

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121521\
 Data File : VW023989.D
 Acq On : 15 Dec 2021 18:26
 Operator : SY/MD
 Sample : M4971-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3D9

Quant Time: Dec 16 04:51:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 16 04:44:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	96389	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	102168	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	52541	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	16961	3.273	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.400%
7) Chloroethane-d5	1.568	69	17547	4.059	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.200%
11) 1,1-Dichloroethene-d2	2.108	63	24518	2.424	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.400%#
20) 2-Butanone-d5	3.908	46	67422	66.598	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	133.200%#
24) Chloroform-d	4.349	84	50703	4.320	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
26) 1,2-Dichloroethane-d4	5.037	65	26521	4.853	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.050	84	79645	3.936	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
36) 1,2-Dichloropropane-d6	6.069	67	27823	4.557	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.317	98	58676	3.221	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.400%#
43) trans-1,3-Dichloroprop...	7.625	79	9293	3.669	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.400%
46) 2-Hexanone-d5	8.088	63	52478	46.284	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.560%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23080	4.557	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	32188	4.586	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						Qvalue
3) Chloromethane	1.240	50	1038	0.145	ug/L	91
13) Acetone	2.211	43	4607	5.688	ug/L	90
17) Methyl tert-butyl Ether	2.764	73	1043	0.071	ug/L #	72
30) Cyclohexane	4.680	56	1033	0.097	ug/L #	69
33) Benzene	5.104	78	30593	1.058	ug/L	100
35) Methylcyclohexane	6.072	83	7367	0.614	ug/L #	18
42) Toluene	7.391	91	54012	1.660	ug/L	99
48) 2-Hexanone	8.091	43	6643	2.776	ug/L #	71
52) Ethylbenzene	9.018	91	3787	0.110	ug/L	97
53) m,p-xylene	9.136	106	4883	0.360	ug/L	95
54) o-xylene	9.545	106	4482	0.341	ug/L	97
60) Isopropylbenzene	10.741	105	2377	0.077	ug/L	96
61) 1,2,3-Trichloropropane	11.249	75	5113	1.428	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.545	105	1597	0.062	ug/L	96
63) 1,2,4-Trimethylbenzene	10.918	105	6994	0.274	ug/L	96
71) Naphthalene	13.513	128	1965	0.134	ug/L #	91

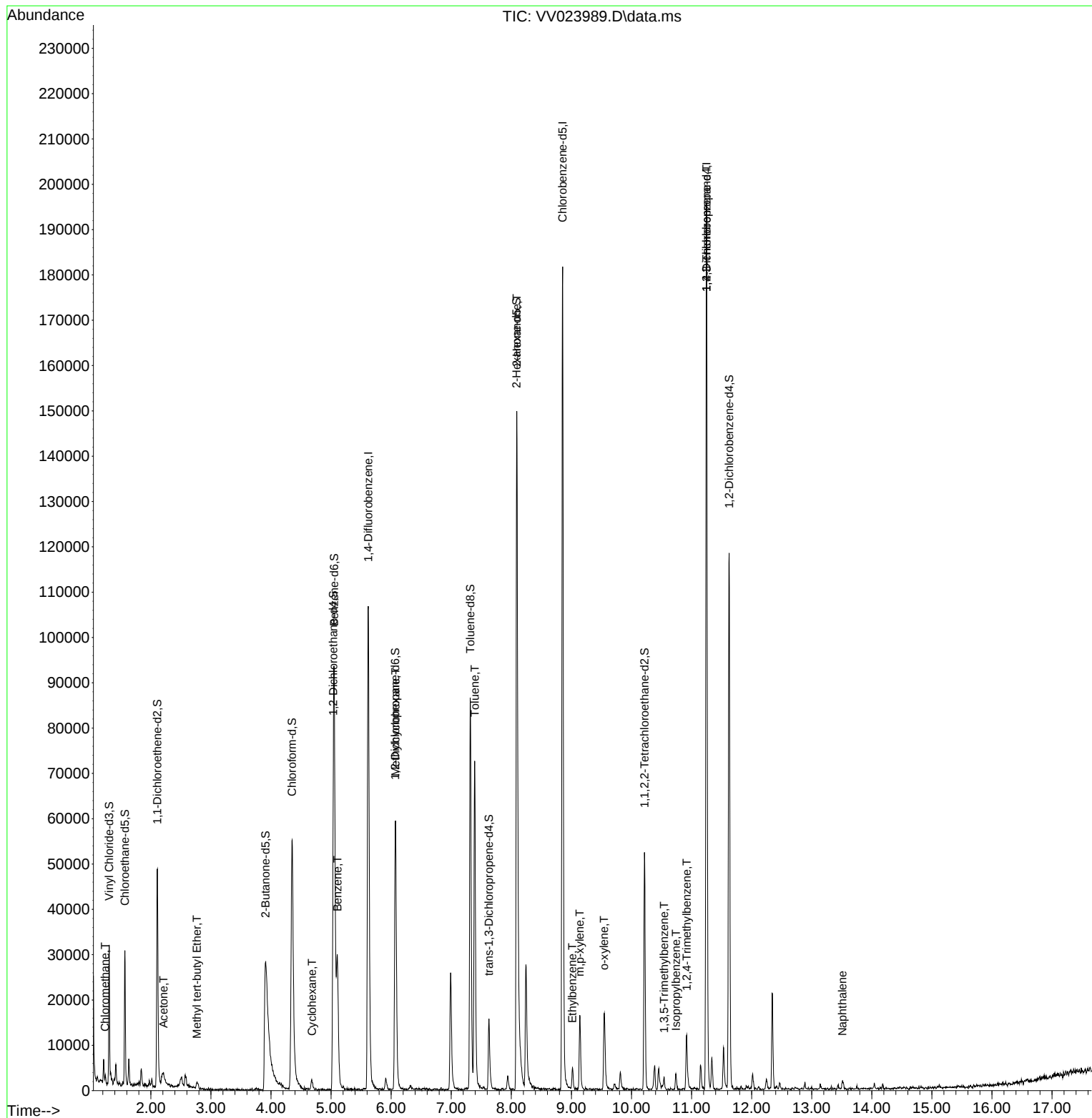
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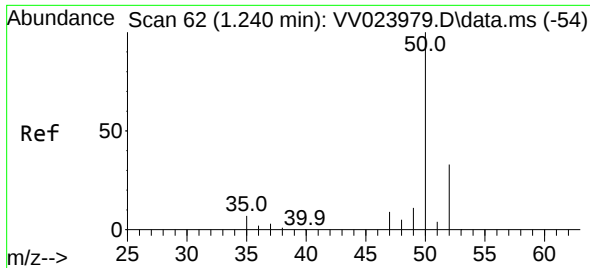
Instrument :
MSVOA_V
ClientSampleId :
BG3D9

