

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121521\
 Data File : VW023993.D
 Acq On : 15 Dec 2021 20:02
 Operator : SY/MD
 Sample : M4971-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3E8

Quant Time: Dec 16 04:52:35 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)

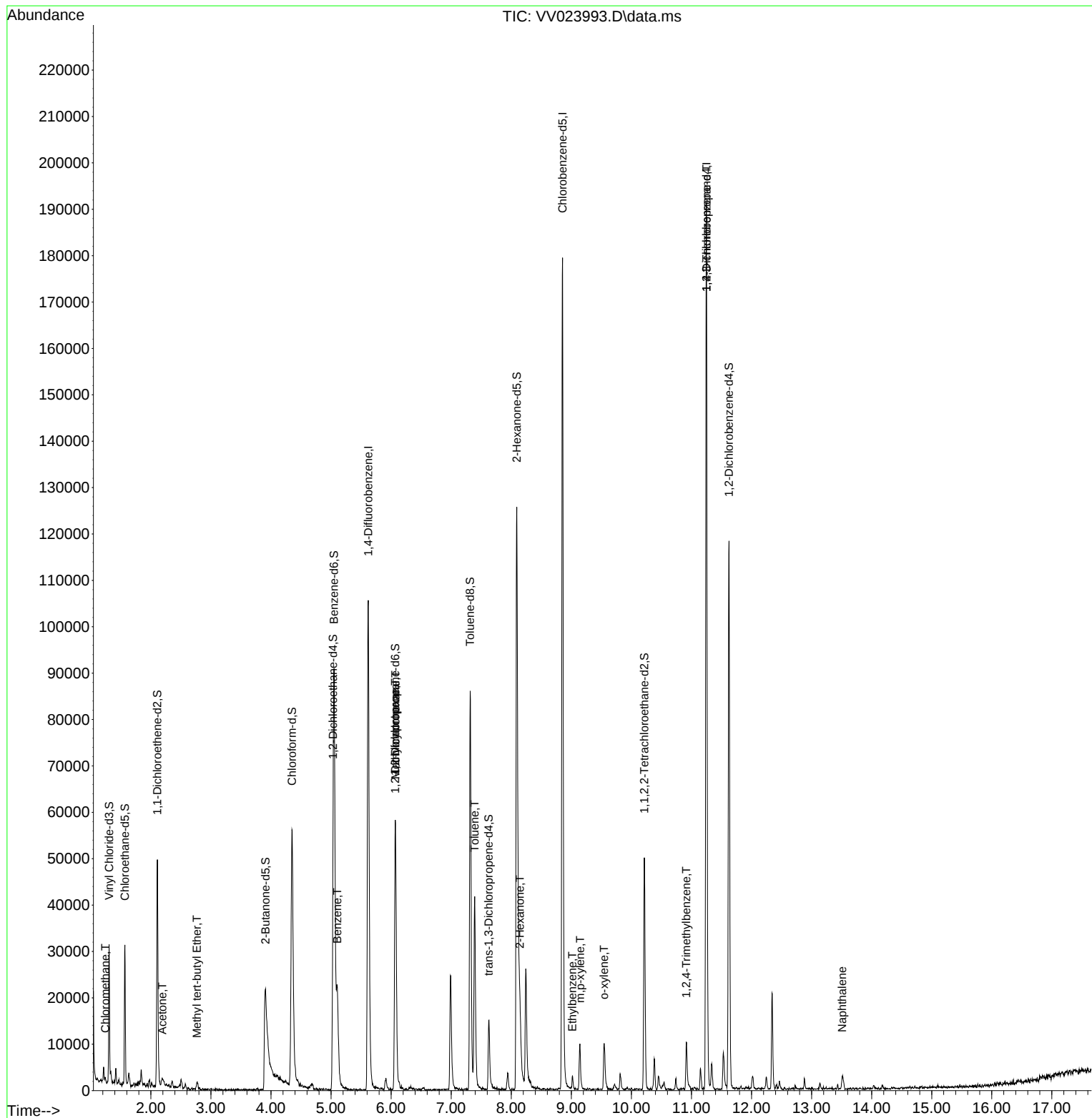
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	96985	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	102347	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	52717	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	16293	3.125	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	62.400%	
7) Chloroethane-d5	1.568	69	17627	4.052	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	81.000%	
11) 1,1-Dichloroethene-d2	2.108	63	23945	2.353	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	47.000%#	
20) 2-Butanone-d5	3.908	46	51463	50.522	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	101.040%	
24) Chloroform-d	4.349	84	51391	4.352	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.000%	
26) 1,2-Dichloroethane-d4	5.034	65	26185	4.762	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	95.200%	
32) Benzene-d6	5.050	84	77939	3.845	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	76.800%	
36) 1,2-Dichloropropane-d6	6.069	67	27385	4.478	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	89.600%	
41) Toluene-d8	7.317	98	58678	3.215	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	64.400%#	
43) trans-1,3-Dichloroprop...	7.625	79	9164	3.612	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	72.200%	
46) 2-Hexanone-d5	8.091	63	50512	44.473	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	88.940%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	22877	4.509	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	90.200%	
66) 1,2-Dichlorobenzene-d4	11.625	152	31589	4.486	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	89.800%	
Target Compounds						Qvalue
3) Chloromethane	1.243	50	624	0.087	ug/L	88
13) Acetone	2.191	43	3172	3.892	ug/L	87
17) Methyl tert-butyl Ether	2.767	73	1421	0.097	ug/L #	86
33) Benzene	5.104	78	21355	0.738	ug/L	100
35) Methylcyclohexane	6.072	83	7545	0.628	ug/L #	18
37) 1,2-Dichloropropane	6.066	63	3519	0.511	ug/L #	84
42) Toluene	7.391	91	31135	0.956	ug/L	94
48) 2-Hexanone	8.143	43	5409	2.257	ug/L #	79
52) Ethylbenzene	9.018	91	2164	0.063	ug/L	91
53) m,p-xylene	9.146	106	2891	0.213	ug/L	90
54) o-xylene	9.545	106	2664	0.203	ug/L	78
61) 1,2,3-Trichloropropane	11.249	75	5511	1.535	ug/L #	64
63) 1,2,4-Trimethylbenzene	10.915	105	6018	0.235	ug/L	94
71) Naphthalene	13.509	128	2142	0.146	ug/L #	88

