

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011421\
 Data File : VX020606.D
 Acq On : 14 Jan 2021 12:45
 Operator : JC/MD
 Sample : M1069-02
 Misc : 5.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FK-GF-02-065-AME

Quant Time: Jan 15 05:09:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 11 15:05:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

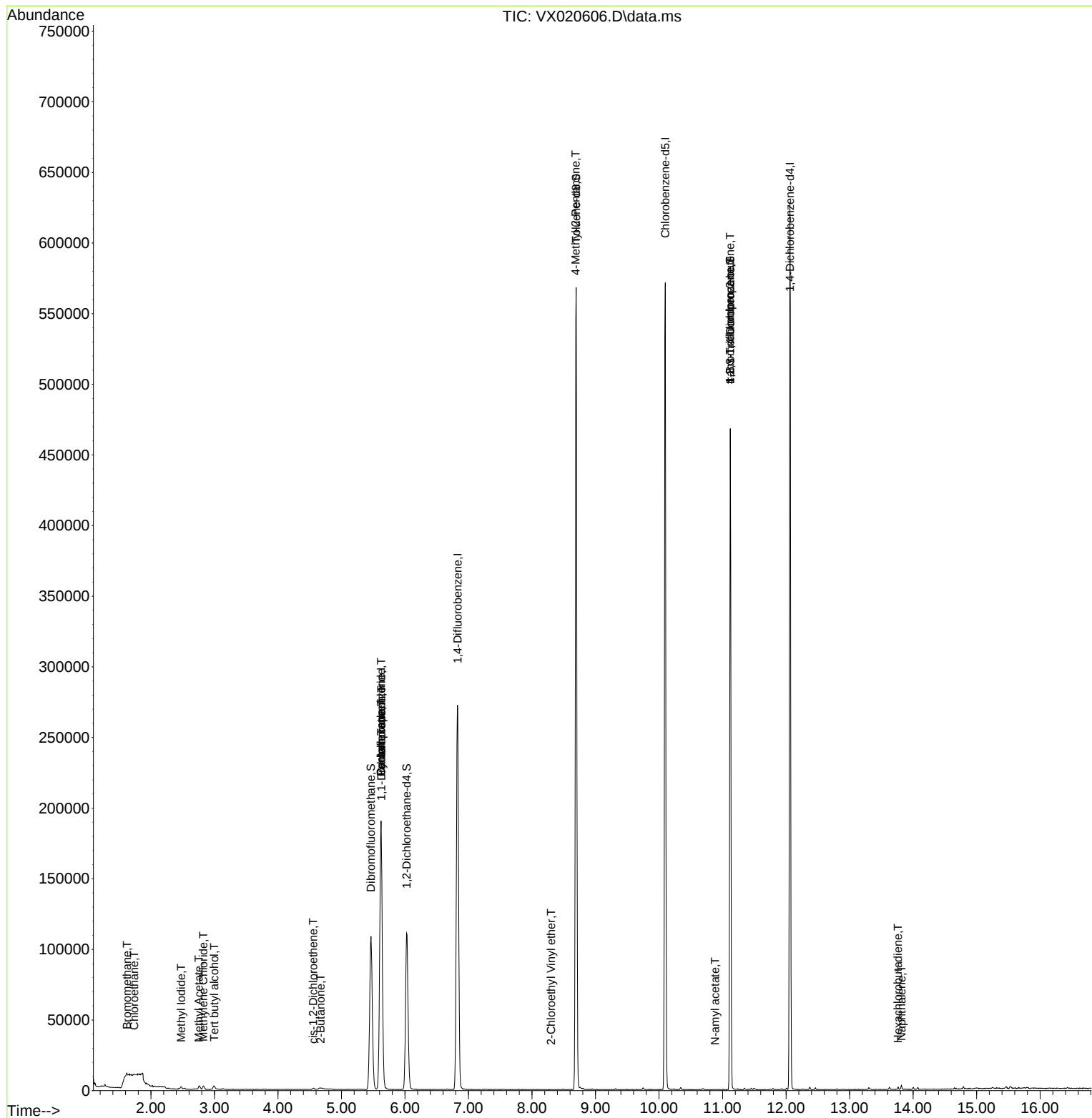
Internal Standards						
1) Pentafluorobenzene	5.623	168	185175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	296666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	287231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	134598	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	111626	50.19	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.38%
35) Dibromofluoromethane	5.464	113	96038	46.72	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.44%
50) Toluene-d8	8.695	98	354139	48.15	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.30%
62) 4-Bromofluorobenzene	11.122	95	131238	50.53	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.06%
Target Compounds						Qvalue
5) Bromomethane	1.624	94	632	0.48	ug/l	97
6) Chloroethane	1.733	64	218	0.58	ug/l #	43
10) Methyl Iodide	2.477	142	1672	0.67	ug/l	98
11) Tert butyl alcohol	2.995	59	1772	2.10	ug/l #	73
16) Acetone	2.447	43	779	Below	Cal	96
18) Methyl Acetate	2.751	43	3195	1.62	ug/l	98
20) Methylene Chloride	2.825	84	1222	0.58	ug/l	94
25) 2-Butanone	4.672	43	3006	2.50	ug/l	89
27) cis-1,2-Dichloroethene	4.556	96	560	0.25	ug/l	62
31) Cyclohexane	5.623	56	3462	1.32	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	13253	4.89	ug/l #	49
38) Carbon Tetrachloride	5.623	117	17631	5.57	ug/l #	17
51) 4-Methyl-2-Pentanone	8.689	43	1286	0.54	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.299	63	20	4.58	ug/l #	45
74) N-amyl acetate	10.884	43	44	1.25	ug/l #	38
76) 1,2,3-Trichloropropane	11.122	75	60235	21.24	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	60235	57.88	ug/l #	12
94) Hexachlorobutadiene	13.762	225	337	1.09	ug/l	98
95) Naphthalene	13.816	128	2075	4.04	ug/l	97

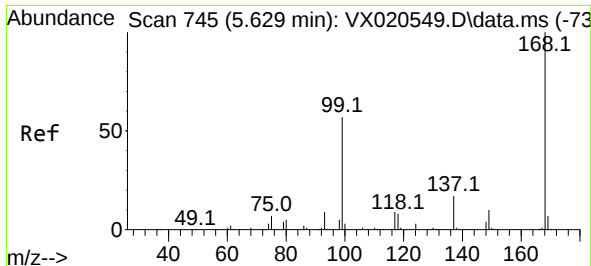
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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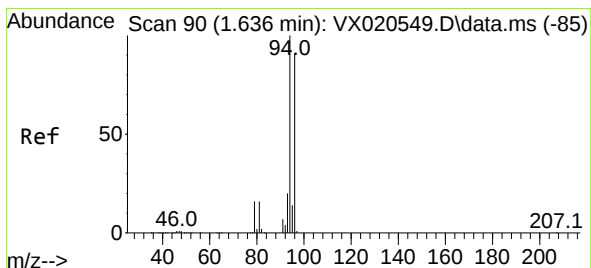
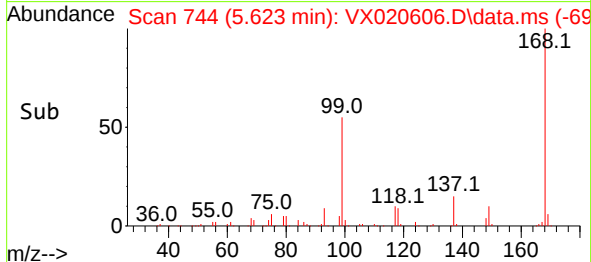
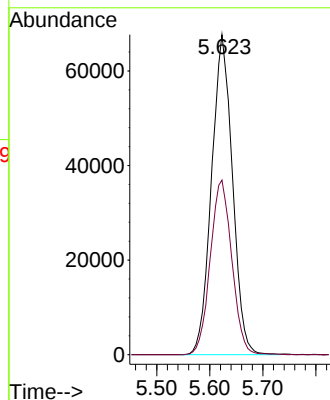
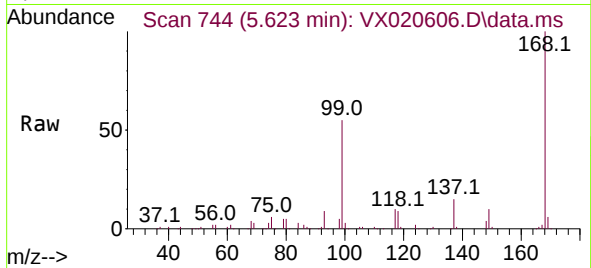




