

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121521\
 Data File : VW023986.D
 Acq On : 15 Dec 2021 17:14
 Operator : SY/MD
 Sample : M4971-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3E6

Quant Time: Dec 16 04:50:51 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)

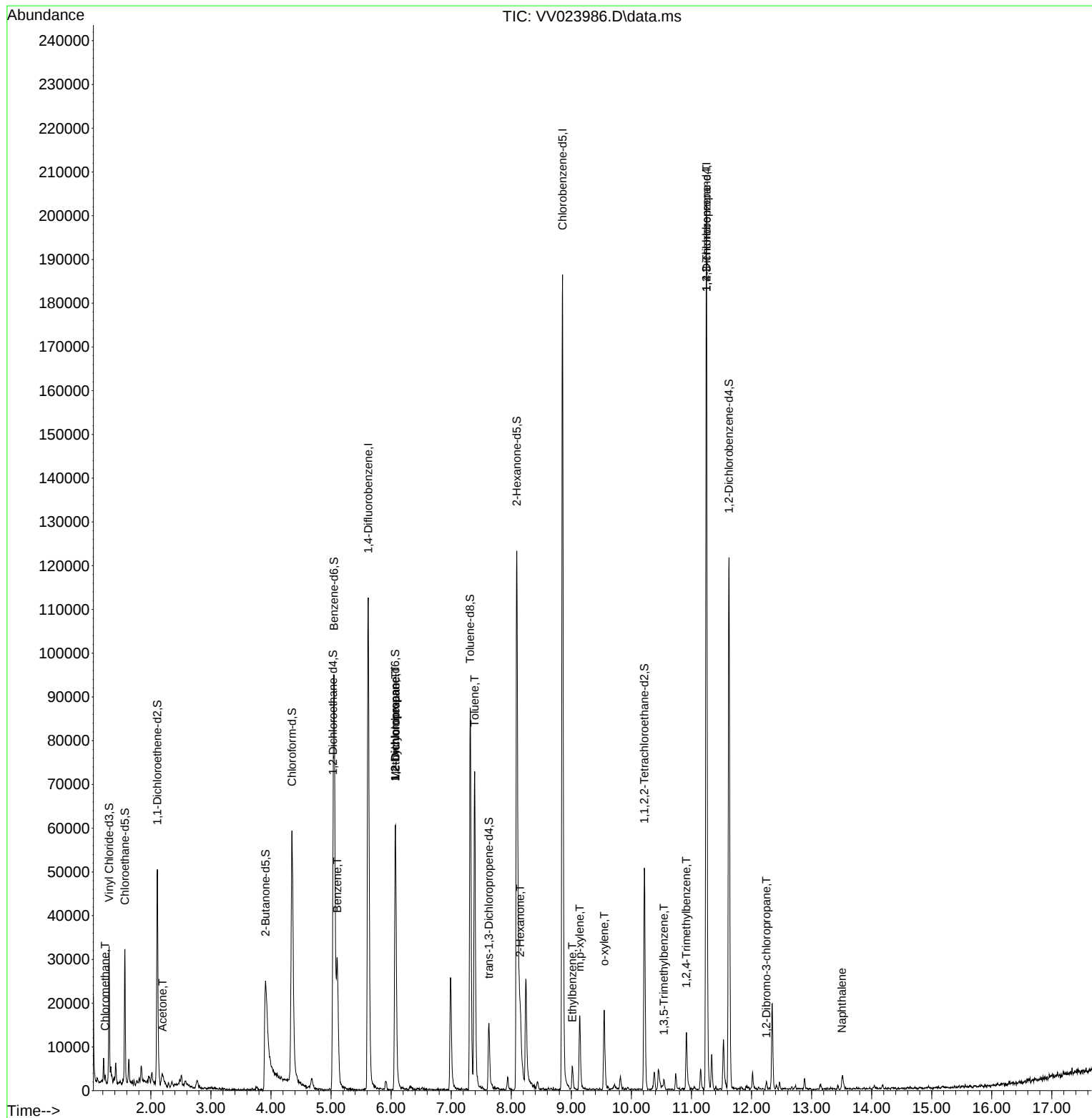
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	101838	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	107783	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	54417	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	17010	3.107	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.200%
7) Chloroethane-d5	1.568	69	17845	3.907	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.200%
11) 1,1-Dichloroethene-d2	2.108	63	24227	2.267	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.400%#
20) 2-Butanone-d5	3.908	46	42648	39.873	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.740%
24) Chloroform-d	4.349	84	52667	4.247	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	5.034	65	25821	4.472	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.050	84	81413	3.814	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.200%
36) 1,2-Dichloropropane-d6	6.069	67	27298	4.238	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.800%
41) Toluene-d8	7.317	98	60229	3.134	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.600%#
43) trans-1,3-Dichloroprop...	7.628	79	9373	3.508	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.200%
46) 2-Hexanone-d5	8.091	63	51614	43.151	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.300%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24115	4.513	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	32850	4.519	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						Qvalue
3) Chloromethane	1.240	50	834	0.110	ug/L	99
13) Acetone	2.195	43	6230	7.280	ug/L	80
33) Benzene	5.101	78	28682	0.941	ug/L	100
35) Methylcyclohexane	6.072	83	7397	0.584	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	3471	0.479	ug/L #	84
42) Toluene	7.391	91	54775	1.596	ug/L	100
48) 2-Hexanone	8.146	43	3559	1.410	ug/L #	86
52) Ethylbenzene	9.018	91	3930	0.109	ug/L	100
53) m,p-xylene	9.140	106	5533	0.386	ug/L	98
54) o-xylene	9.548	106	4922	0.355	ug/L	91
61) 1,2,3-Trichloropropane	11.249	75	5872	1.584	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.538	105	1639	0.062	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	7996	0.303	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.246	75	70	0.086	ug/L #	1
71) Naphthalene	13.506	128	2225	0.147	ug/L #	95