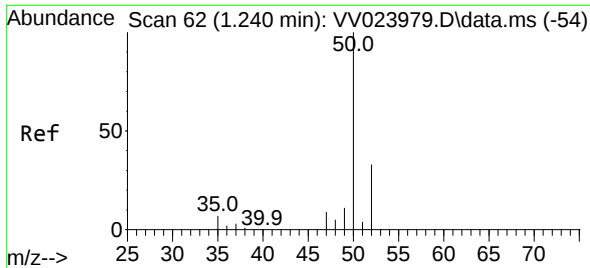
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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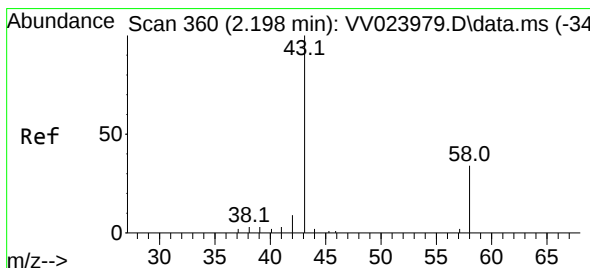
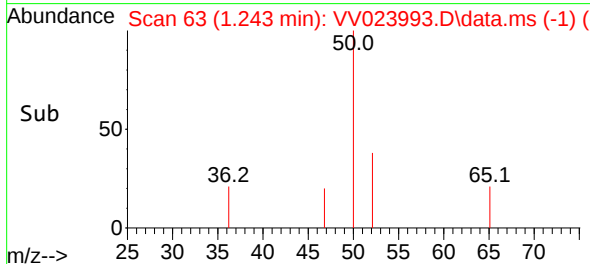
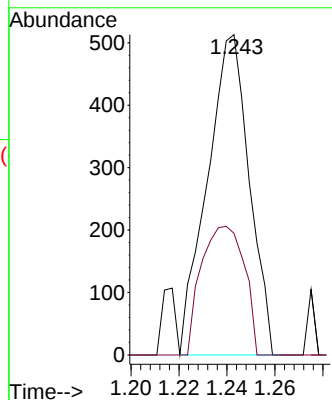
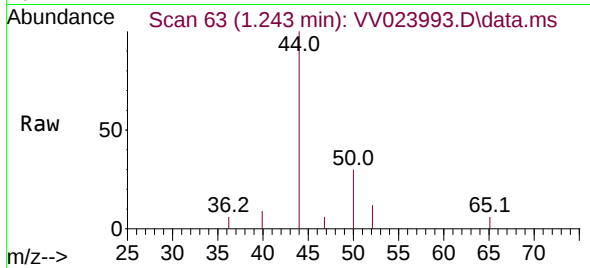




#3
Chloromethane
Concen: 0.087 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023993.D
Acq: 15 Dec 2021 20:02