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.006 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

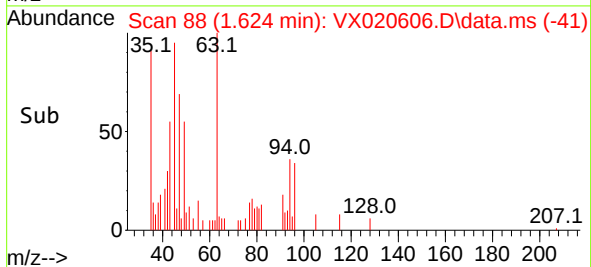
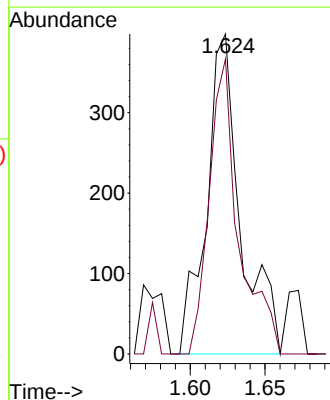
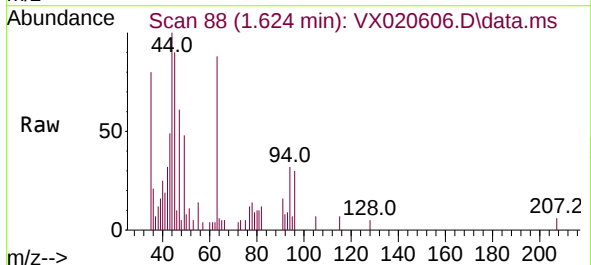
Instrument :
MSVOA_X
ClientSampleId :
FK-GF-02-065-AME

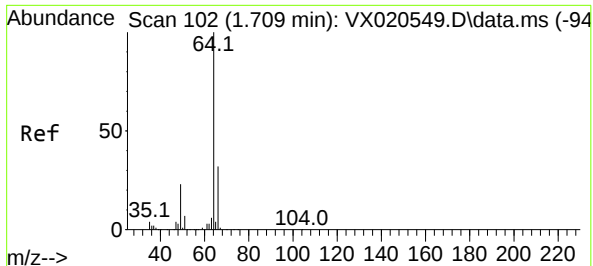
Tgt Ion:168 Resp: 185175
Ion Ratio Lower Upper
168 100
99 54.6 45.8 68.6



#5
Bromomethane
Concen: 0.48 ug/l
RT: 1.624 min Scan# 88
Delta R.T. -0.012 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Tgt Ion: 94 Resp: 632
Ion Ratio Lower Upper
94 100
96 92.2 76.4 114.6

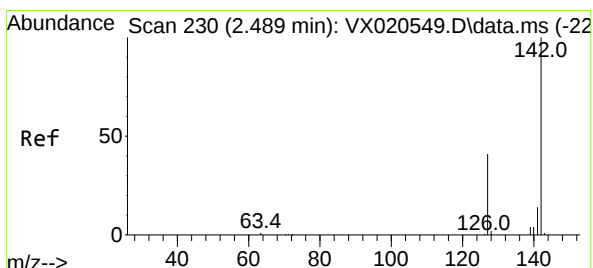
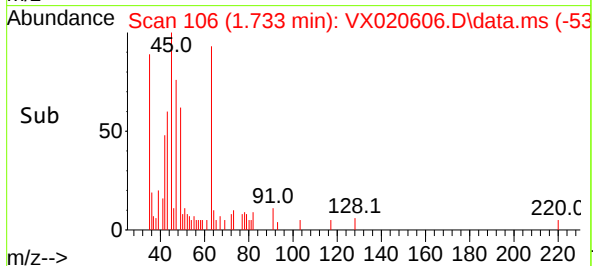
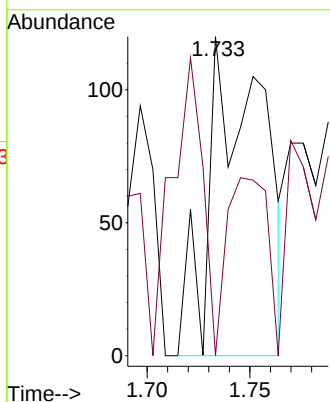
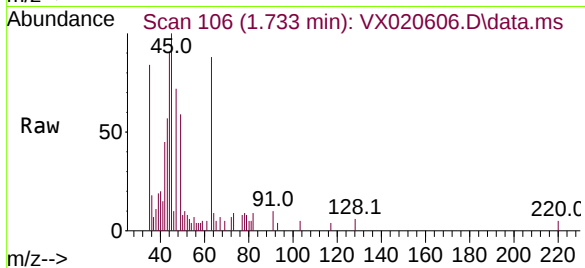




#6
Chloroethane
Concen: 0.58 ug/l
RT: 1.733 min Scan# 106
Delta R.T. 0.024 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

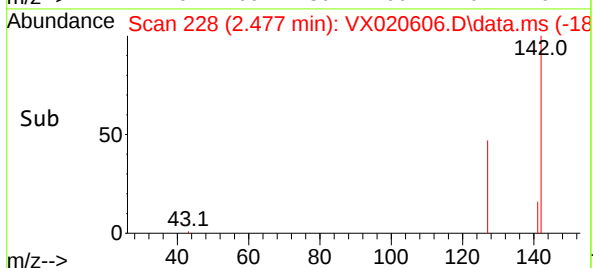
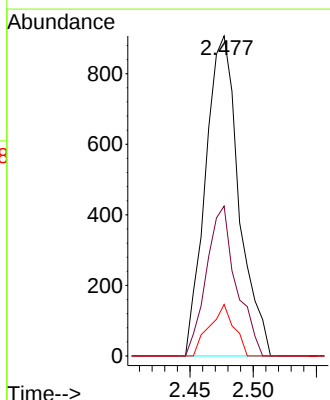
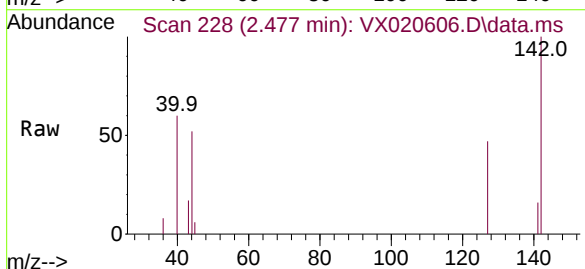
Instrument :
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ClientSampleId :
FK-GF-02-065-AME

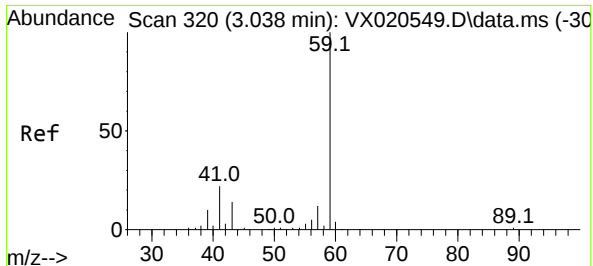
Tgt Ion: 64 Resp: 218
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.67 ug/l
RT: 2.477 min Scan# 228
Delta R.T. -0.012 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Tgt Ion: 142 Resp: 1672
Ion Ratio Lower Upper
142 100
127 41.6 33.3 49.9
141 11.8 11.4 17.0



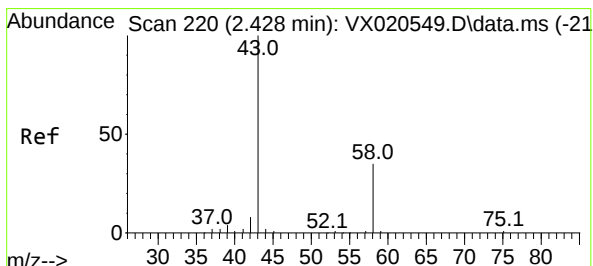
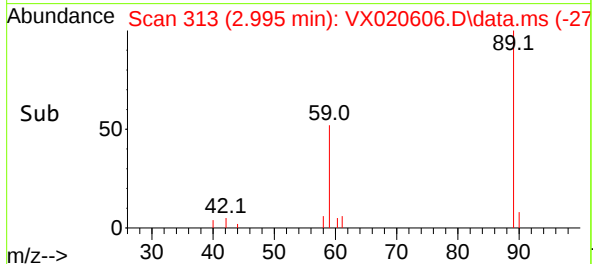
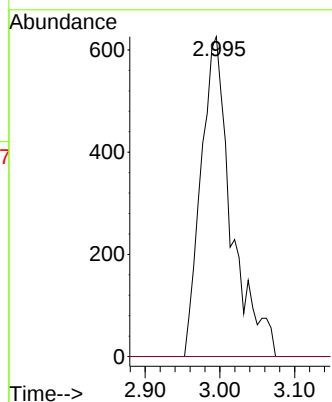
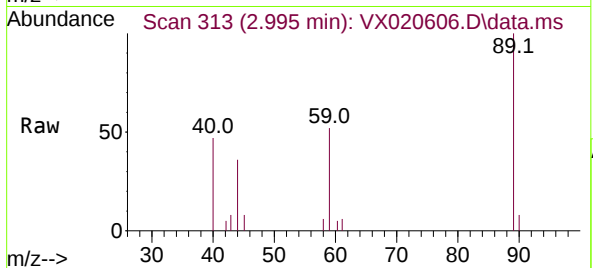


