

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102621\
 Data File : VW023037.D
 Acq On : 26 Oct 2021 14:28
 Operator : SY/MD
 Sample : M4278-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGH4

Quant Time: Oct 27 01:33:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	141614	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	144530	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	66263	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	52579	4.249	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.000%
7) Chloroethane-d5	1.568	69	37207	4.861	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.108	63	59776	3.349	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.000%
20) 2-Butanone-d5	3.886	46	107181	53.994	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.980%
24) Chloroform-d	4.352	84	100133	4.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	5.034	65	45483	4.796	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.053	84	198347	4.701	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.069	67	61324	4.721	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.317	98	169684	4.477	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	7.625	79	20525	4.510	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.088	63	70838	42.040	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.080%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38975	4.345	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	66045	5.586	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.800%
Target Compounds						Qvalue
3) Chloromethane	1.243	50	576	0.059	ug/L	99
8) Chloroethane	1.304	64	753	0.144	ug/L #	1
13) Acetone	2.179	43	14477	14.865	ug/L	93
15) Methyl Acetate	2.356	43	124777	33.679	ug/L #	47
33) Benzene	5.105	78	23416	0.602	ug/L	100
35) Methylcyclohexane	6.072	83	15121	1.081	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	6679	0.681	ug/L #	83
39) cis-1,3-Dichloropropene	6.995	75	1640	0.134	ug/L #	35
42) Toluene	7.387	91	200402	5.085	ug/L	99
48) 2-Hexanone	8.146	43	9114	2.660	ug/L #	83
52) Ethylbenzene	9.018	91	22319	0.570	ug/L	100
53) m,p-xylene	9.140	106	29849	1.903	ug/L	96
54) o-xylene	9.545	106	12225	0.828	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	3278	0.122	ug/L	88
63) 1,2,4-Trimethylbenzene	10.918	105	14721	0.548	ug/L	98
71) Naphthalene	13.509	128	5117	0.335	ug/L #	93

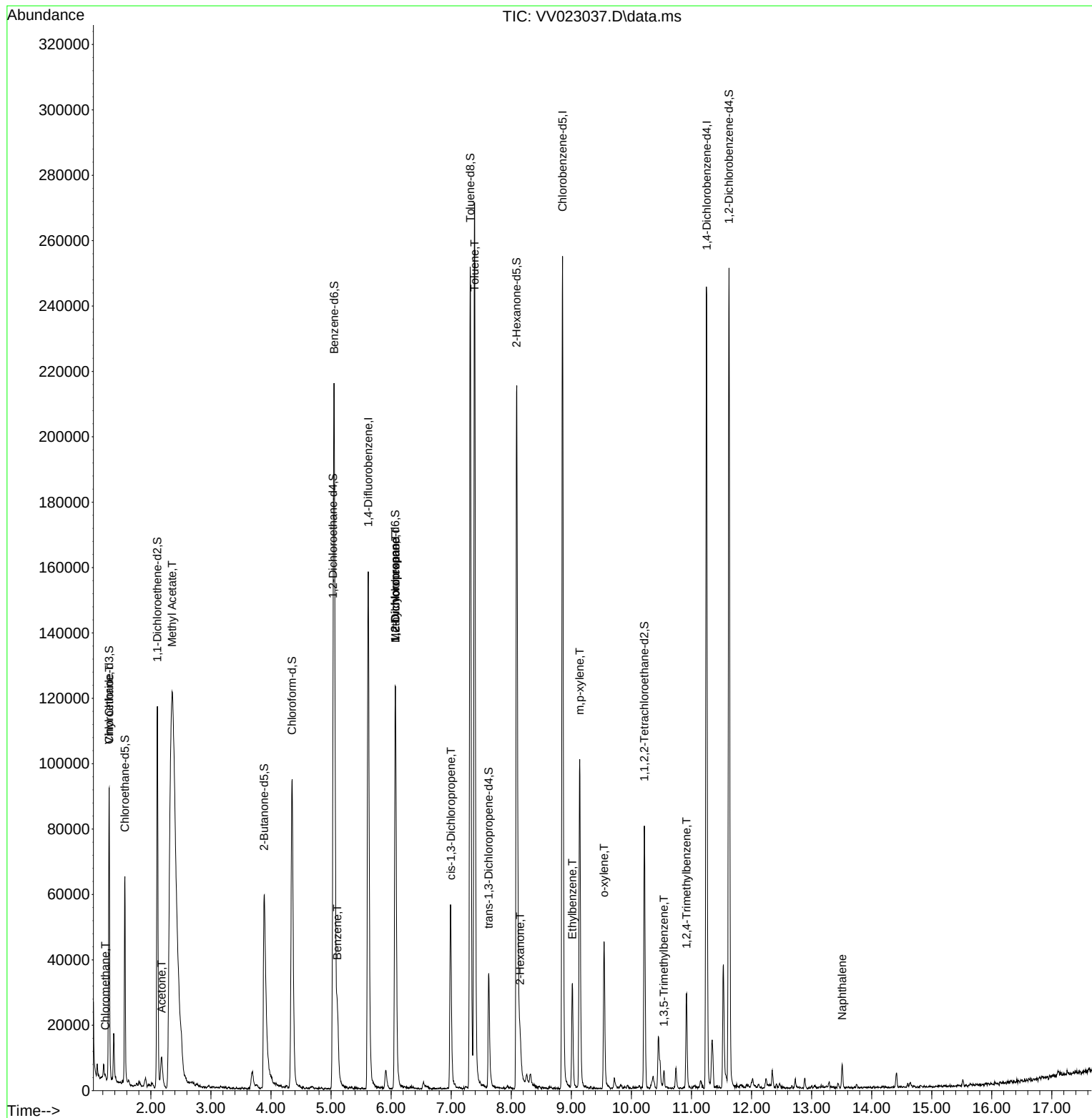
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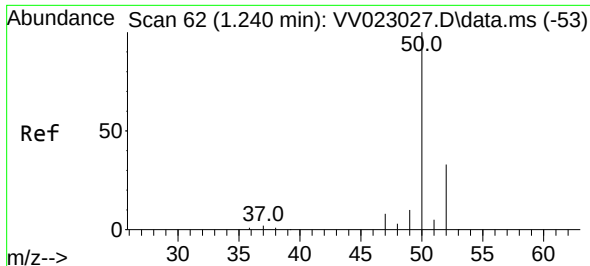
Instrument :
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ClientSampleId :
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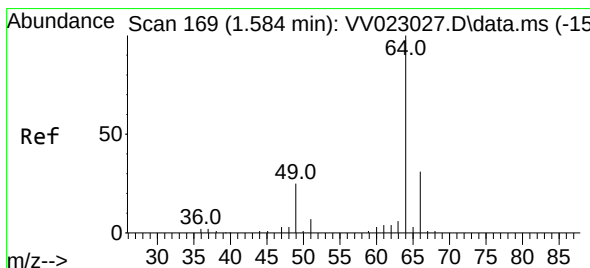
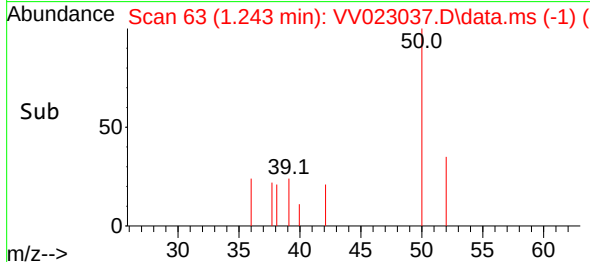
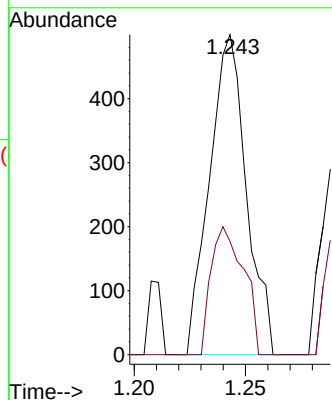
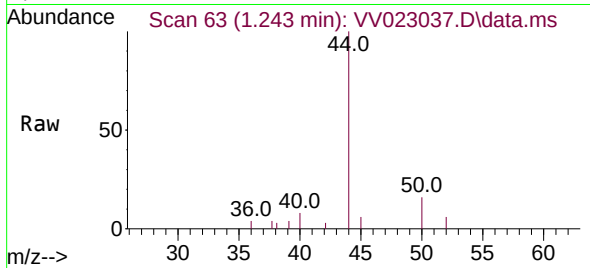