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Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration

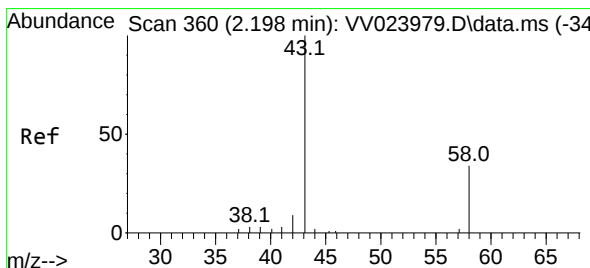
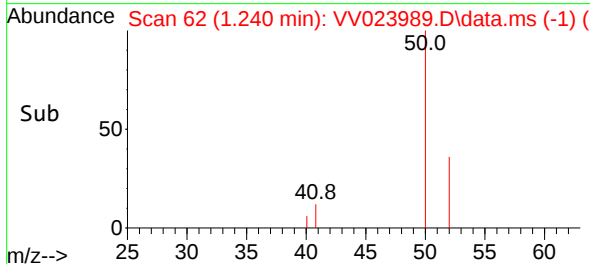
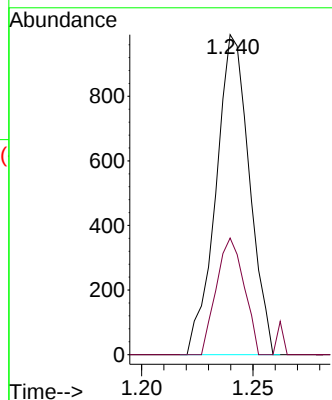
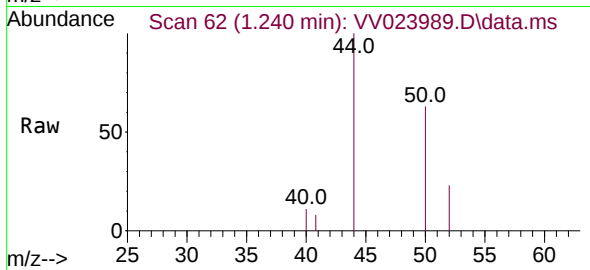




#3
Chloromethane
Concen: 0.145 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023989.D
Acq: 15 Dec 2021 18:26

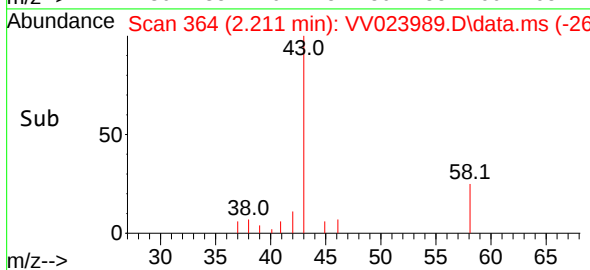
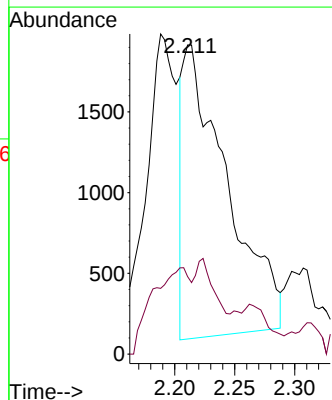
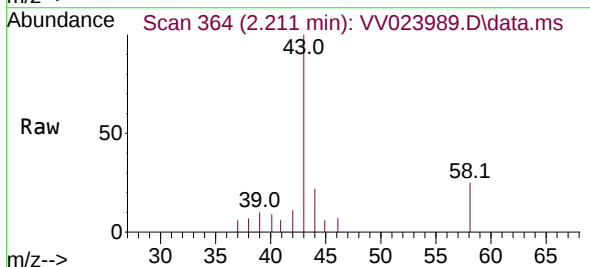
Instrument :
MSVOA_V
ClientSampleId :
BG3D9