#11

Tert butyl alcohol
Concen: 2.10 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.043 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Instrument :
MSVOA_X
ClientSampleId :
FK-GF-02-065-AME

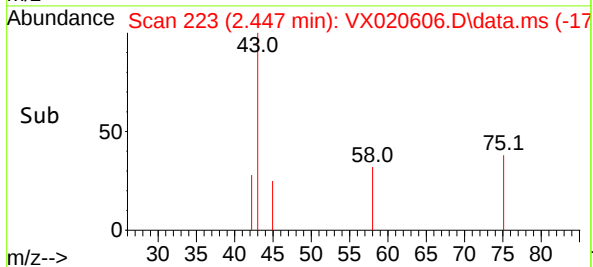
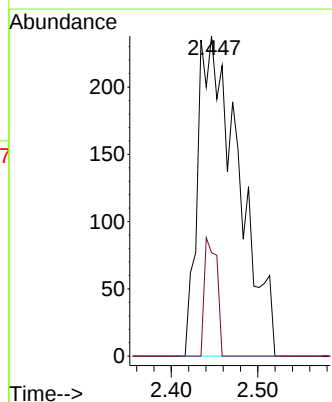
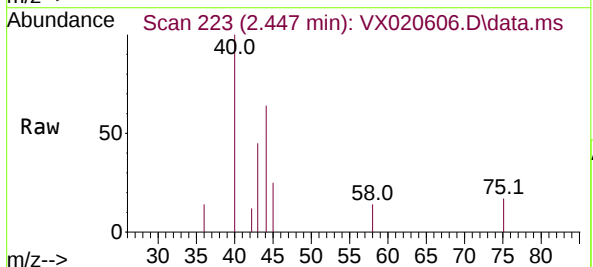
Tgt Ion: 59 Resp: 1772
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

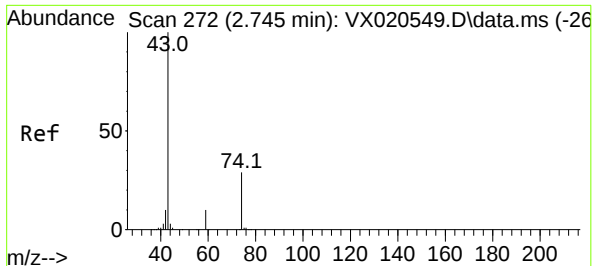


#16

Acetone
Concen: Below Cal
RT: 2.447 min Scan# 223
Delta R.T. 0.019 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Tgt Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
58 32.4 27.8 41.8

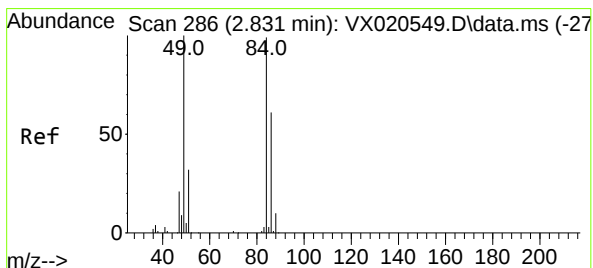
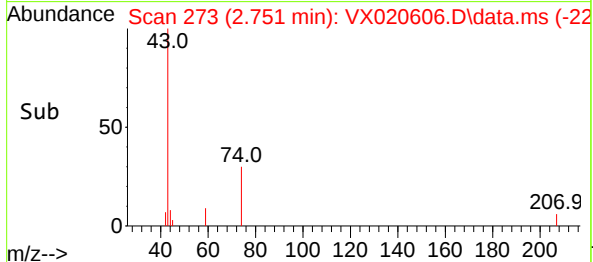
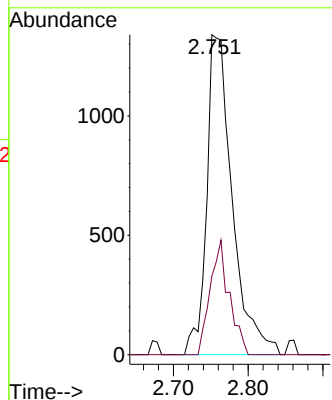
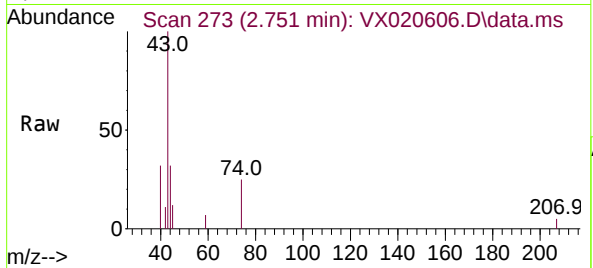




#18
Methyl Acetate
Concen: 1.62 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

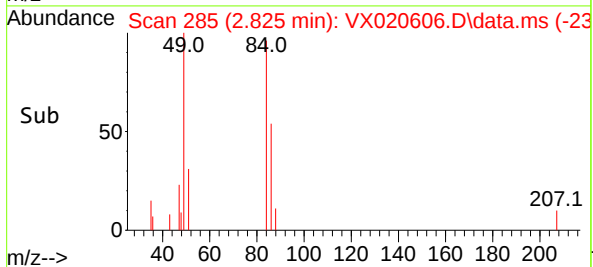
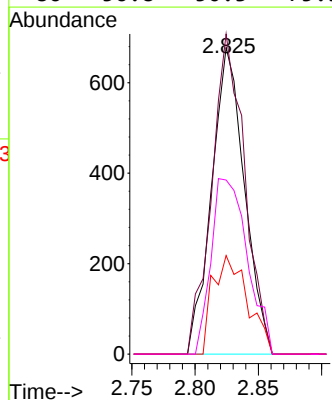
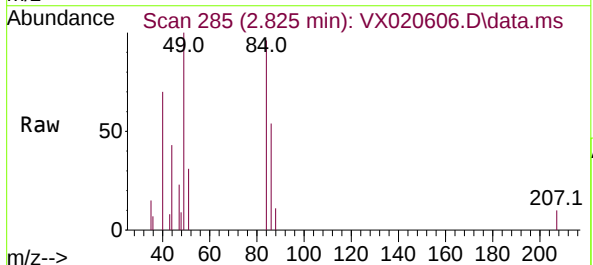
Instrument :
MSVOA_X
ClientSampleId :
FK-GF-02-065-AME

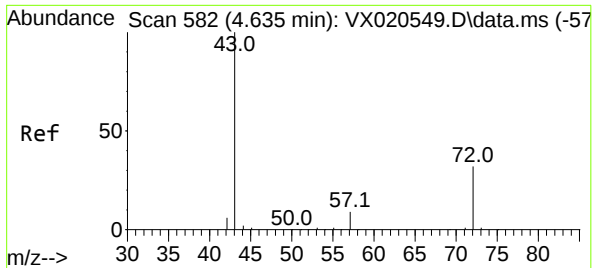
Tgt Ion: 43 Resp: 3195
Ion Ratio Lower Upper
43 100
74 26.5 21.9 32.9



#20
Methylene Chloride
Concen: 0.58 ug/l
RT: 2.825 min Scan# 285
Delta R.T. -0.006 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Tgt Ion: 84 Resp: 1222
Ion Ratio Lower Upper
84 100
49 104.4 88.6 132.8
51 32.2 27.0 40.6
86 56.8 50.3 75.5