#3
Chloromethane
Concen: 0.059 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

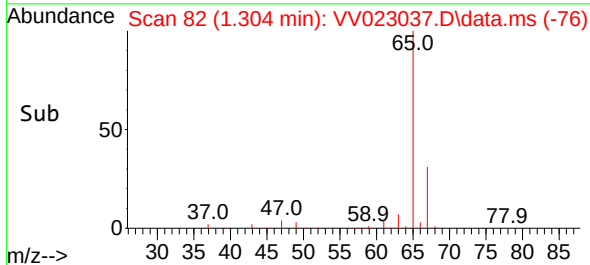
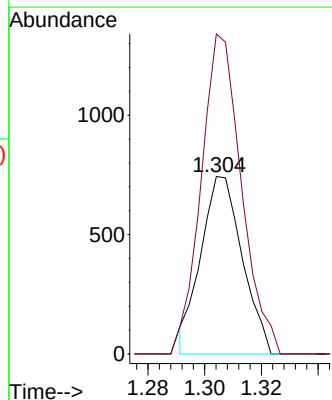
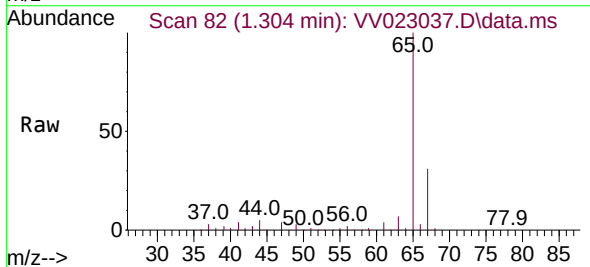
Instrument :
MSVOA_V
ClientSampleId :
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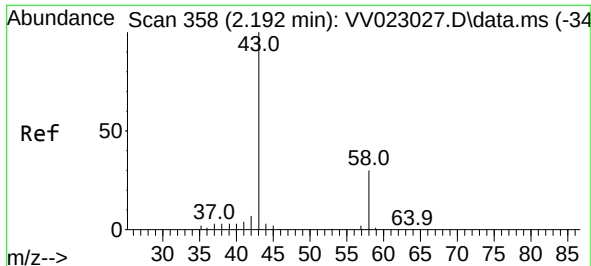
Tgt Ion: 50 Resp: 576
Ion Ratio Lower Upper
50 100
52 35.4 24.3 45.1