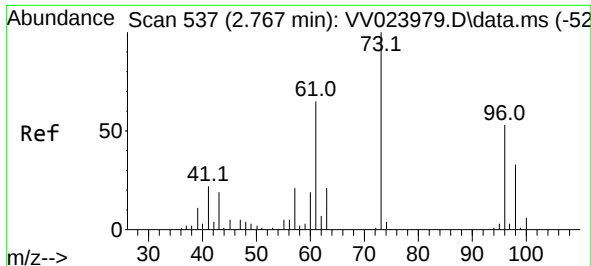
Tgt Ion: 50 Resp: 1038
Ion Ratio Lower Upper
50 100
52 36.4 22.0 41.0



#13
Acetone
Concen: 5.688 ug/L
RT: 2.211 min Scan# 364
Delta R.T. 0.013 min
Lab File: VV023989.D
Acq: 15 Dec 2021 18:26

Tgt Ion: 43 Resp: 4607
Ion Ratio Lower Upper
43 100
58 25.5 0.0 41.4





#17

Methyl tert-butyl Ether

Concen: 0.071 ug/L

RT: 2.764 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV023989.D

Acq: 15 Dec 2021 18:26

Instrument :

MSVOA_V

ClientSampleId :

BG3D9

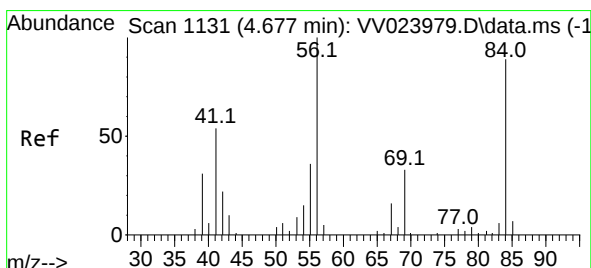
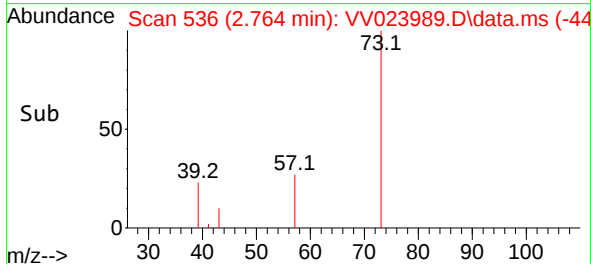
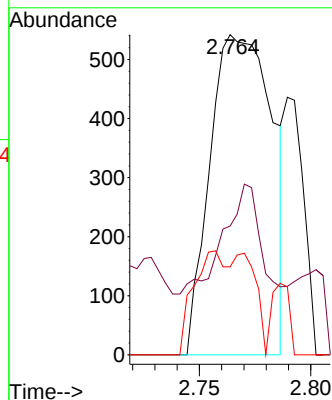
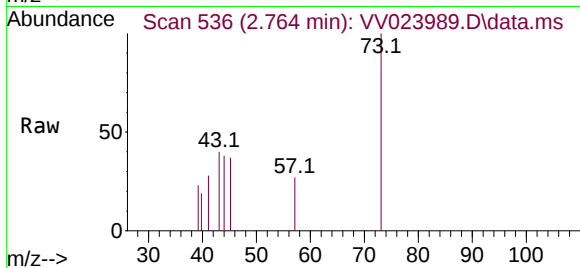
Tgt Ion: 73 Resp: 1043

Ion Ratio Lower Upper

73 100

43 35.1 15.5 23.3#

57 11.1 17.1 25.7#



#30

Cyclohexane

Concen: 0.097 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.003 min

Lab File: VV023989.D

Acq: 15 Dec 2021 18:26

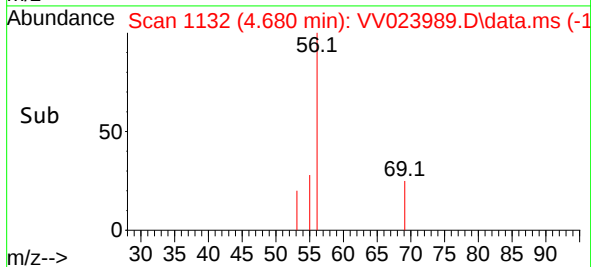
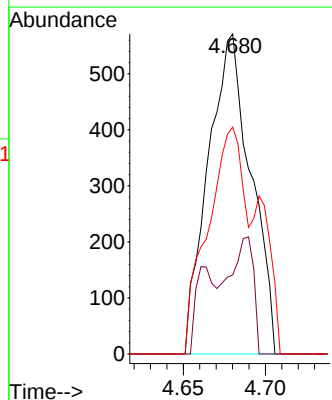
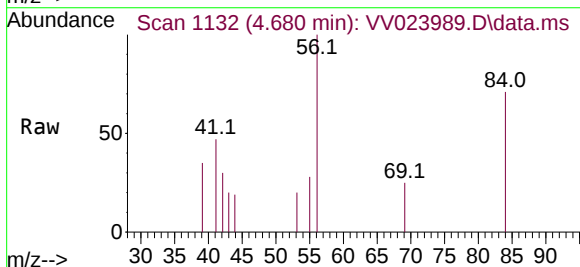
Tgt Ion: 56 Resp: 1033