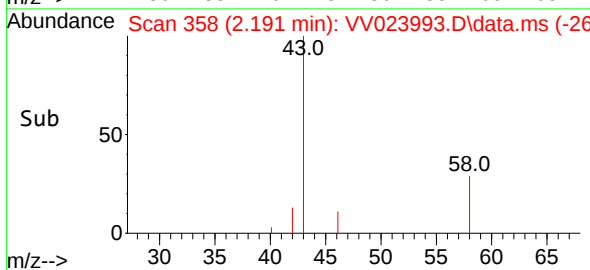
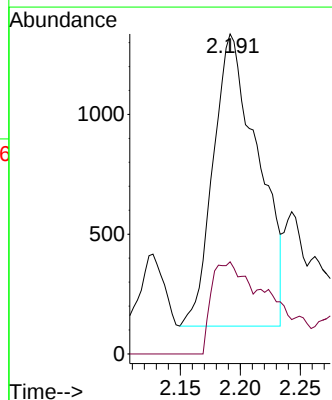
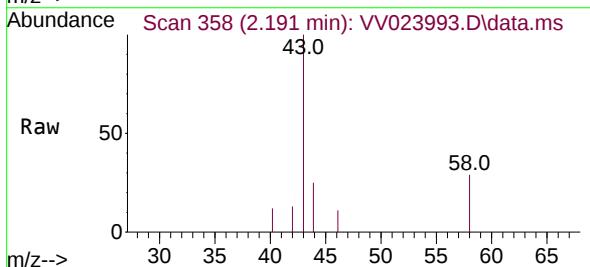
Instrument :
MSVOA_V
ClientSampleId :
BG3E8

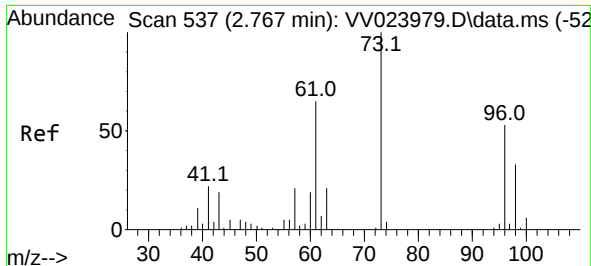
Tgt Ion: 50 Resp: 624
Ion Ratio Lower Upper
50 100
52 38.0 22.0 41.0



#13
Acetone
Concen: 3.892 ug/L
RT: 2.191 min Scan# 358
Delta R.T. -0.006 min
Lab File: VV023993.D
Acq: 15 Dec 2021 20:02

Tgt Ion: 43 Resp: 3172
Ion Ratio Lower Upper
43 100
58 26.6 0.0 41.4

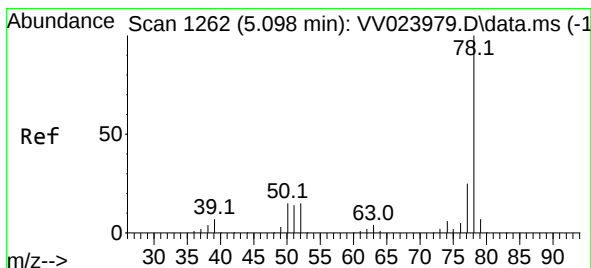
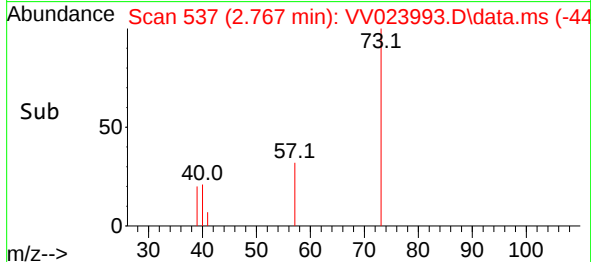
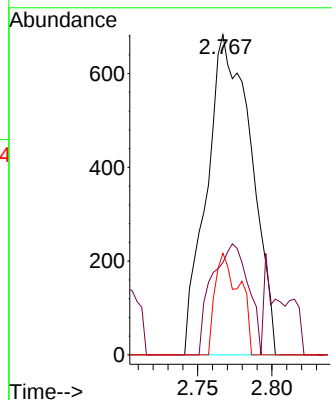
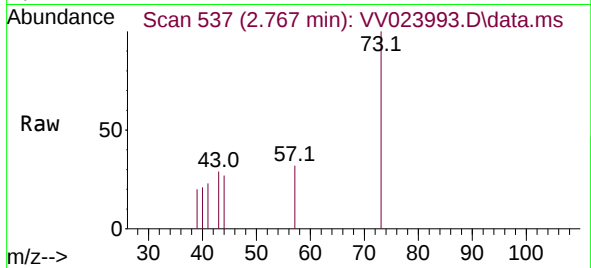




#17
Methyl tert-butyl Ether
Concen: 0.097 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV023993.D
Acq: 15 Dec 2021 20:02