#8
Chloroethane
Concen: 0.144 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.280 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

Tgt Ion: 64 Resp: 753
Ion Ratio Lower Upper
64 100
66 180.3 22.1 41.1#

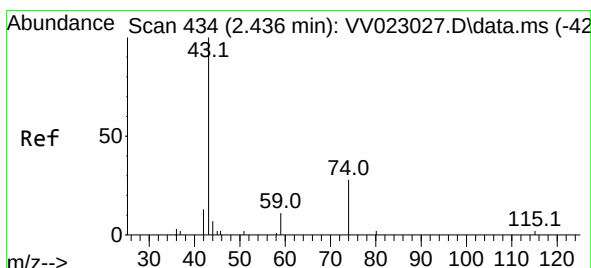
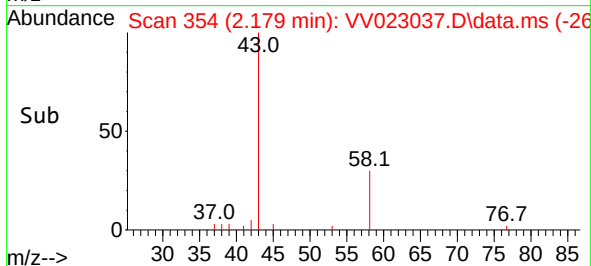
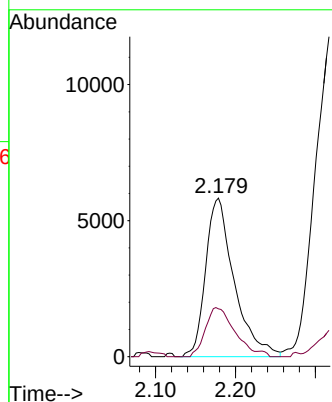
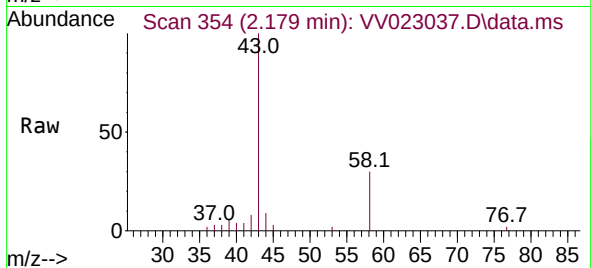




#13
Acetone
Concen: 14.865 ug/L
RT: 2.179 min Scan# 311
Delta R.T. -0.013 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

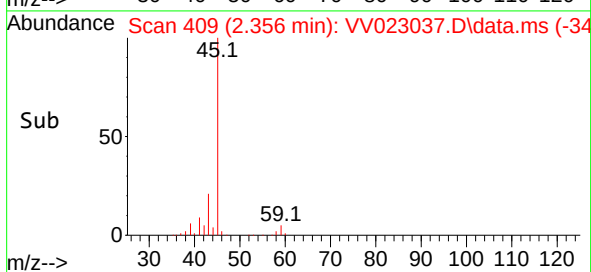
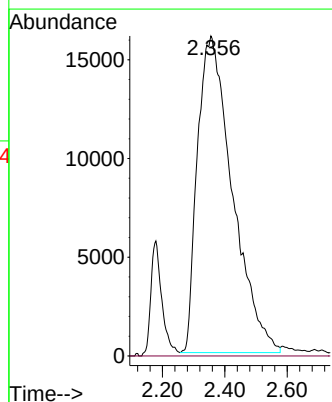
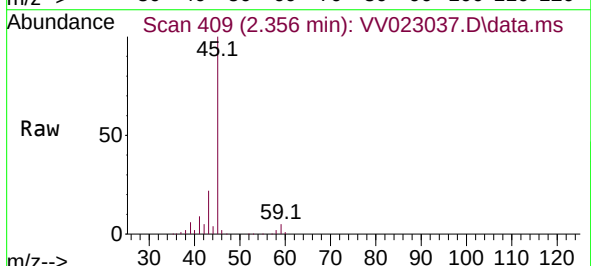
Instrument :
MSVOA_V
ClientSampleId :
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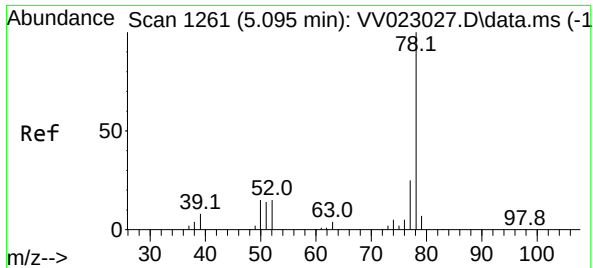
Tgt Ion: 43 Resp: 14477
Ion Ratio Lower Upper
43 100
58 31.2 0.0 55.4



#15
Methyl Acetate
Concen: 33.679 ug/L
RT: 2.356 min Scan# 409
Delta R.T. -0.080 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