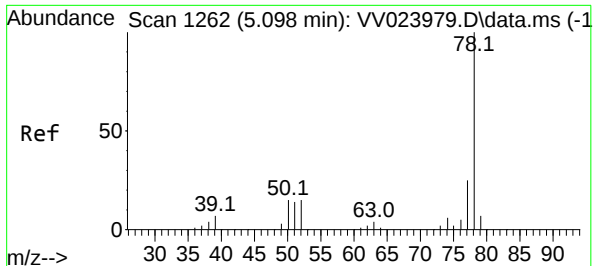
Ion Ratio Lower Upper

56 100

69 21.2 24.8 37.2#

84 61.1 75.9 113.9#

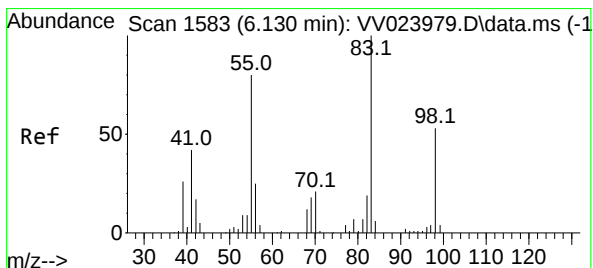
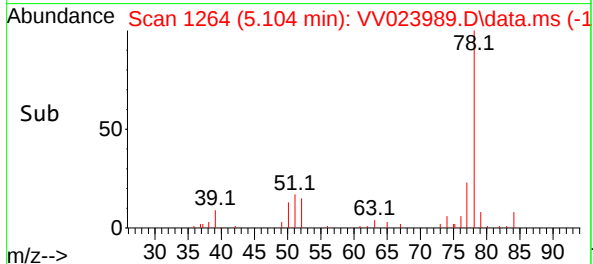
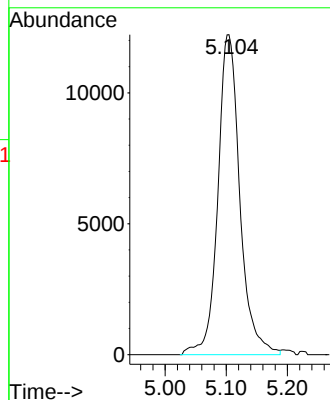
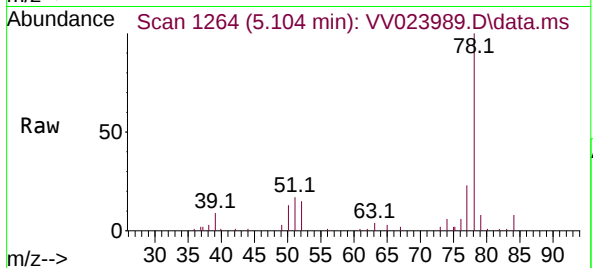




#33
Benzene
Concen: 1.058 ug/L
RT: 5.104 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV023989.D
Acq: 15 Dec 2021 18:26

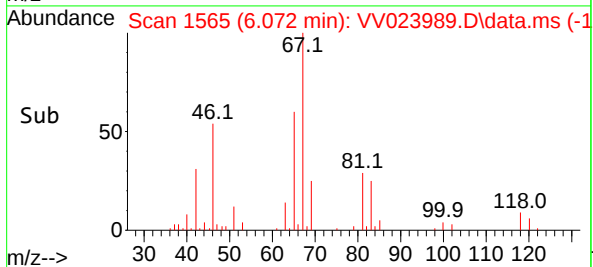
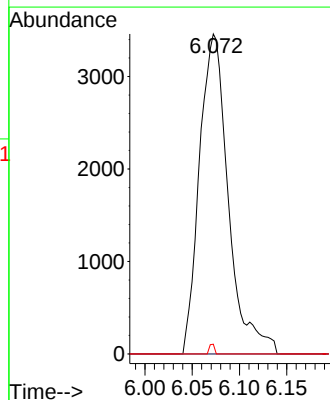
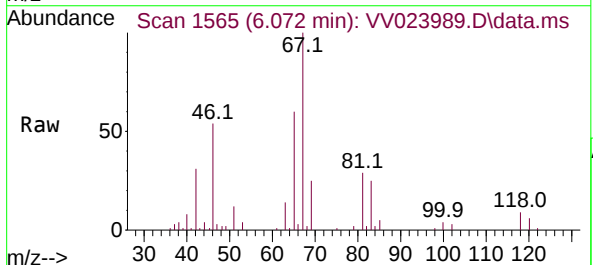
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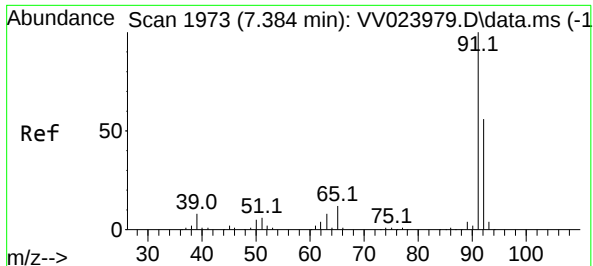
Tgt Ion: 78 Resp: 30593



#35
Methylcyclohexane
Concen: 0.614 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV023989.D
Acq: 15 Dec 2021 18:26

Tgt Ion: 83 Resp: 7367
Ion Ratio Lower Upper
83 100
55 0.3 60.2 90.2#
98 0.5 41.0 61.4#





#42

Toluene

Concen: 1.660 ug/L

RT: 7.391 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VV023989.D

Acq: 15 Dec 2021 18:26

Instrument :

MSVOA_V

ClientSampleId :