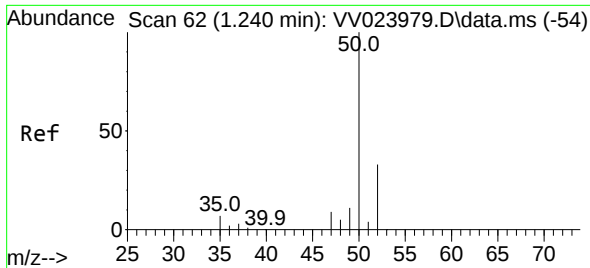
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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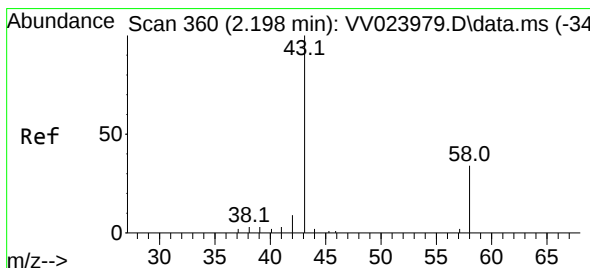
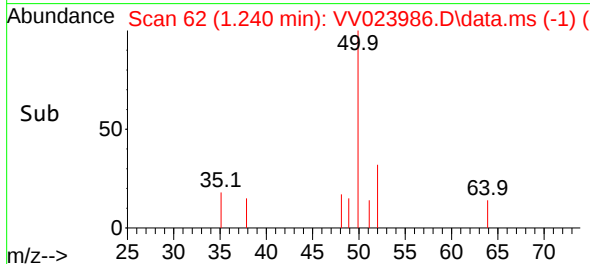
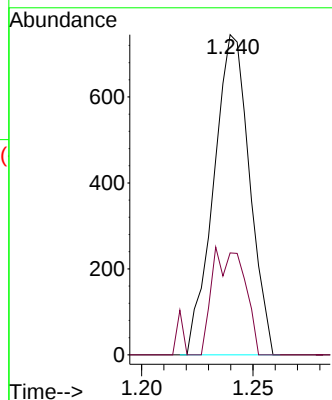
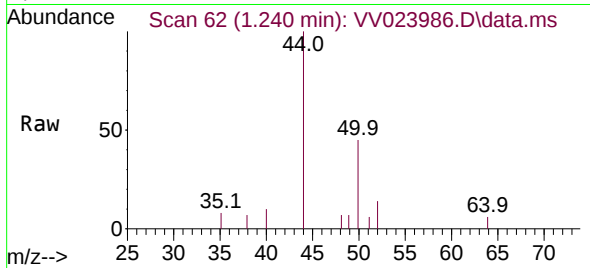