#25

2-Butanone

Concen: 2.50 ug/l

RT: 4.672 min Scan# 588

Delta R.T. 0.037 min

Lab File: VX020606.D

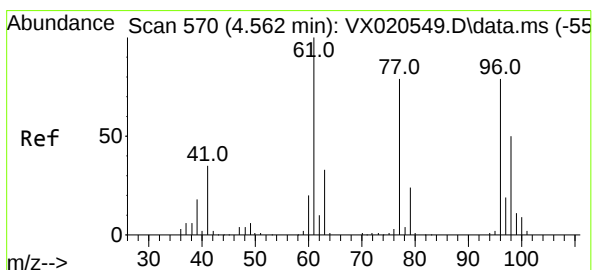
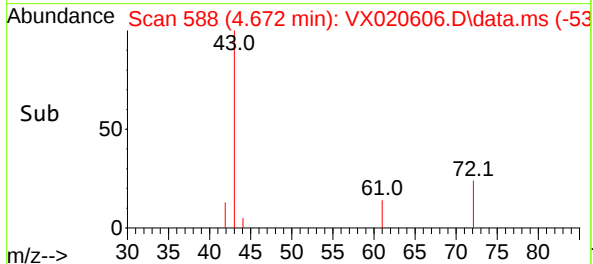
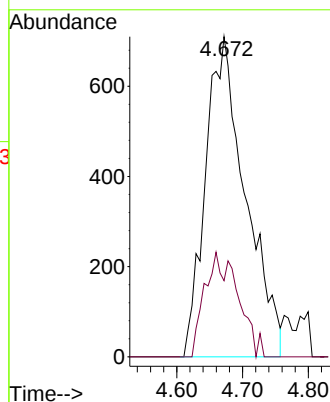
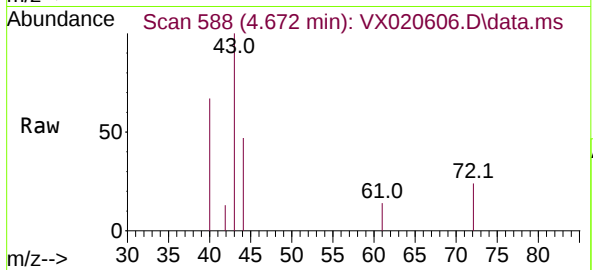
Acq: 14 Jan 2021 12:45

Tgt Ion: 43 Resp: 3006

Ion Ratio Lower Upper

43 100

72 23.8 23.7 35.5



#27

cis-1,2-Dichloroethene

Concen: 0.25 ug/l

RT: 4.556 min Scan# 569

Delta R.T. -0.006 min

Lab File: VX020606.D

Acq: 14 Jan 2021 12:45

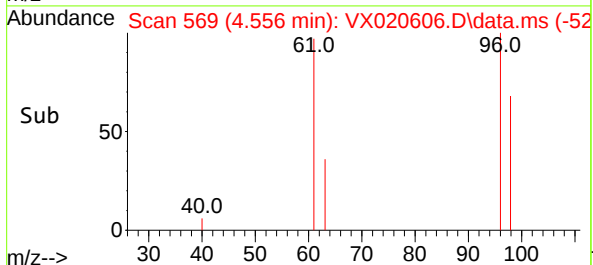
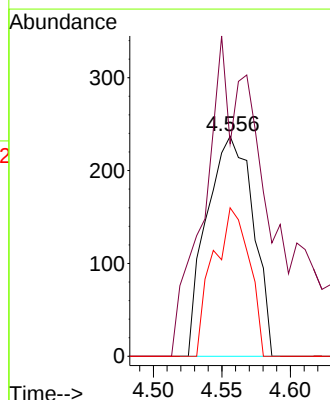
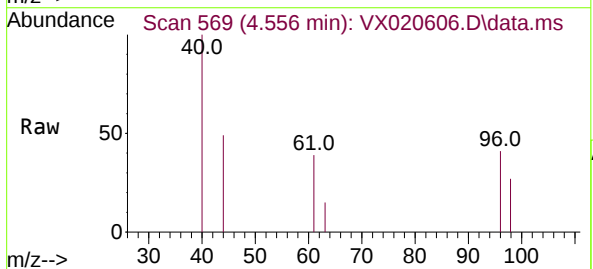
Tgt Ion: 96 Resp: 560

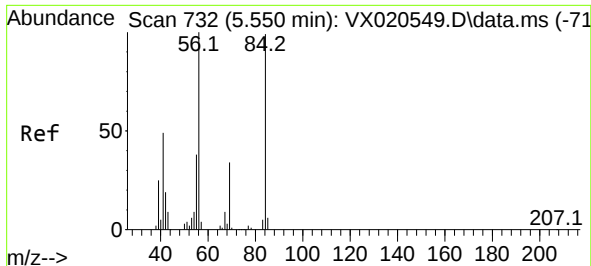
Ion Ratio Lower Upper

96 100

61 83.2 0.0 285.6

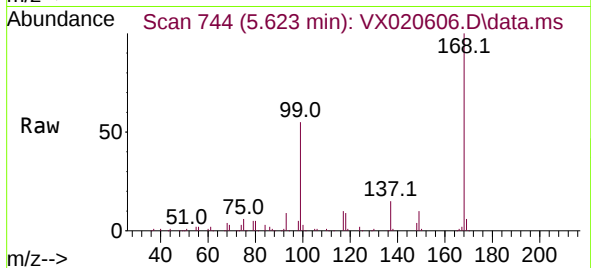
98 52.3 0.0 129.6



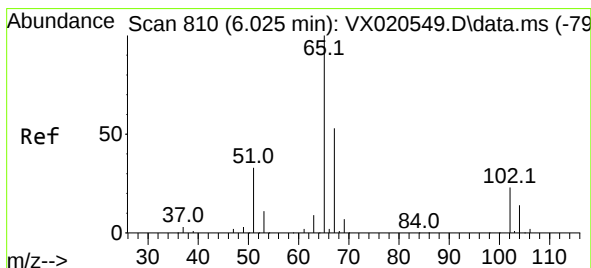
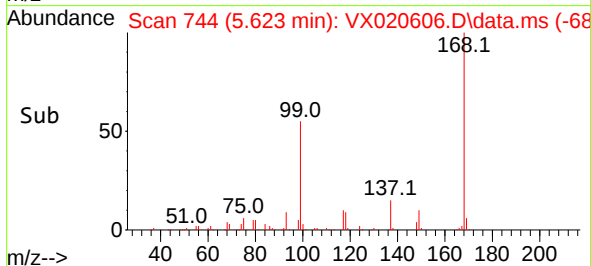
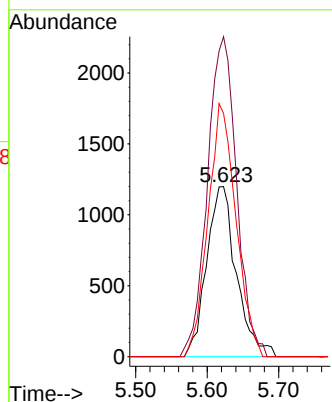


#31
Cyclohexane
Concen: 1.32 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.073 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Instrument :
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ClientSampleId :
FK-GF-02-065-AME

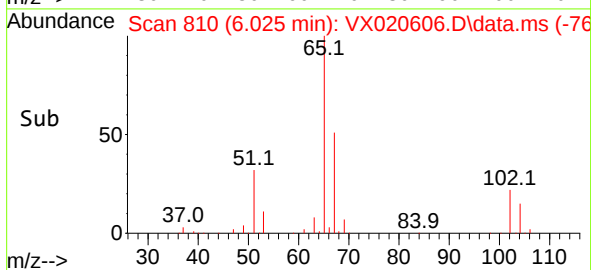
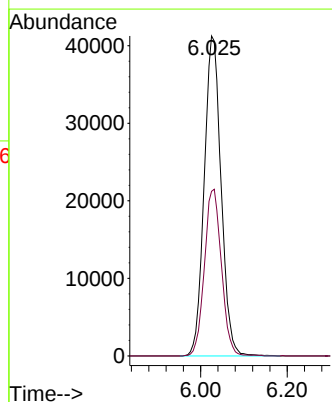
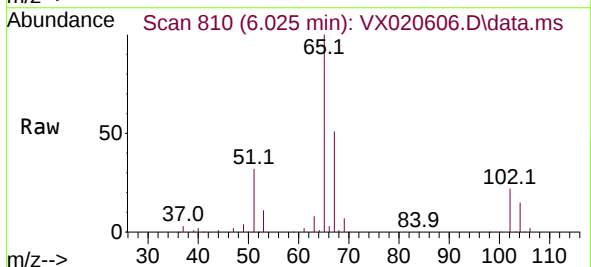