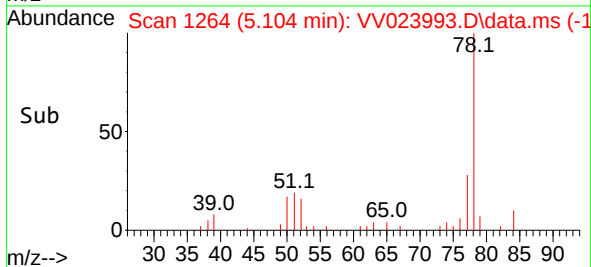
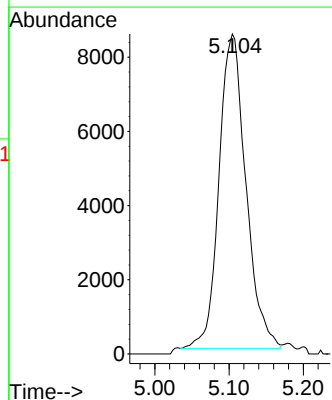
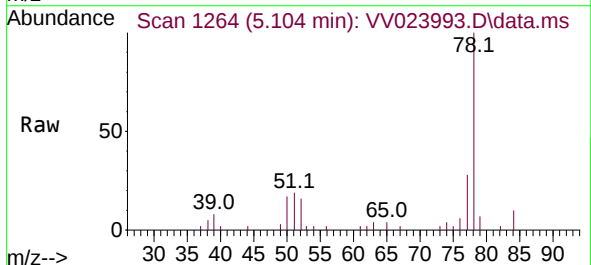
Instrument :
MSVOA_V
ClientSampleId :
BG3E8

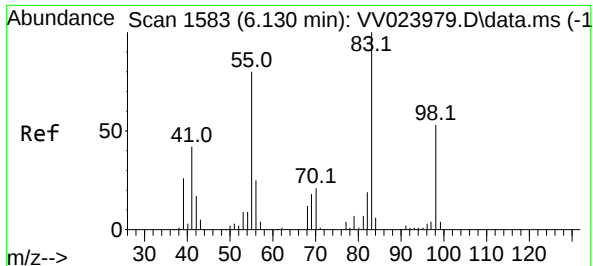
Tgt Ion: 73 Resp: 1421
Ion Ratio Lower Upper
73 100
43 28.4 15.5 23.3#
57 17.4 17.1 25.7



#33
Benzene
Concen: 0.738 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VV023993.D
Acq: 15 Dec 2021 20:02

Tgt Ion: 78 Resp: 21355





#35

Methylcyclohexane

Concen: 0.628 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV023993.D

Acq: 15 Dec 2021 20:02

Instrument :

MSVOA_V

ClientSampleId :

BG3E8

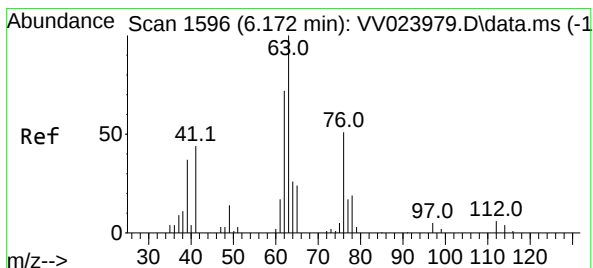
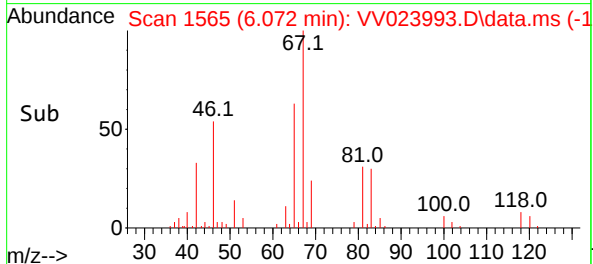
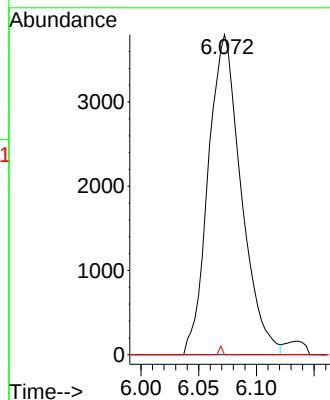
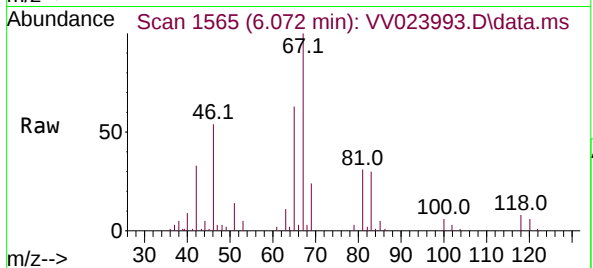
Tgt Ion: 83 Resp: 7545

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.2#

98 0.3 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.511 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.106 min