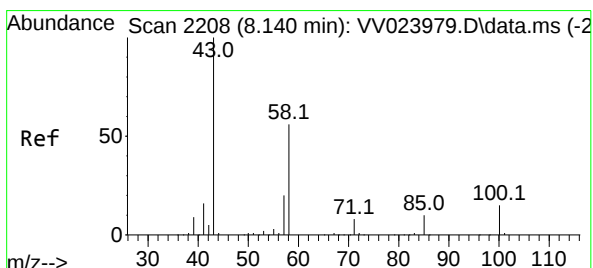
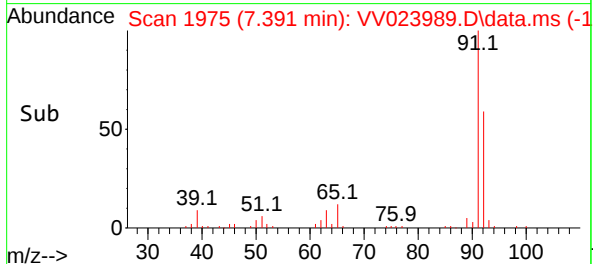
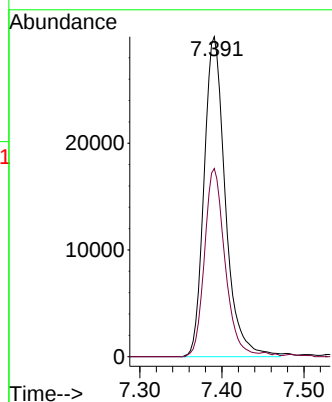
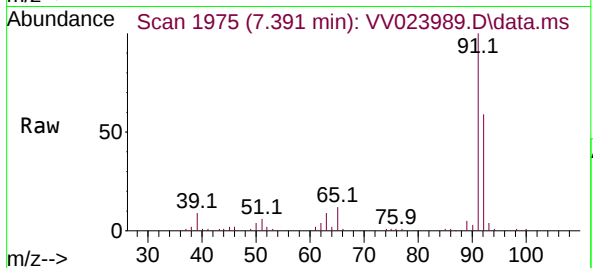
BG3D9

Tgt Ion: 91 Resp: 54012

Ion Ratio Lower Upper

91 100

92 58.8 41.5 77.1



#48

2-Hexanone

Concen: 2.776 ug/L

RT: 8.091 min Scan# 2193

Delta R.T. -0.048 min

Lab File: VV023989.D

Acq: 15 Dec 2021 18:26

Tgt Ion: 43 Resp: 6643

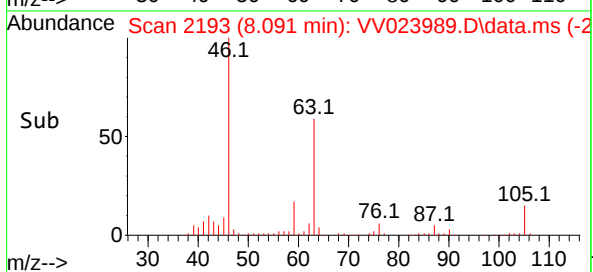
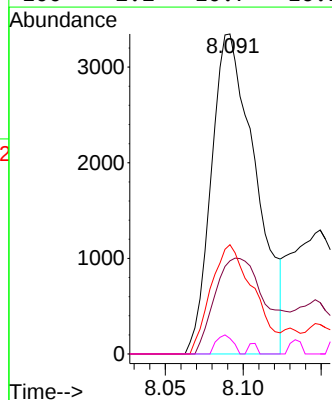
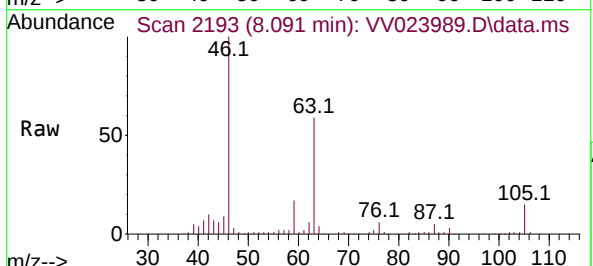
Ion Ratio Lower Upper

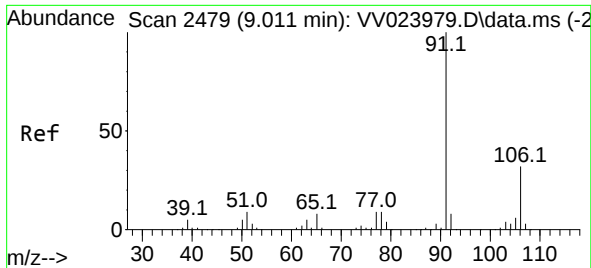
43 100

58 35.6 44.5 66.7#

57 33.3 15.1 22.7#

100 2.2 10.7 16.1#

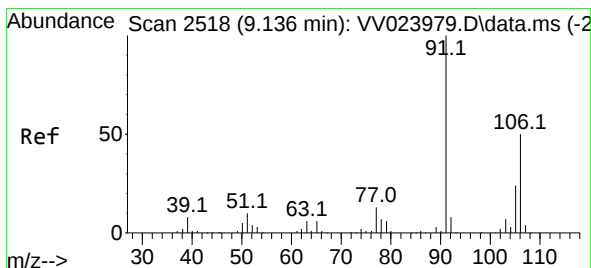
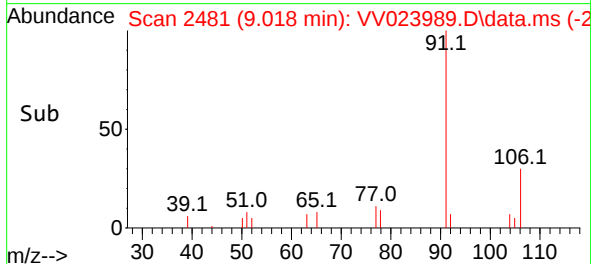
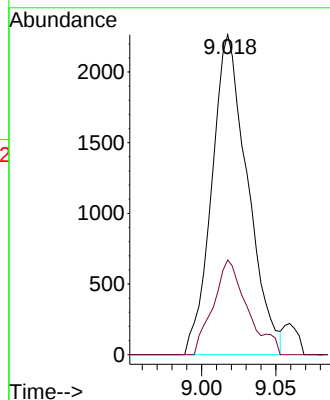
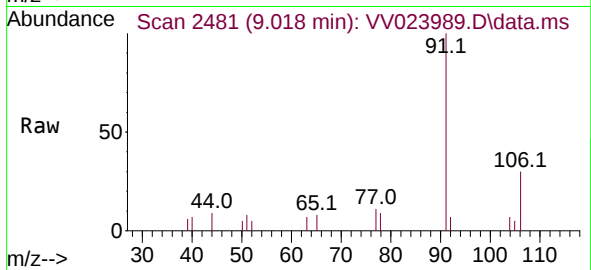