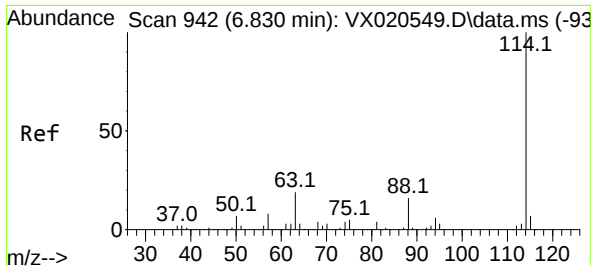
Tgt Ion: 56 Resp: 3462
Ion Ratio Lower Upper
56 100
69 188.2 25.3 37.9#
84 143.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.19 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Tgt Ion: 65 Resp: 111626
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.4

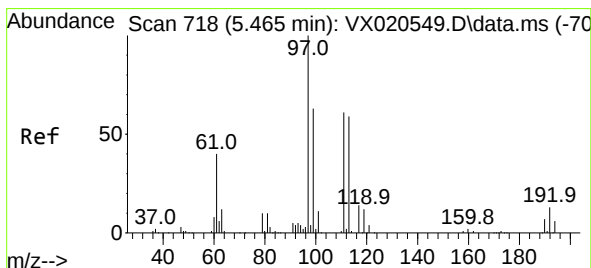
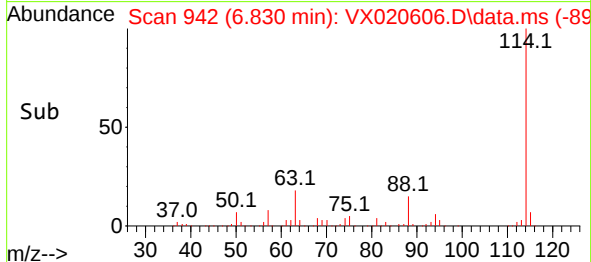
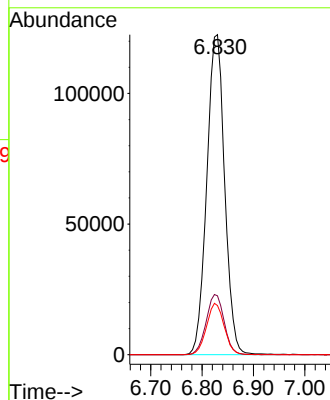
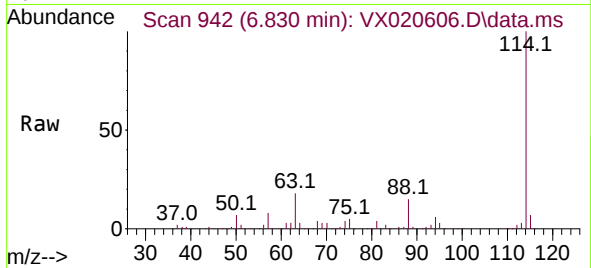




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

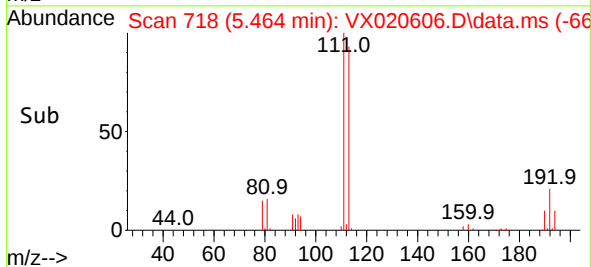
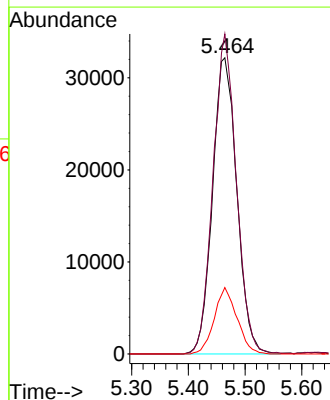
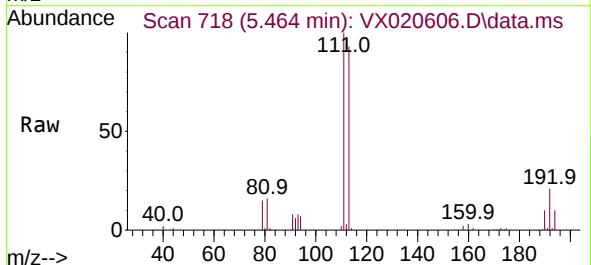
Instrument :
MSVOA_X
ClientSampleId :
FK-GF-02-065-AME

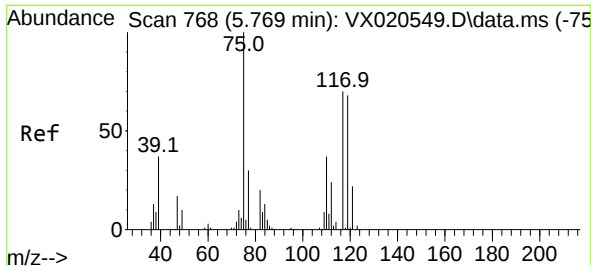
Tgt Ion:114 Resp: 296666
Ion Ratio Lower Upper
114 100
63 18.4 0.0 40.8
88 15.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 46.72 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.001 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Tgt Ion:113 Resp: 96038
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 20.9 16.7 25.1

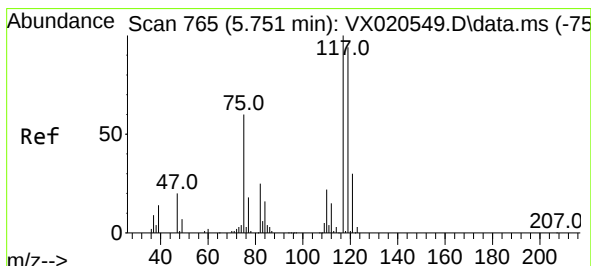
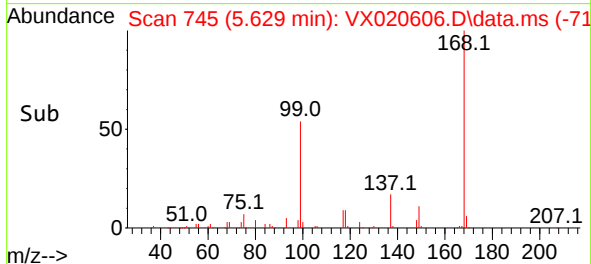
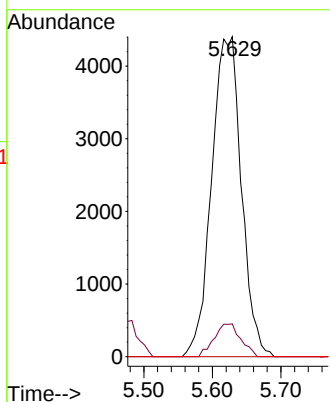
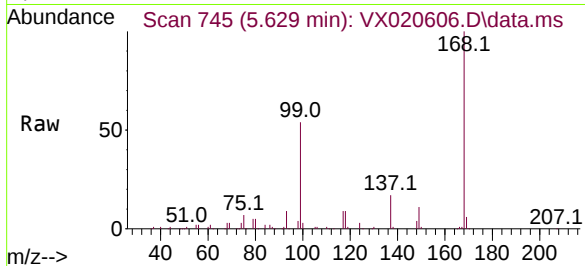




#36
1,1-Dichloropropene
Concen: 4.89 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