Tgt Ion: 43 Resp: 124777
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#

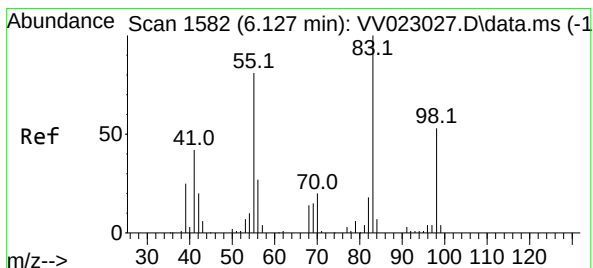
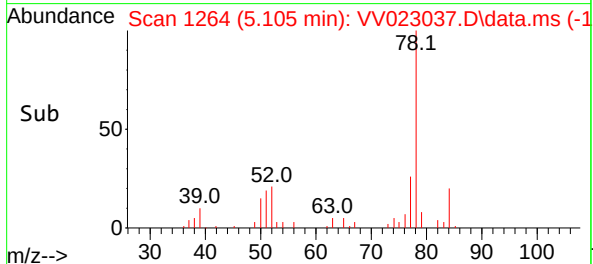
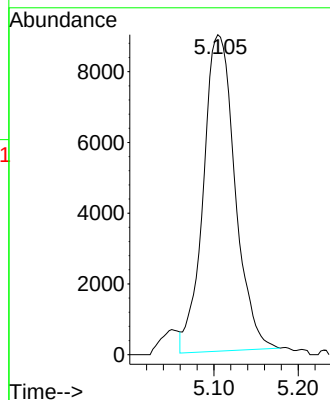
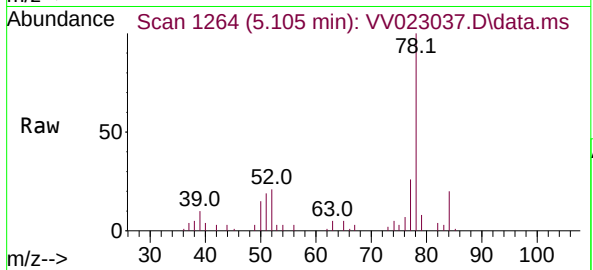




#33
Benzene
Concen: 0.602 ug/L
RT: 5.105 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

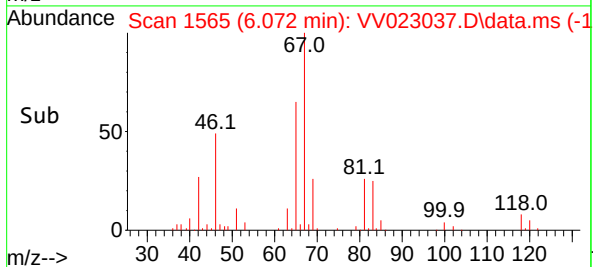
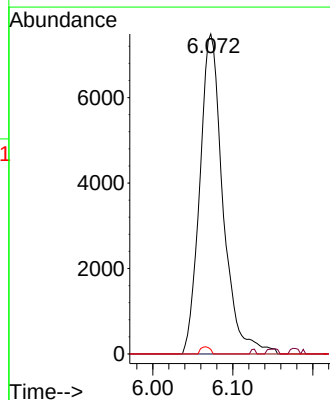
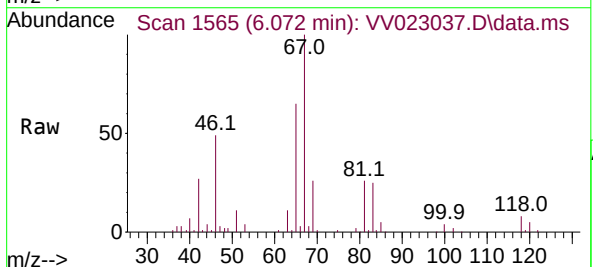
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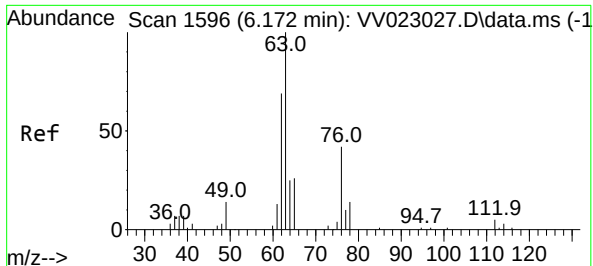
Tgt Ion: 78 Resp: 23416



#35
Methylcyclohexane
Concen: 1.081 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

Tgt Ion: 83 Resp: 15121
Ion Ratio Lower Upper
83 100
55 0.3 62.8 94.2#
98 0.9 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.681 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023037.D

Acq: 26 Oct 2021 14:28

Instrument :

MSVOA_V

ClientSampleId :