#52
Ethylbenzene
Concen: 0.110 ug/L
RT: 9.018 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VV023989.D
Acq: 15 Dec 2021 18:26

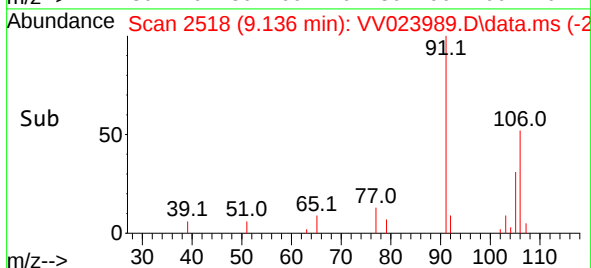
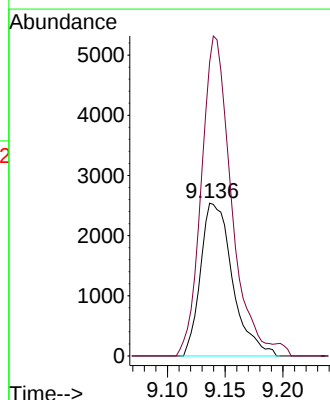
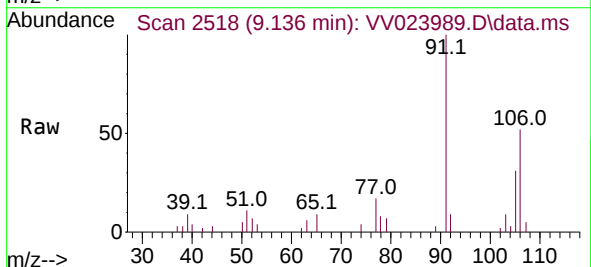
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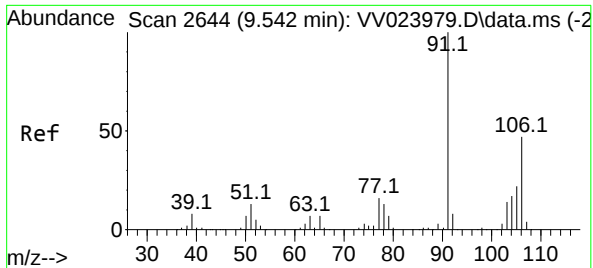
Tgt Ion: 91 Resp: 3787
Ion Ratio Lower Upper
91 100
106 29.6 22.0 41.0



#53
m,p-xylene
Concen: 0.360 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV023989.D
Acq: 15 Dec 2021 18:26

Tgt Ion: 106 Resp: 4883
Ion Ratio Lower Upper
106 100
91 192.3 139.5 259.1

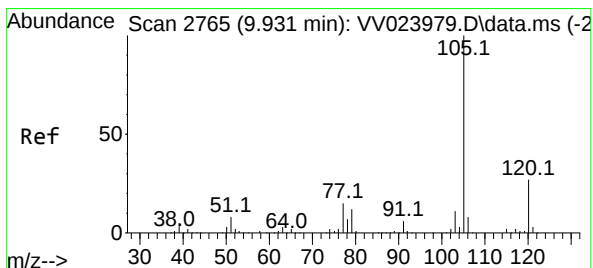
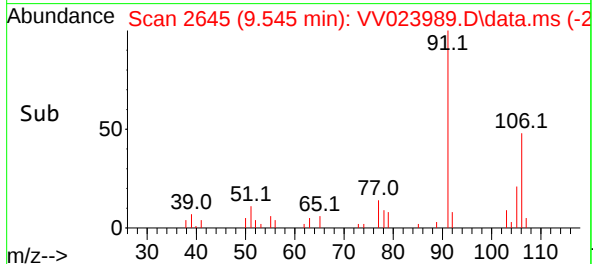
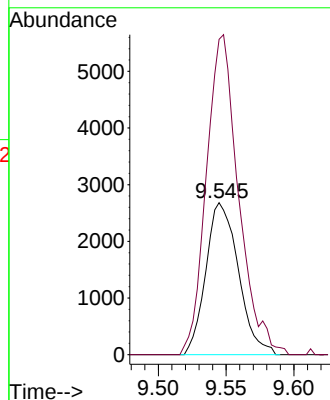
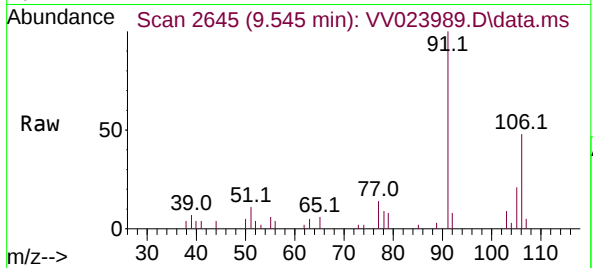