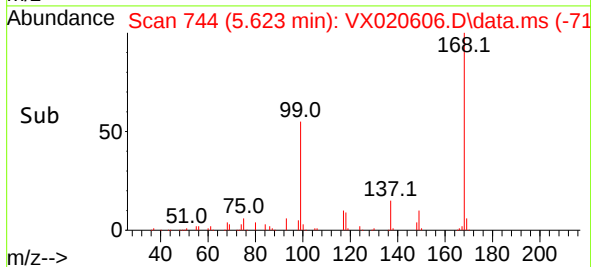
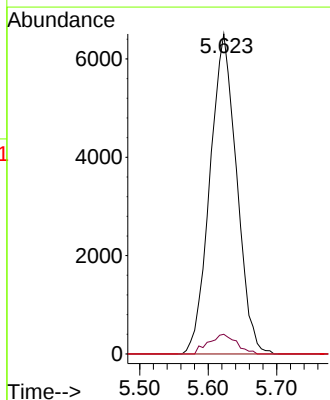
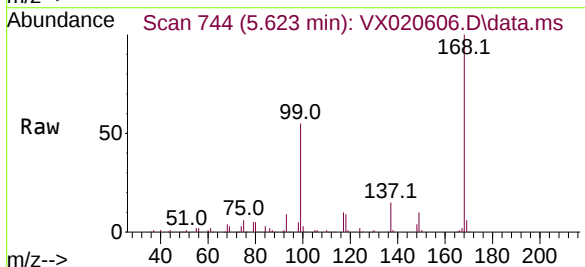
Instrument :
MSVOA_X
ClientSampleId :
FK-GF-02-065-AME

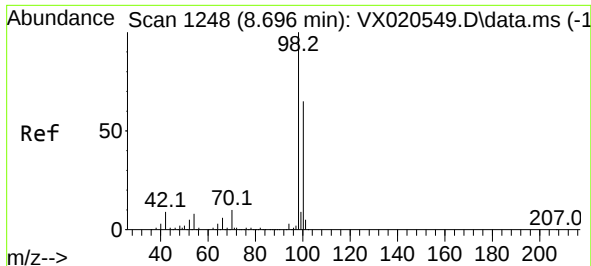
Tgt Ion: 75 Resp: 13253
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.57 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Tgt Ion: 117 Resp: 17631
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

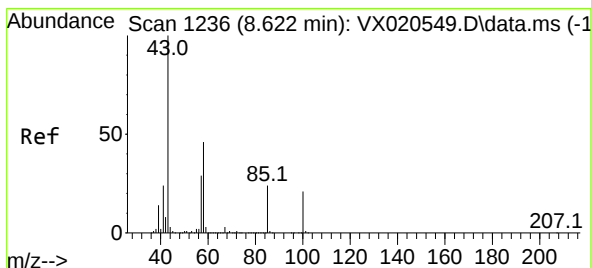
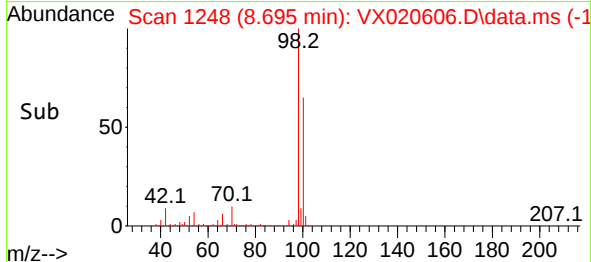
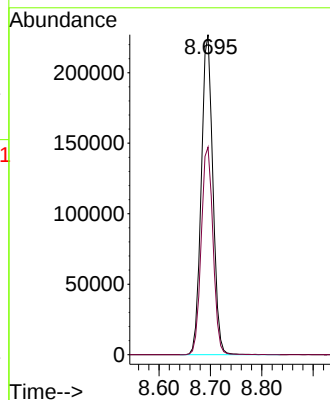
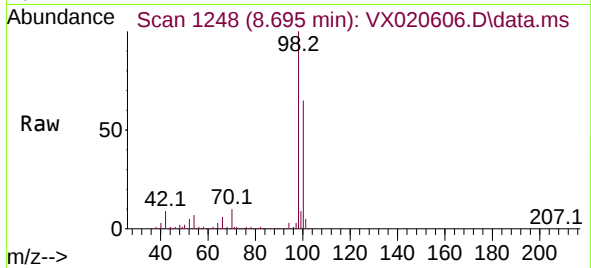




#50
Toluene-d8
Concen: 48.15 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

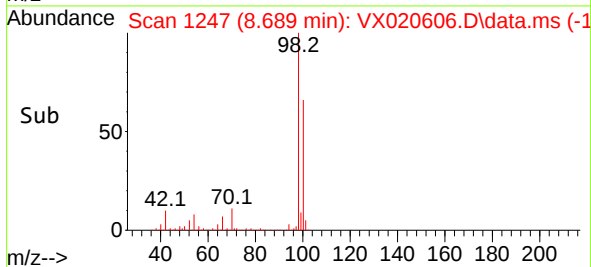
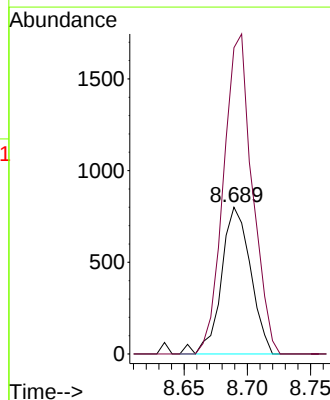
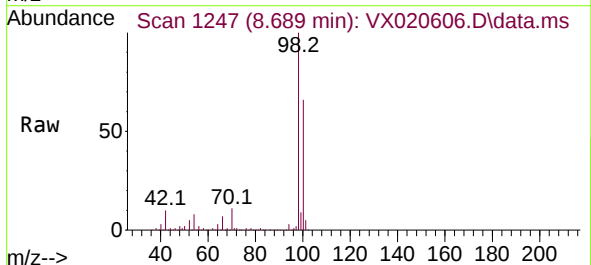
Instrument :
MSVOA_X
ClientSampleId :
FK-GF-02-065-AME

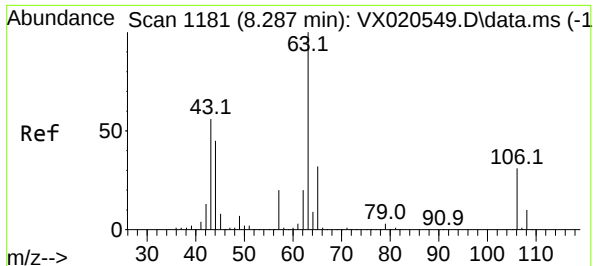
Tgt Ion: 98 Resp: 354139
Ion Ratio Lower Upper
98 100
100 66.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.54 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.067 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
58 214.5 35.4 53.0#

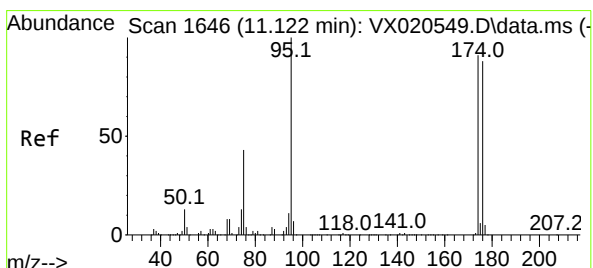
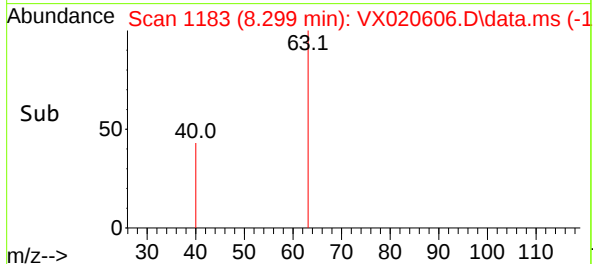
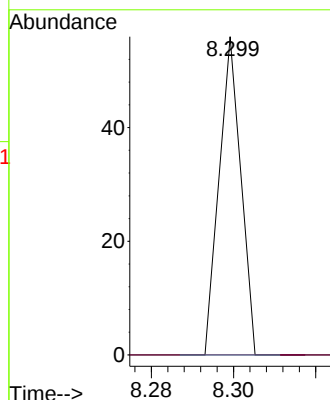
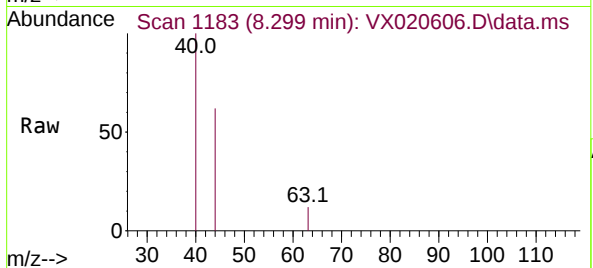




#58
2-Chloroethyl Vinyl ether
Concen: 4.58 ug/l
RT: 8.299 min Scan# 1183
Delta R.T. 0.012 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