Lab File: VV023993.D

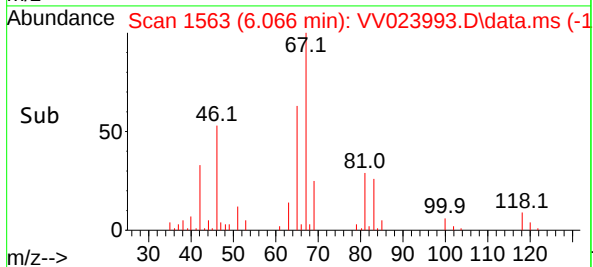
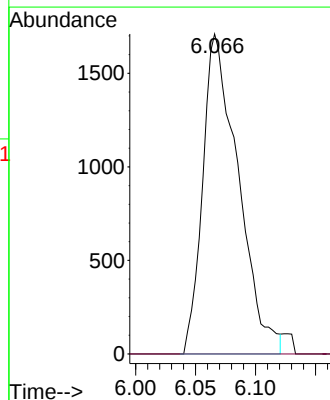
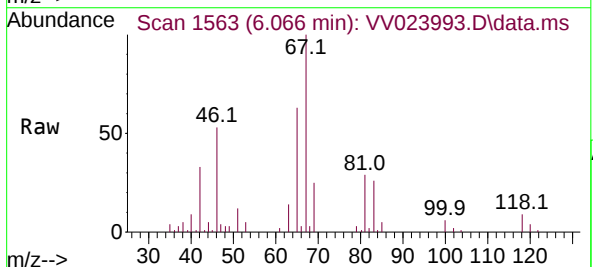
Acq: 15 Dec 2021 20:02

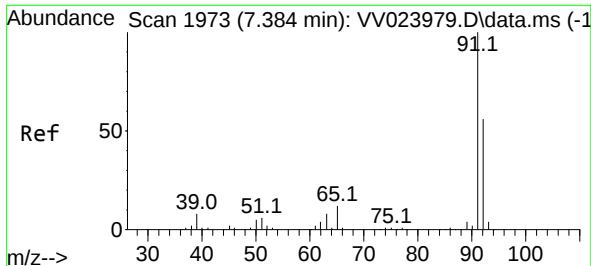
Tgt Ion: 63 Resp: 3519

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#42

Toluene

Concen: 0.956 ug/L

RT: 7.391 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VV023993.D

Acq: 15 Dec 2021 20:02

Instrument :

MSVOA_V

ClientSampleId :

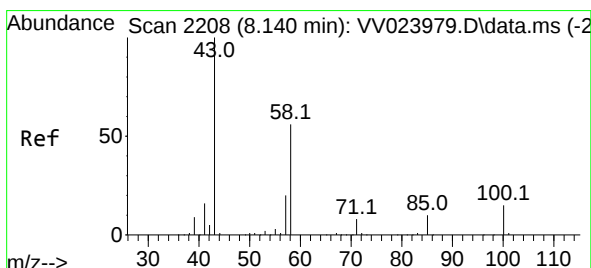
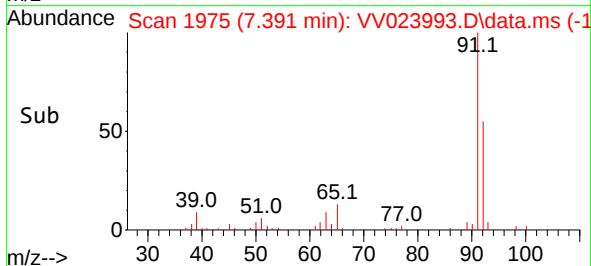
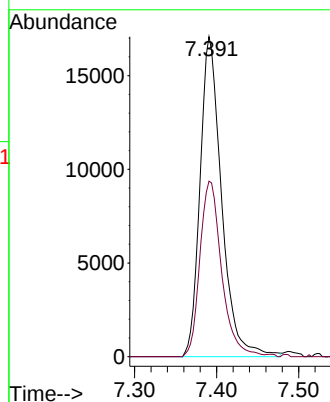
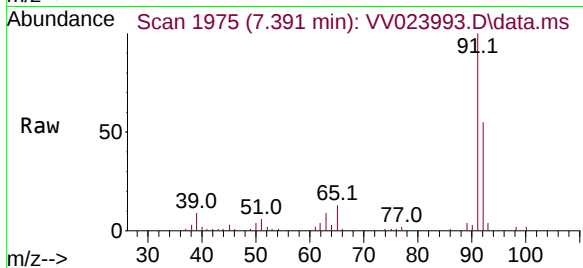
BG3E8