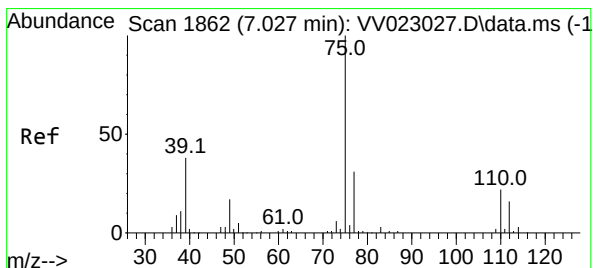
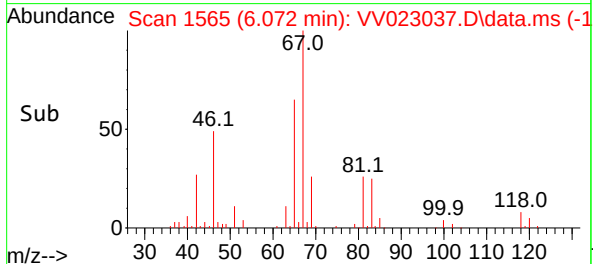
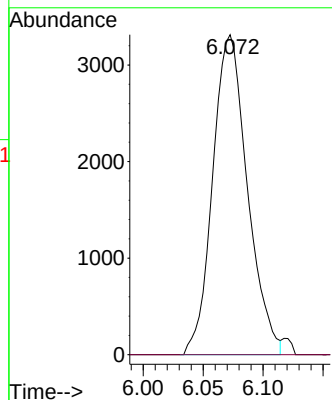
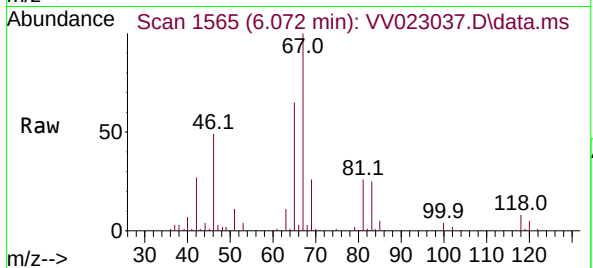
BFGH4

Tgt Ion: 63 Resp: 6679

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.134 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.032 min

Lab File: VV023037.D

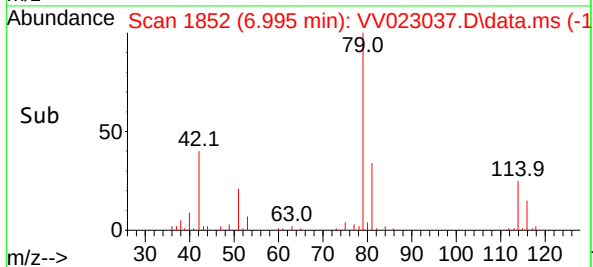
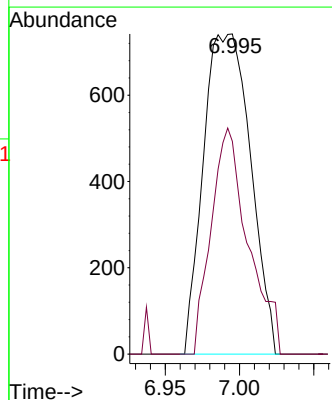
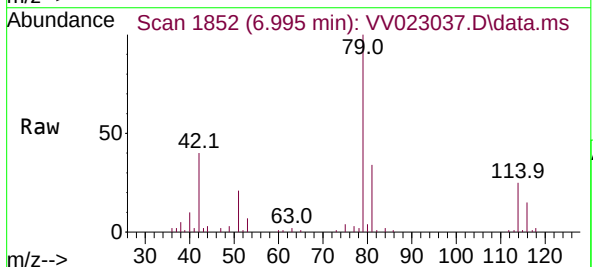
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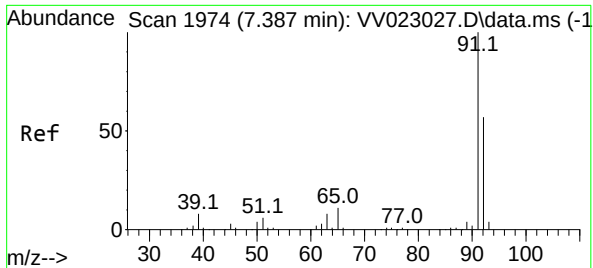
Tgt Ion: 75 Resp: 1640

Ion Ratio Lower Upper

75 100

77 66.4 21.6 40.2#

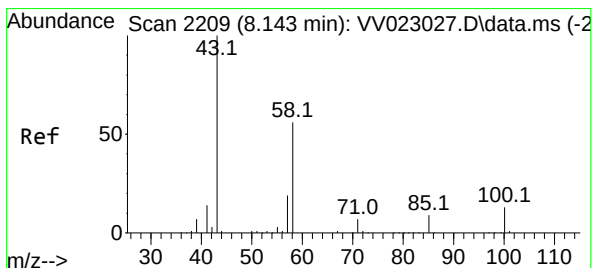
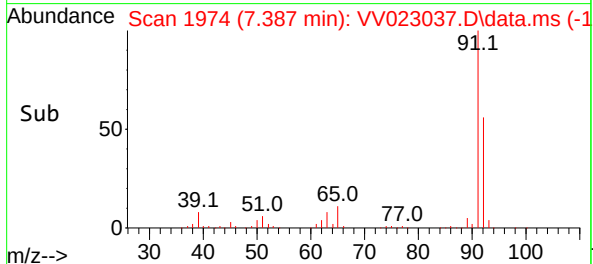
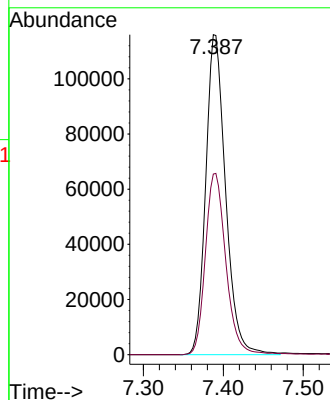
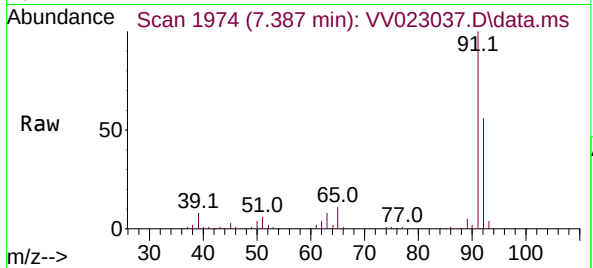