#3
Chloromethane
Concen: 0.110 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV023986.D
Acq: 15 Dec 2021 17:14

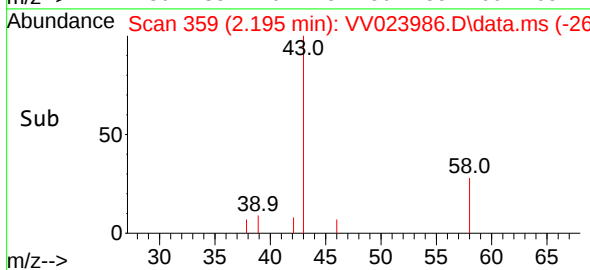
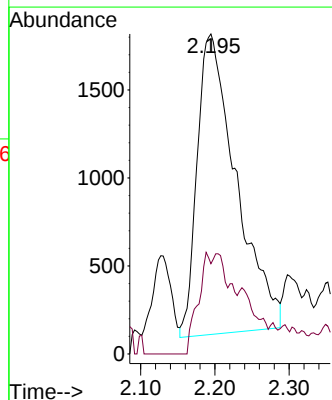
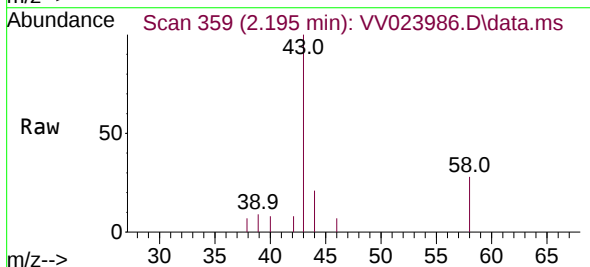
Instrument :
MSVOA_V
ClientSampleId :
BG3E6

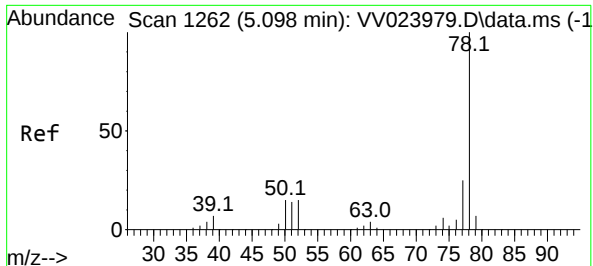
Tgt Ion: 50 Resp: 834
Ion Ratio Lower Upper
50 100
52 31.8 22.0 41.0



#13
Acetone
Concen: 7.280 ug/L
RT: 2.195 min Scan# 359
Delta R.T. -0.003 min
Lab File: VV023986.D
Acq: 15 Dec 2021 17:14