#54
o-xylene
Concen: 0.341 ug/L
RT: 9.545 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV023989.D
Acq: 15 Dec 2021 18:26

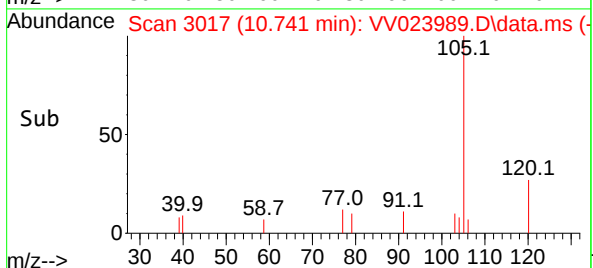
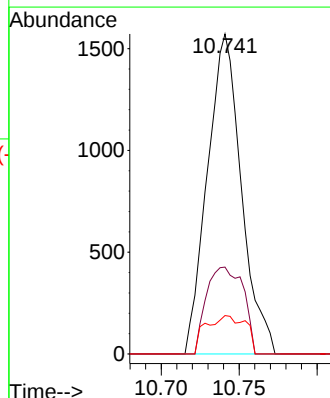
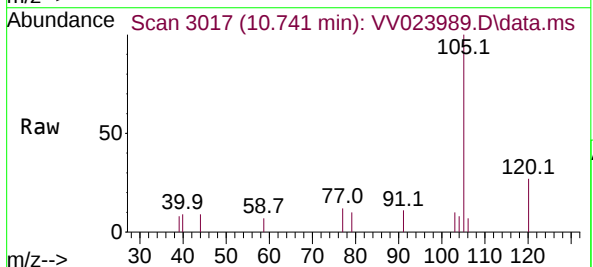
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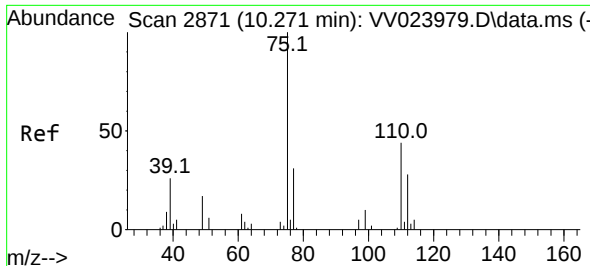
Tgt Ion:106 Resp: 4482
Ion Ratio Lower Upper
106 100
91 207.4 147.9 274.7



#60
Isopropylbenzene
Concen: 0.077 ug/L
RT: 10.741 min Scan# 3017
Delta R.T. 0.810 min
Lab File: VV023989.D
Acq: 15 Dec 2021 18:26

Tgt Ion:105 Resp: 2377
Ion Ratio Lower Upper
105 100
120 29.4 21.4 32.0
77 14.0 12.2 18.4

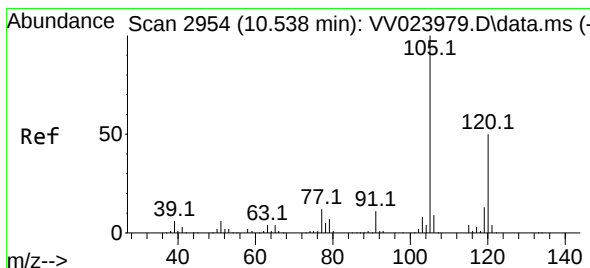
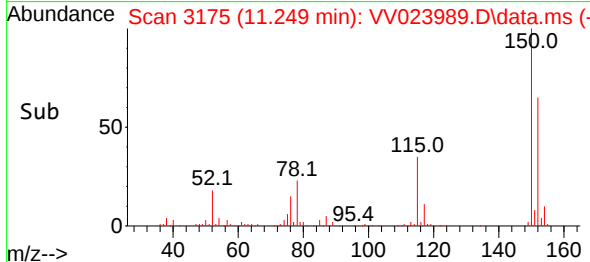
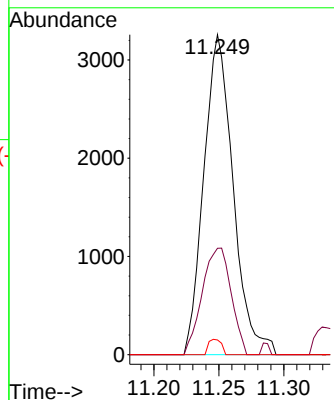
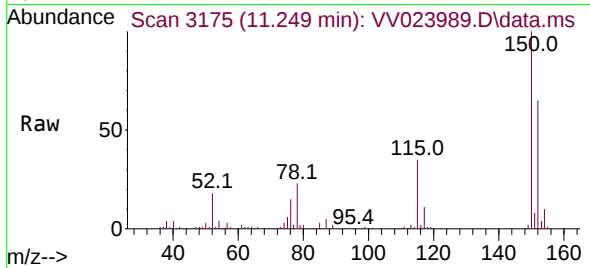




#61
1,2,3-Trichloropropane
Concen: 1.428 ug/L
RT: 11.249 min Scan# 311
Delta R.T. 0.977 min
Lab File: VV023989.D
Acq: 15 Dec 2021 18:26