#42
Toluene
Concen: 5.085 ug/L
RT: 7.387 min Scan# 1974
Delta R.T. 0.000 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

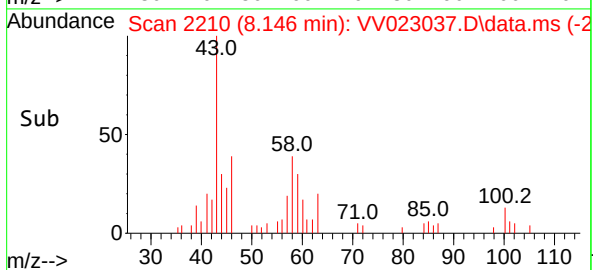
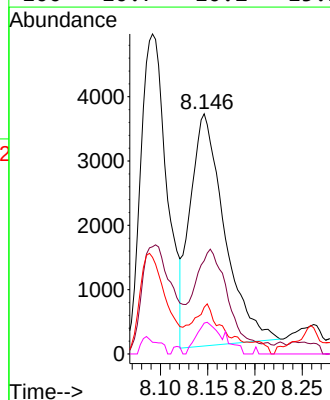
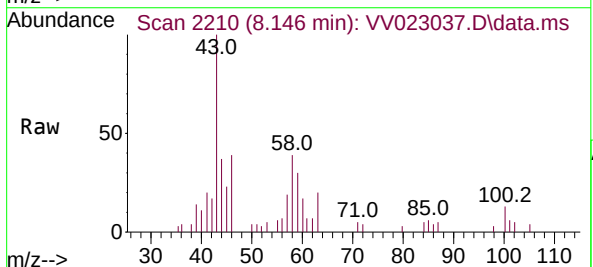
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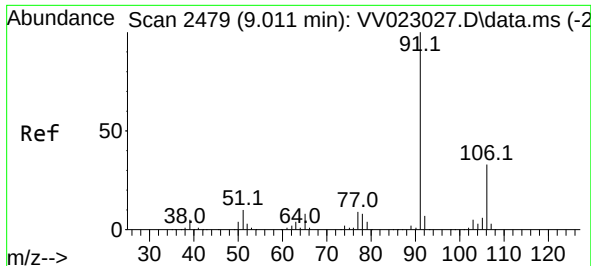
Tgt Ion: 91 Resp: 200402
Ion Ratio Lower Upper
91 100
92 56.5 39.3 72.9



#48
2-Hexanone
Concen: 2.660 ug/L
RT: 8.146 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

Tgt Ion: 43 Resp: 9114
Ion Ratio Lower Upper
43 100
58 38.6 43.7 65.5#
57 12.8 14.1 21.1#
100 10.7 10.2 15.2

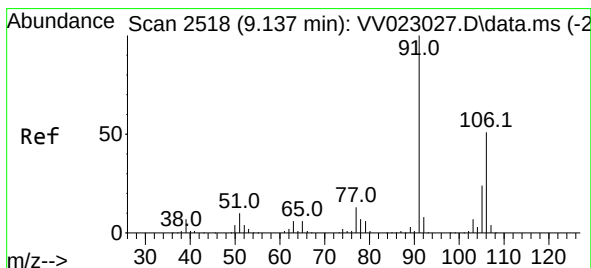
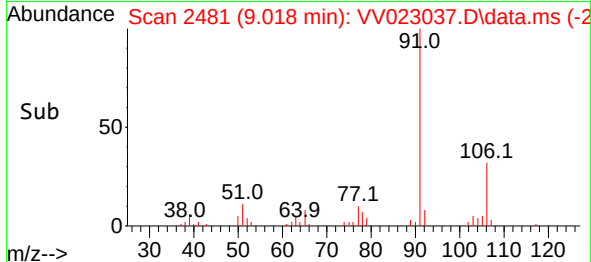
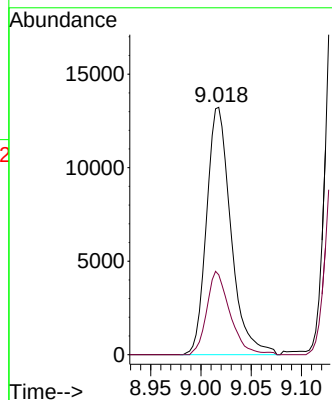
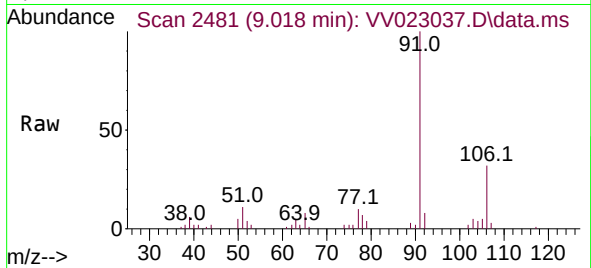