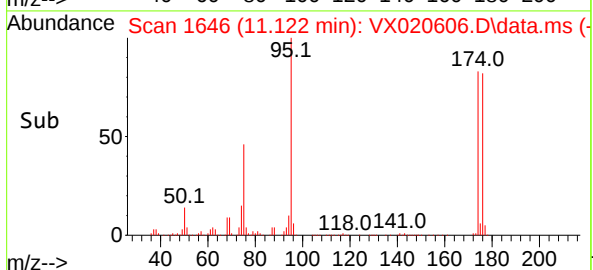
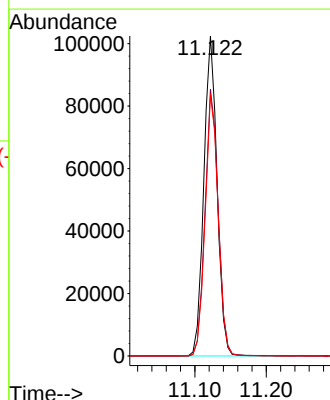
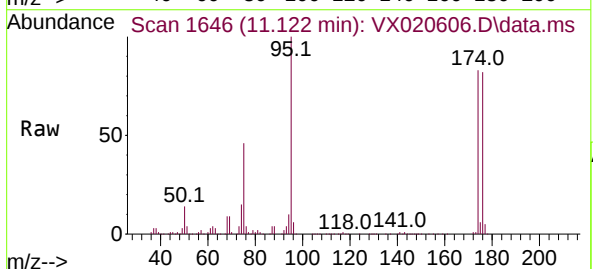
Instrument :
MSVOA_X
ClientSampleId :
FK-GF-02-065-AME

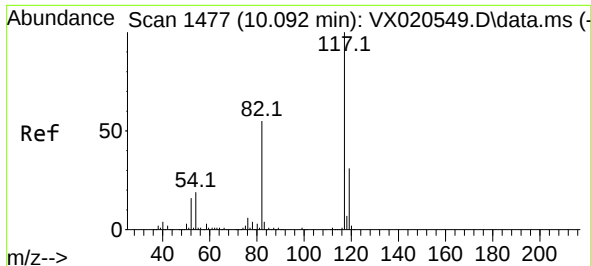
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#62
4-Bromofluorobenzene
Concen: 50.53 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Tgt Ion: 95 Resp: 131238
Ion Ratio Lower Upper
95 100
174 83.5 0.0 154.6
176 80.7 0.0 155.8

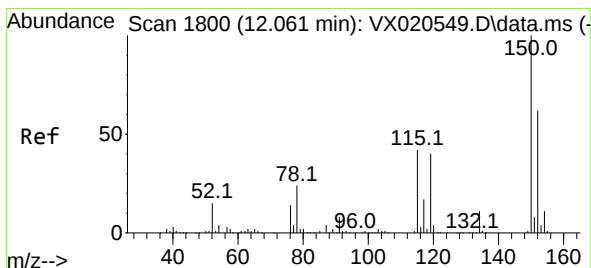
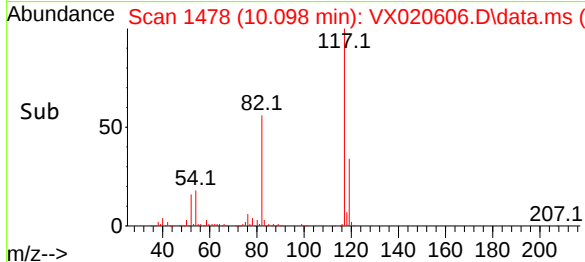
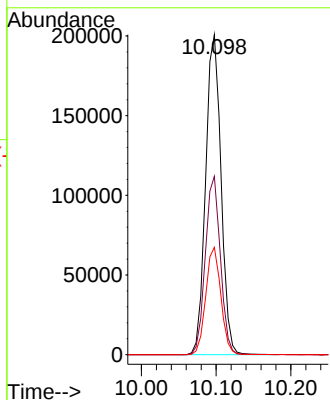
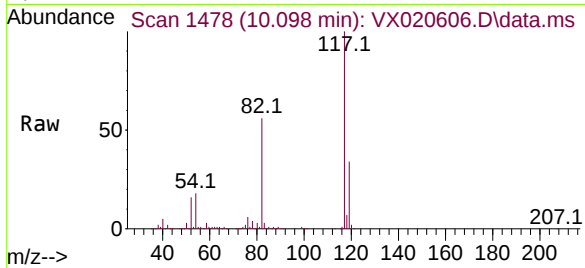




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

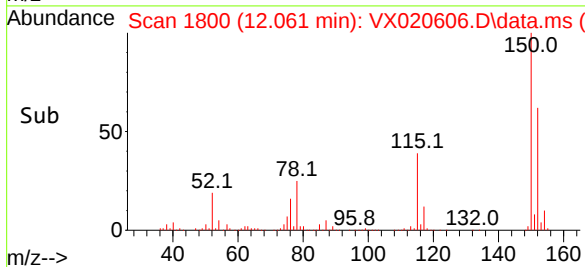
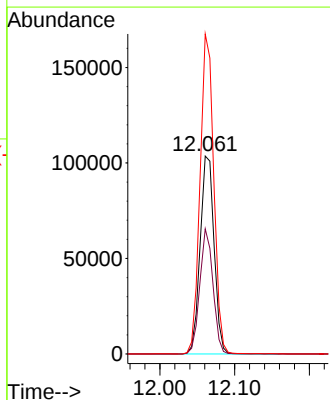
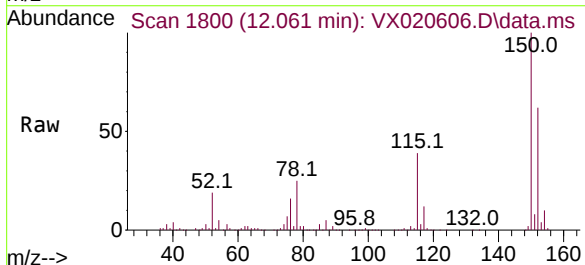
Instrument :
MSVOA_X
ClientSampleId :
FK-GF-02-065-AME

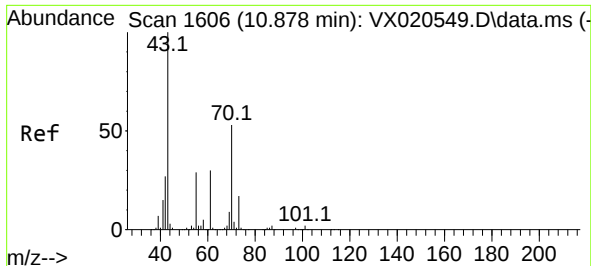
Tgt Ion:117 Resp: 287231
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 33.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

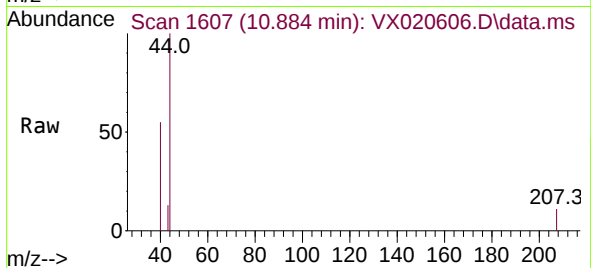
Tgt Ion:152 Resp: 134598
Ion Ratio Lower Upper
152 100
115 59.6 41.1 123.3
150 158.2 0.0 349.0



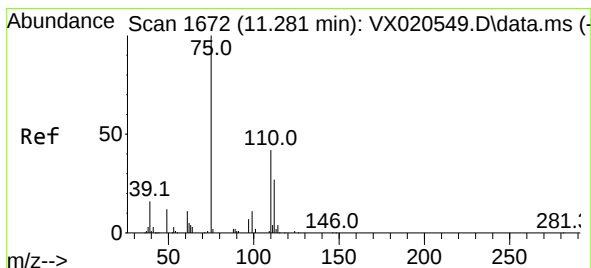
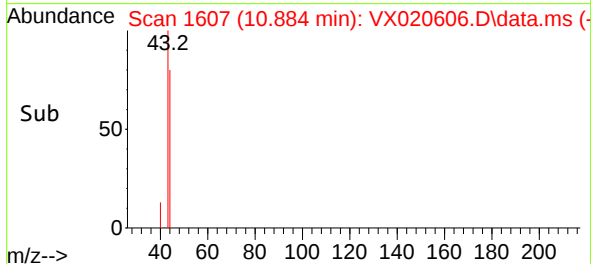
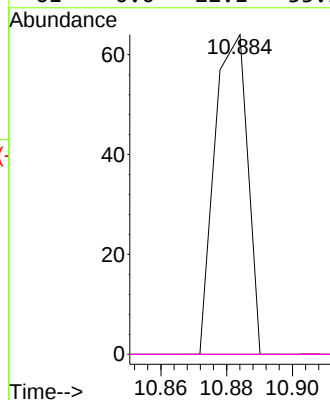