Tgt Ion: 91 Resp: 31135

Ion Ratio Lower Upper

91 100

92 54.9 41.5 77.1



#48

2-Hexanone

Concen: 2.257 ug/L

RT: 8.143 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VV023993.D

Acq: 15 Dec 2021 20:02

Tgt Ion: 43 Resp: 5409

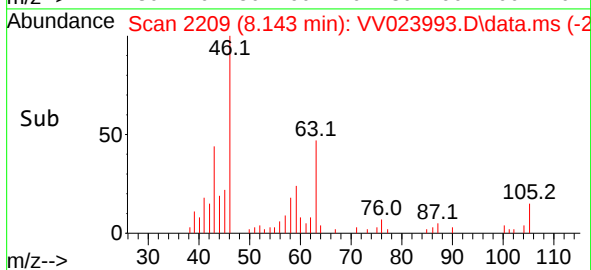
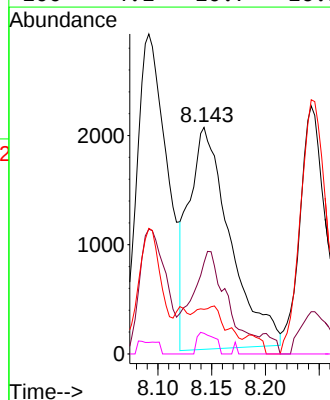
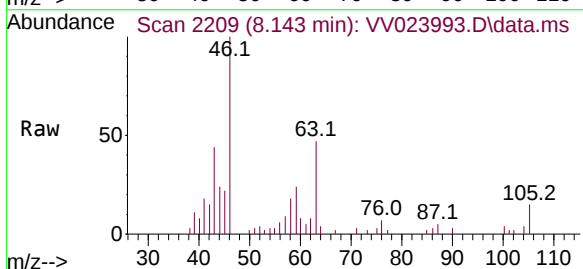
Ion Ratio Lower Upper

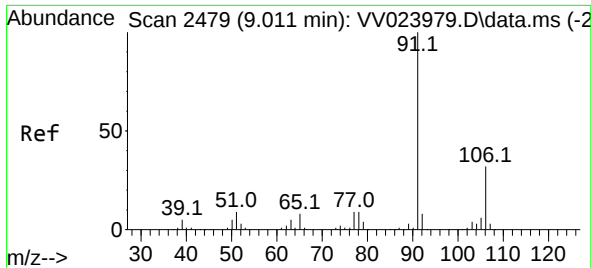
43 100

58 40.8 44.5 66.7#

57 8.9 15.1 22.7#

100 4.1 10.7 16.1#





#52

Ethylbenzene

Concen: 0.063 ug/L

RT: 9.018 min Scan# 2479

Delta R.T. 0.006 min

Lab File: VV023993.D

Acq: 15 Dec 2021 20:02

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ClientSampleId :

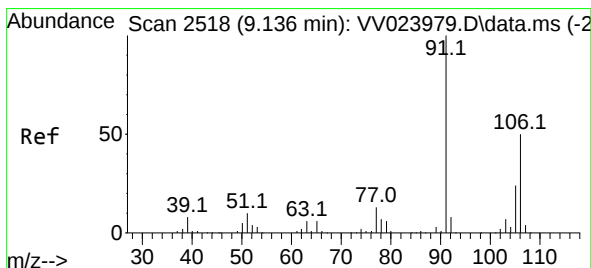
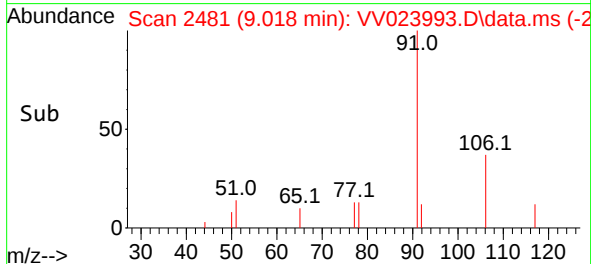
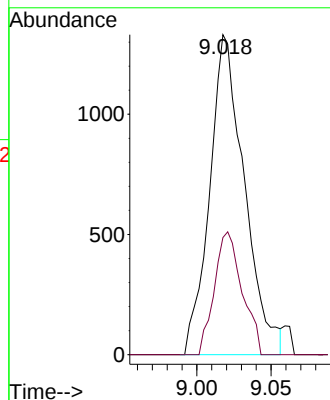
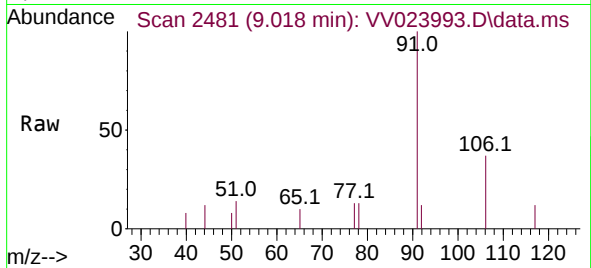
BG3E8