#52
Ethylbenzene
Concen: 0.570 ug/L
RT: 9.018 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

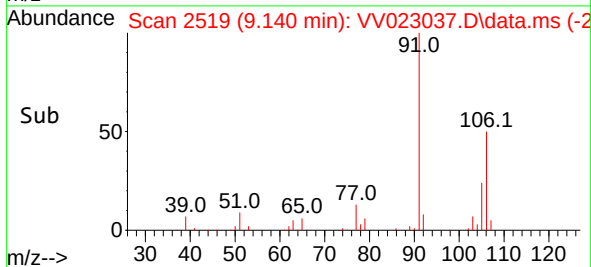
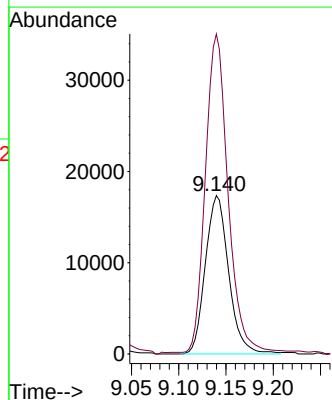
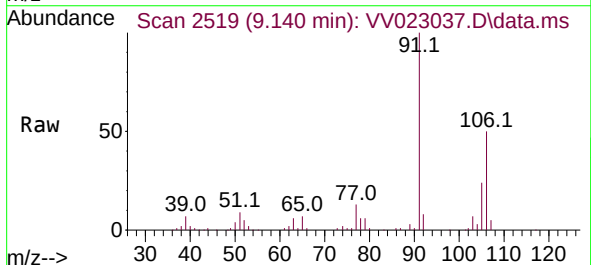
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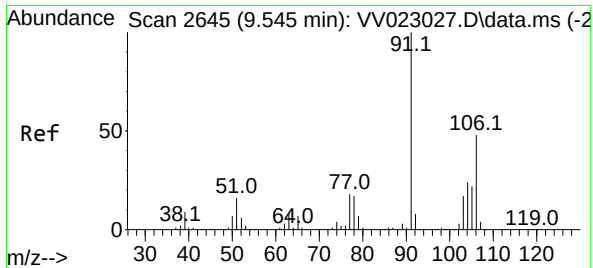
Tgt Ion: 91 Resp: 22319
Ion Ratio Lower Upper
91 100
106 32.3 22.5 41.9



#53
m,p-xylene
Concen: 1.903 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

Tgt Ion: 106 Resp: 29849
Ion Ratio Lower Upper
106 100
91 201.9 137.2 254.8

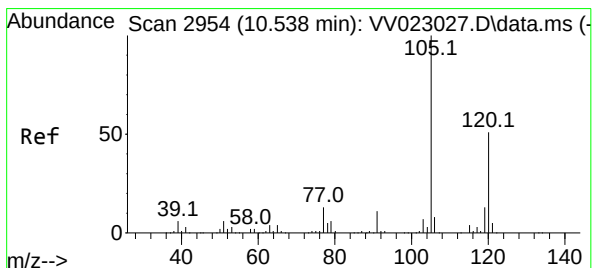
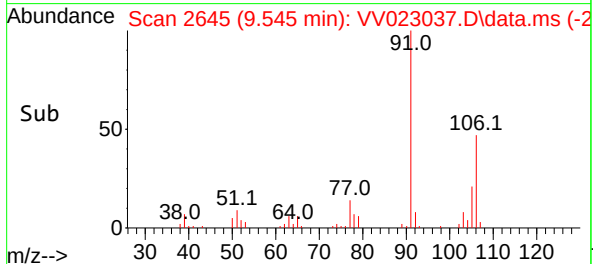
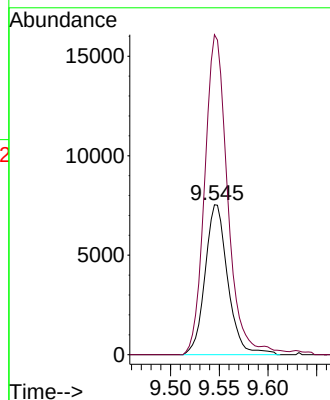
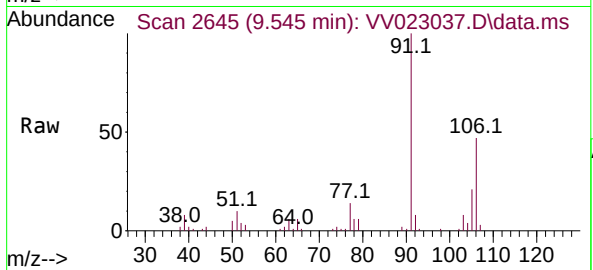




#54
o-xylene
Concen: 0.828 ug/L
RT: 9.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