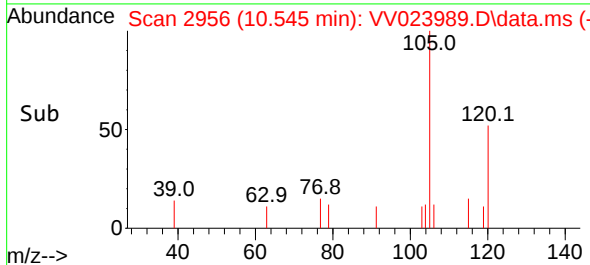
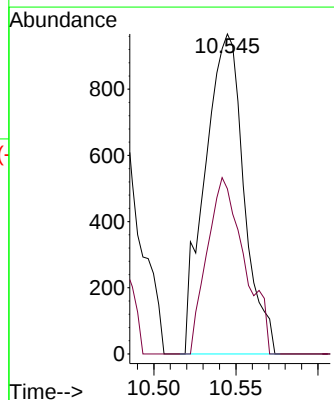
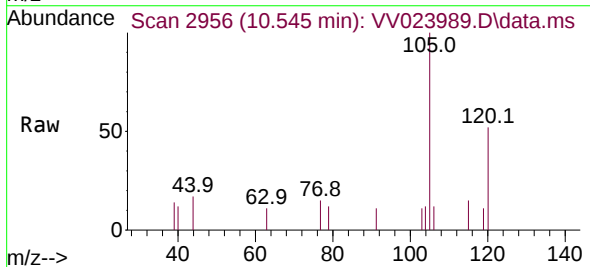
Instrument :
MSVOA_V
ClientSampleId :
BG3D9

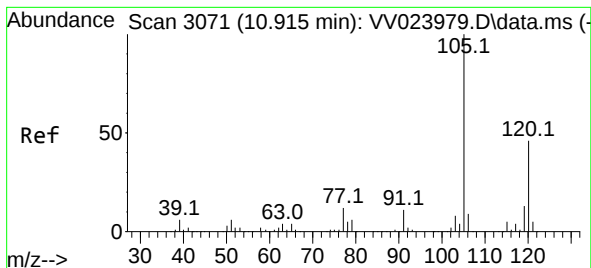
Tgt Ion: 75 Resp: 5113
Ion Ratio Lower Upper
75 100
77 32.8 26.4 39.6
110 2.1 34.2 51.2#



#62
1,3,5-Trimethylbenzene
Concen: 0.062 ug/L
RT: 10.545 min Scan# 2956
Delta R.T. 0.006 min
Lab File: VV023989.D
Acq: 15 Dec 2021 18:26

Tgt Ion: 105 Resp: 1597
Ion Ratio Lower Upper
105 100
120 52.7 40.1 60.1





#63

1,2,4-Trimethylbenzene

Concen: 0.274 ug/L

RT: 10.918 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV023989.D

Acq: 15 Dec 2021 18:26

Instrument :

MSVOA_V

ClientSampleId :

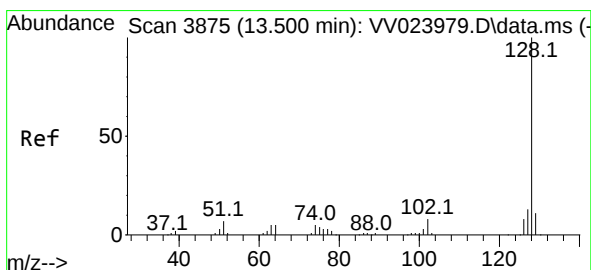
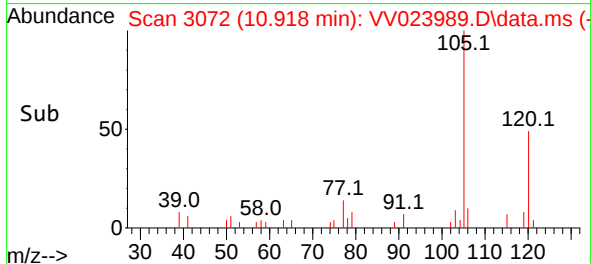
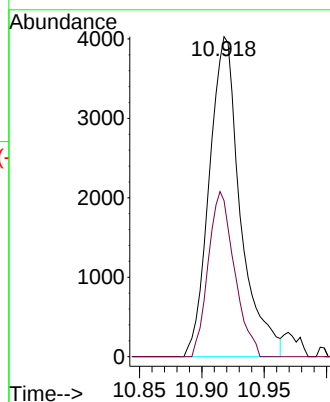
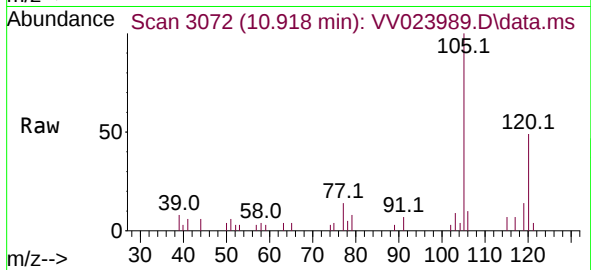
BG3D9

Tgt Ion:105 Resp: 6994

Ion Ratio Lower Upper

105 100

120 43.5 36.7 55.1



#71

Naphthalene

Concen: 0.134 ug/L

RT: 13.513 min Scan# 3879

Delta R.T. 0.013 min

Lab File: VV023989.D

Acq: 15 Dec 2021 18:26

Tgt Ion:128 Resp: 1965

Ion Ratio Lower Upper

128 100

129 7.4 9.0 13.4#

127 9.7 10.2 15.4#