Tgt Ion: 91 Resp: 2164

Ion Ratio Lower Upper

91 100

106 36.6 22.0 41.0



#53

m,p-xylene

Concen: 0.213 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.010 min

Lab File: VV023993.D

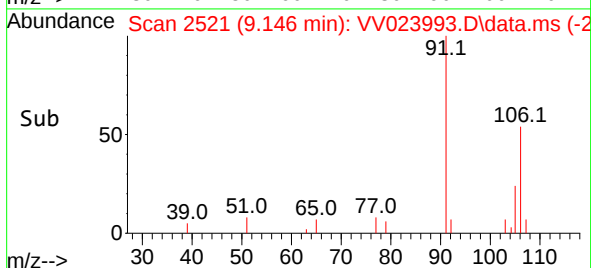
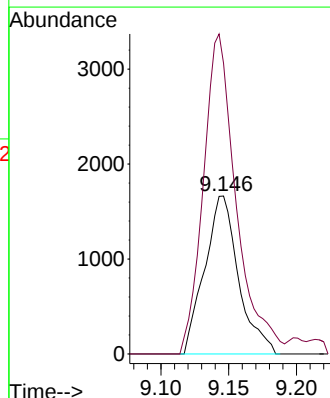
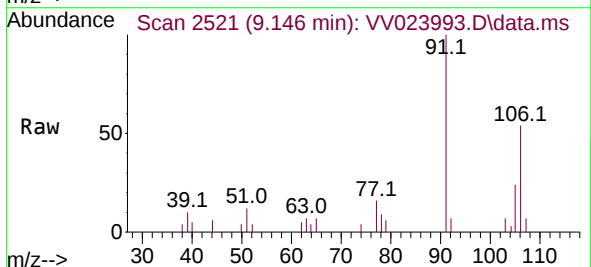
Acq: 15 Dec 2021 20:02

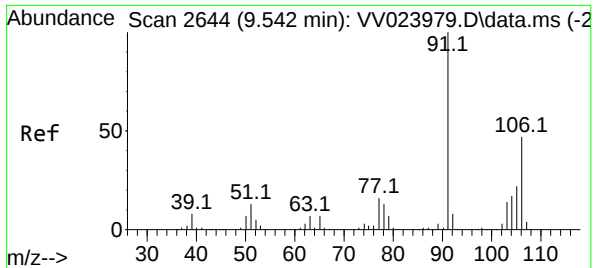
Tgt Ion: 106 Resp: 2891

Ion Ratio Lower Upper

106 100

91 184.1 139.5 259.1

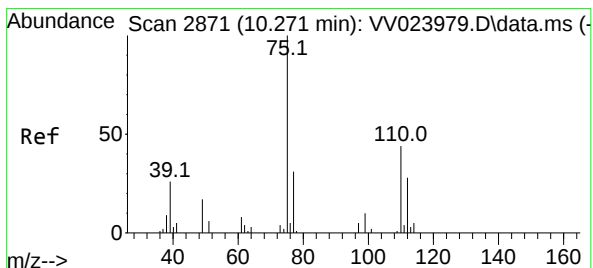
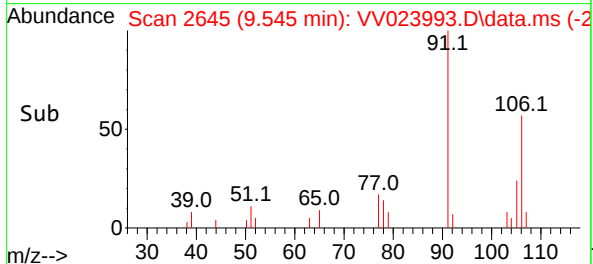
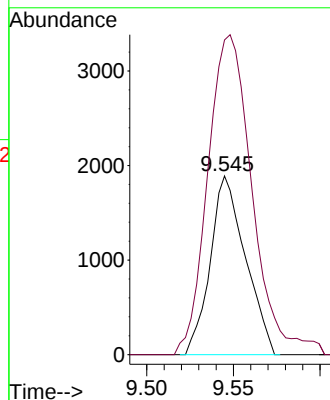
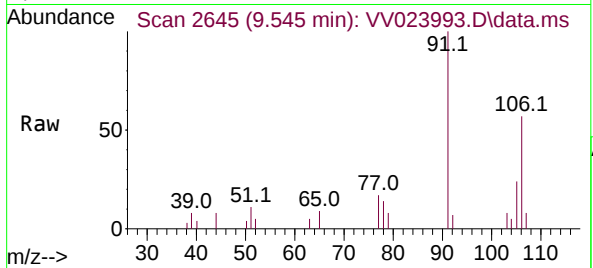




#54
o-xylene
Concen: 0.203 ug/L
RT: 9.545 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023993.D
Acq: 15 Dec 2021 20:02