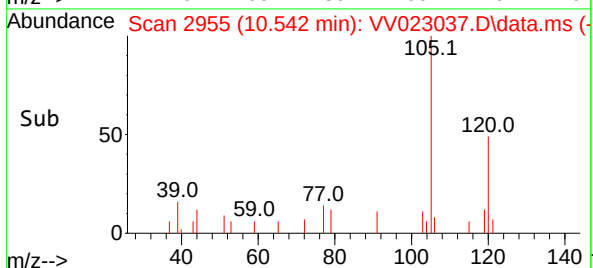
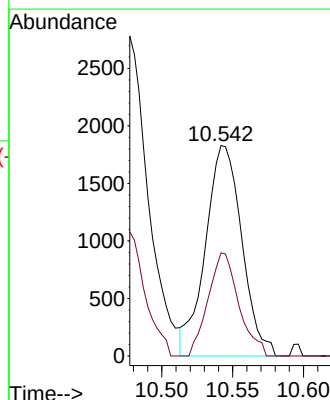
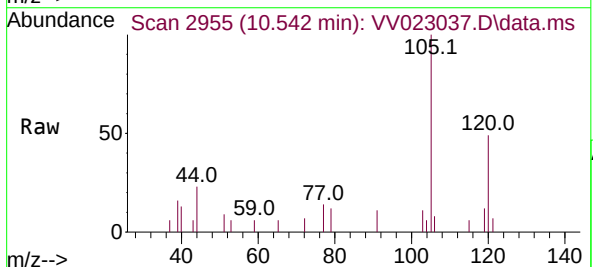
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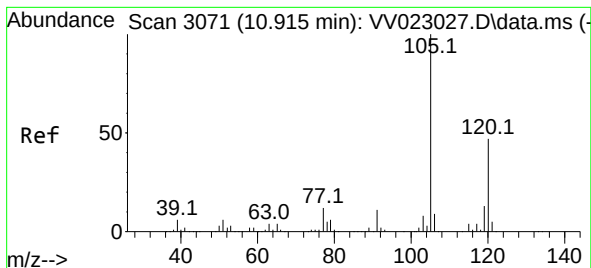
Tgt Ion:106 Resp: 12225
Ion Ratio Lower Upper
106 100
91 213.5 148.3 275.5



#62
1,3,5-Trimethylbenzene
Concen: 0.122 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV023037.D
Acq: 26 Oct 2021 14:28

Tgt Ion:105 Resp: 3278
Ion Ratio Lower Upper
105 100
120 41.2 39.7 59.5





#63

1,2,4-Trimethylbenzene

Concen: 0.548 ug/L

RT: 10.918 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV023037.D

Acq: 26 Oct 2021 14:28

Instrument :

MSVOA_V

ClientSampleId :

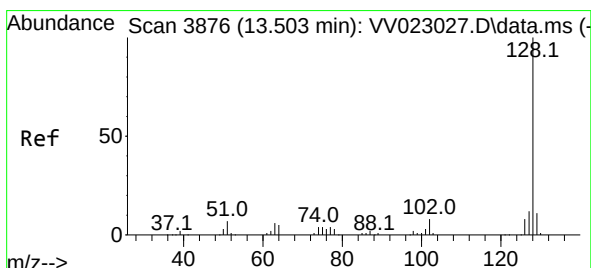
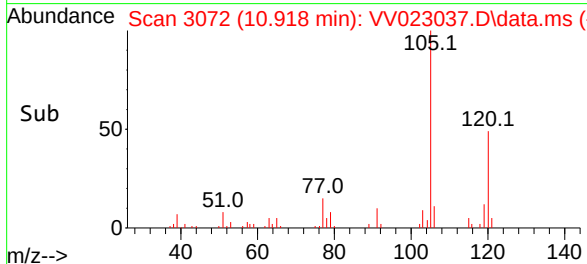
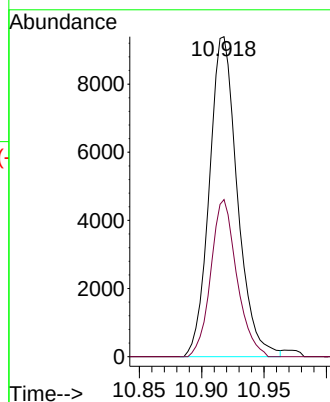
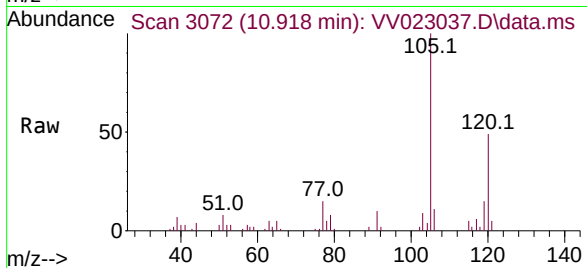
BFGH4

Tgt Ion:105 Resp: 14721

Ion Ratio Lower Upper

105 100

120 45.4 37.4 56.2



#71

Naphthalene

Concen: 0.335 ug/L

RT: 13.509 min Scan# 3878

Delta R.T. 0.006 min

Lab File: VV023037.D

Acq: 26 Oct 2021 14:28

Tgt Ion:128 Resp: 5117

Ion Ratio Lower Upper

128 100

129 12.3 8.6 13.0

127 17.2 10.5 15.7#

