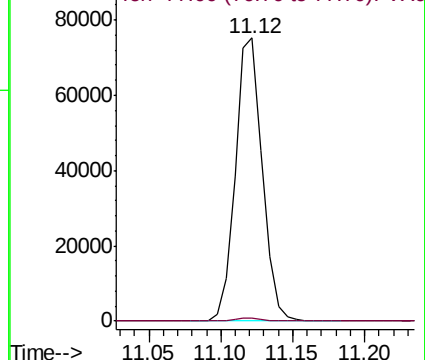
75 100

77 1.2 20.0 60.0#



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: 67.921 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019635.D

Acq: 25 Nov 2020 03:32

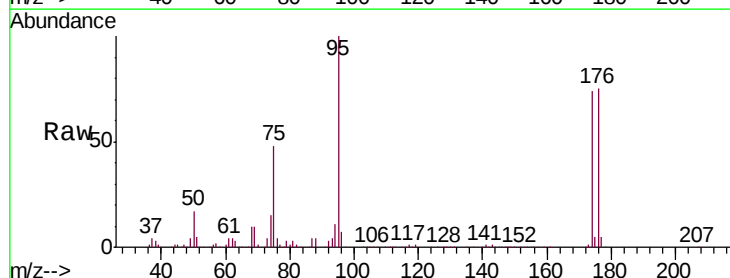
Tgt Ion: 75 Resp: 98344

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

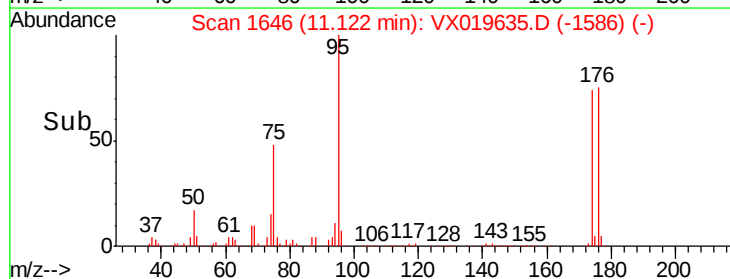
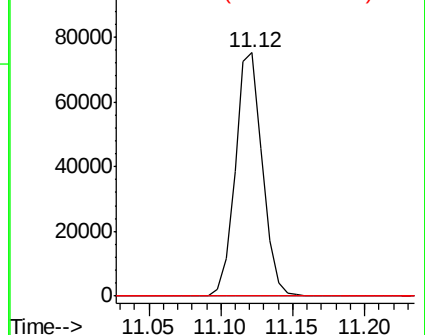
89 0.0 37.3 55.9#

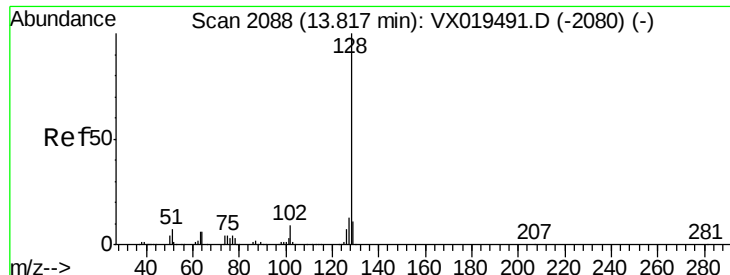


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 2.221 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019635.D

Acq: 25 Nov 2020 03:32

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119

Tgt Ion:128 Resp: 579

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#