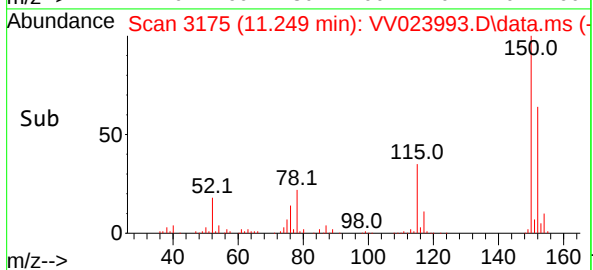
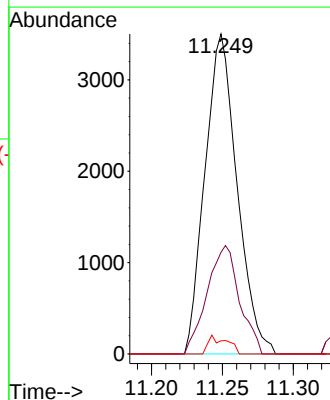
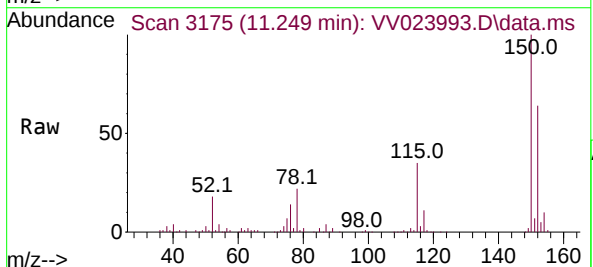
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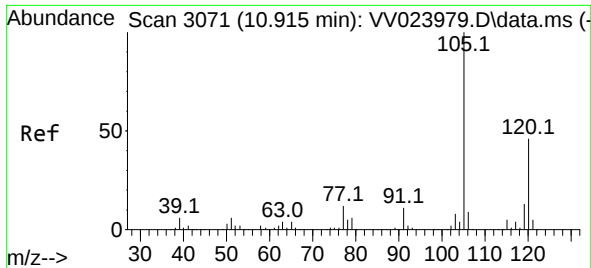
Tgt Ion:106 Resp: 2664
Ion Ratio Lower Upper
106 100
91 176.1 147.9 274.7



#61
1,2,3-Trichloropropane
Concen: 1.535 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV023993.D
Acq: 15 Dec 2021 20:02

Tgt Ion: 75 Resp: 5511
Ion Ratio Lower Upper
75 100
77 34.2 26.4 39.6
110 3.4 34.2 51.2#

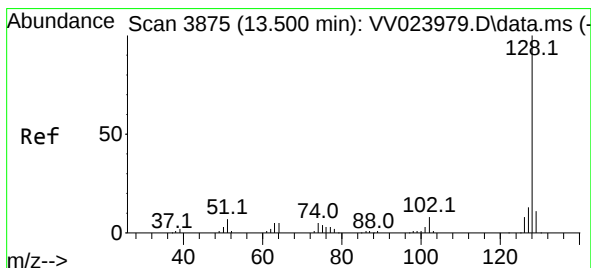
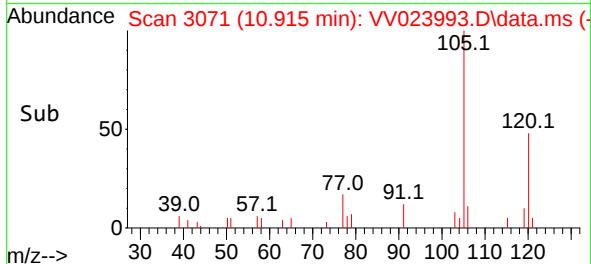
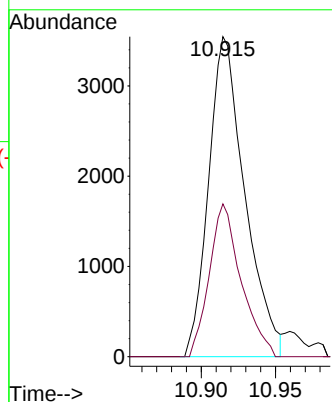
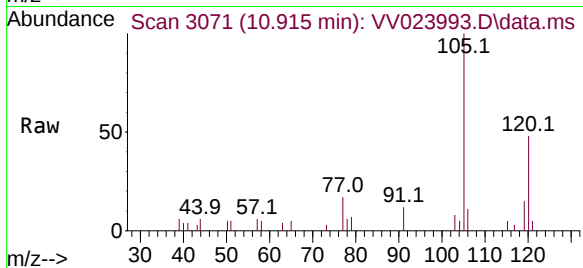




#63
1,2,4-Trimethylbenzene
Concen: 0.235 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. -0.000 min
Lab File: VV023993.D
Acq: 15 Dec 2021 20:02

Instrument :
MSVOA_V
ClientSampleId :
BG3E8

Tgt Ion:105 Resp: 6018
Ion Ratio Lower Upper
105 100
120 41.8 36.7 55.1



#71
Naphthalene
Concen: 0.146 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.010 min
Lab File: VV023993.D
Acq: 15 Dec 2021 20:02

Tgt Ion:128 Resp: 2142
Ion Ratio Lower Upper
128 100
129 6.8 9.0 13.4#
127 8.3 10.2 15.4#