#74
N-amy1 acetate
Concen: 1.25 ug/l
RT: 10.884 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Instrument :
MSVOA_X
ClientSampleId :
FK-GF-02-065-AME

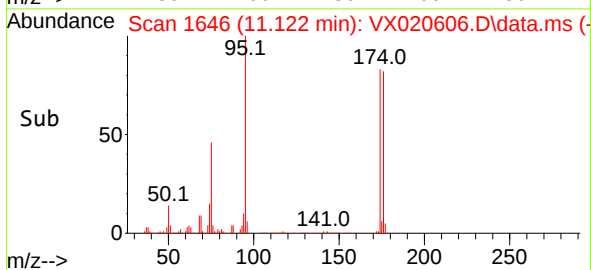
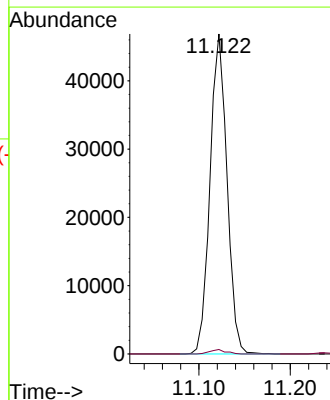
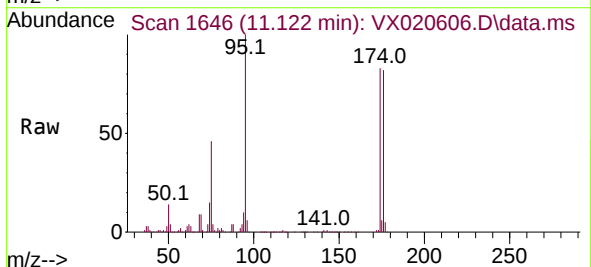


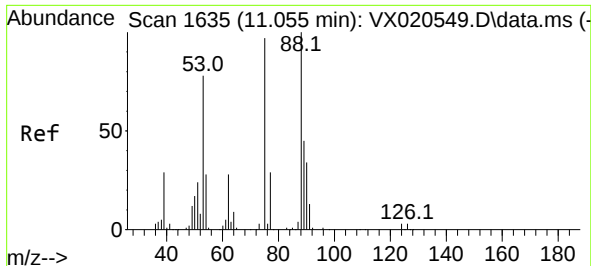
Tgt Ion: 43	Resp:	44
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	0.0	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 21.24 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.159 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Tgt Ion: 75	Resp:	60235
Ion	Ratio	Lower Upper
75	100	
77	1.3	19.1 57.5#

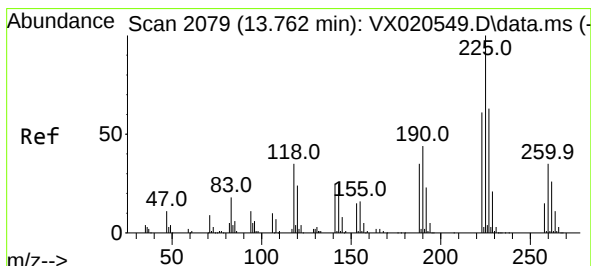
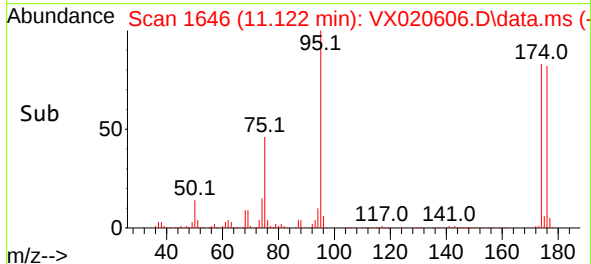
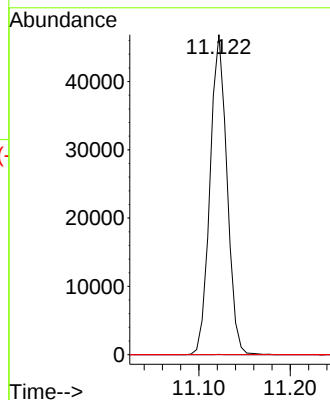
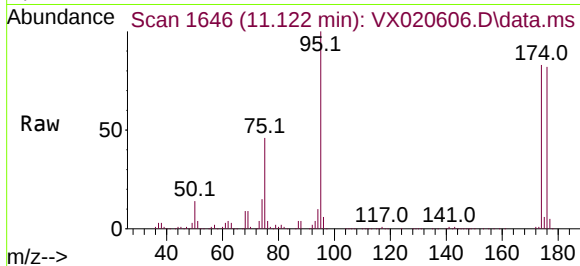




#81
trans-1,4-Dichloro-2-butene
Concen: 57.88 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

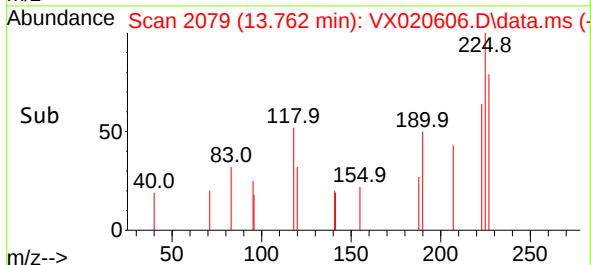
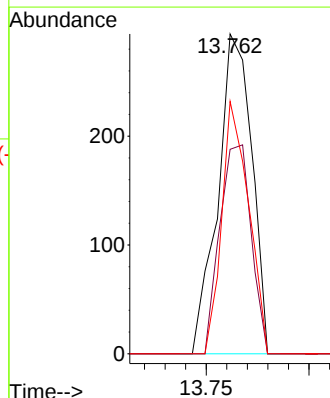
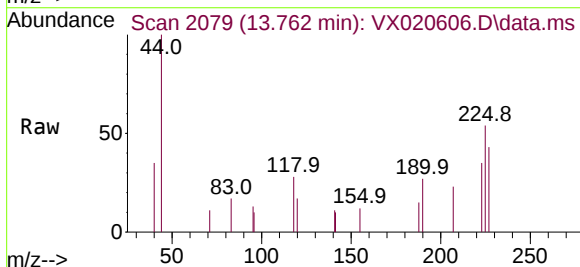
Instrument :
MSVOA_X
ClientSampleId :
FK-GF-02-065-AME

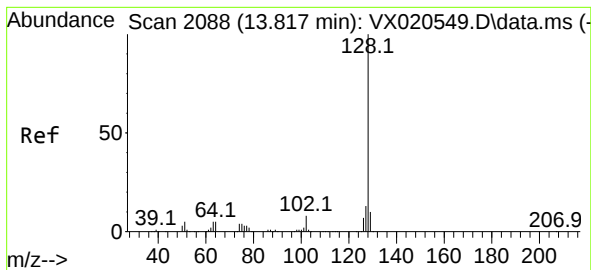
Tgt Ion: 75 Resp: 60235
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 1.09 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.000 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

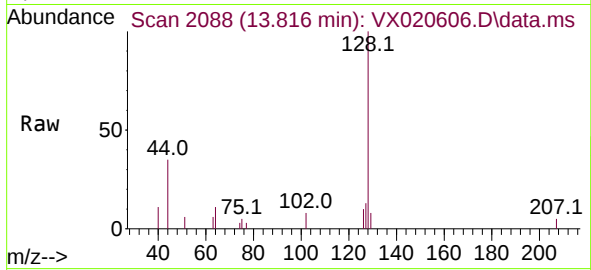
Tgt Ion: 225 Resp: 337
Ion Ratio Lower Upper
225 100
223 60.5 31.1 93.2
227 62.3 31.6 95.0





#95
Naphthalene
Concen: 4.04 ug/l
RT: 13.816 min Scan# 2088
Delta R.T. -0.001 min
Lab File: VX020606.D
Acq: 14 Jan 2021 12:45

Instrument :
MSVOA_X
ClientSampleId :
FK-GF-02-065-AME



Tgt Ion:	128	Resp:	2075
Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.3	15.5
129	10.3	8.8	13.2