Tgt Ion: 43 Resp: 6230
Ion Ratio Lower Upper
43 100
58 11.3 0.0 41.4

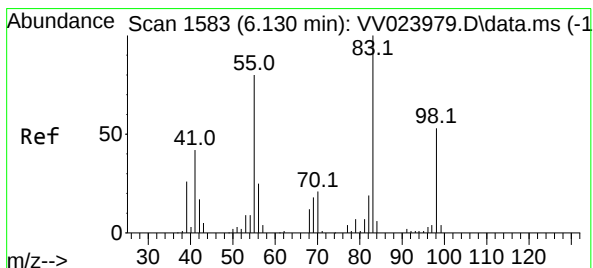
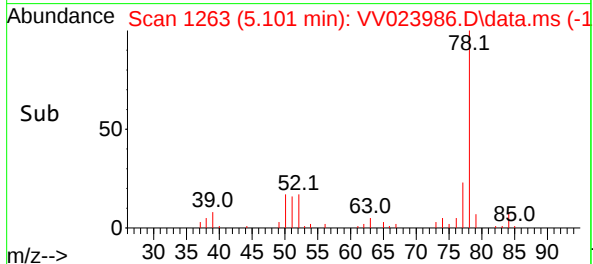
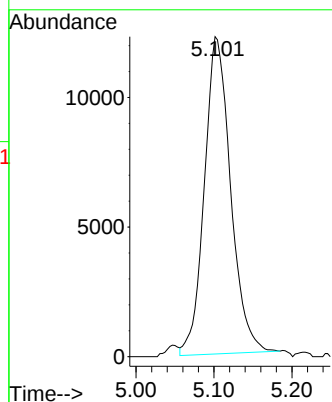
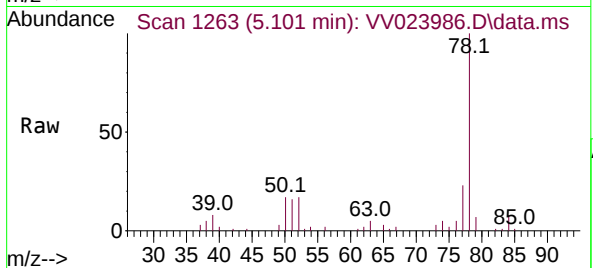




#33
Benzene
Concen: 0.941 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023986.D
Acq: 15 Dec 2021 17:14

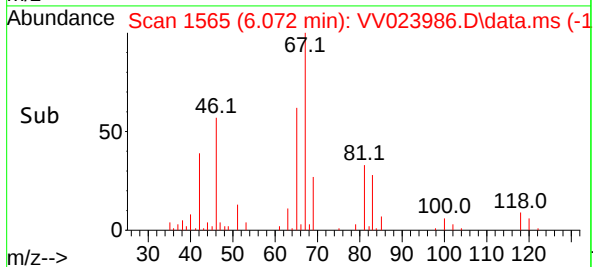
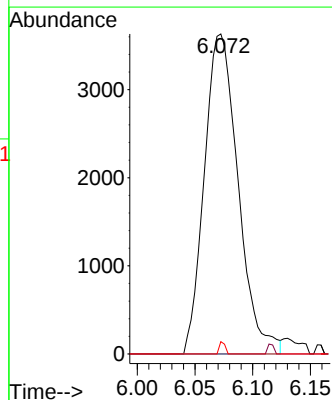
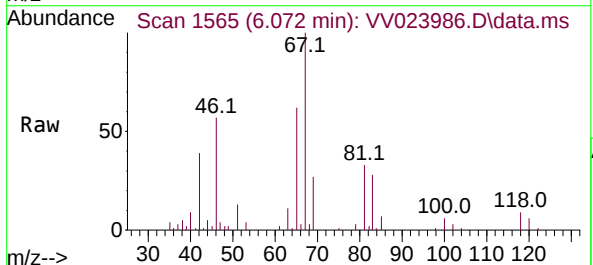
Instrument :
MSVOA_V
ClientSampleId :
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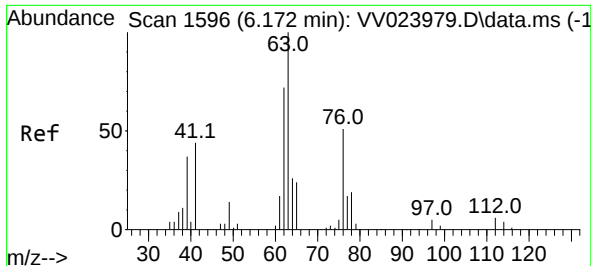
Tgt Ion: 78 Resp: 28682



#35
Methylcyclohexane
Concen: 0.584 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV023986.D
Acq: 15 Dec 2021 17:14

Tgt Ion: 83 Resp: 7397
Ion Ratio Lower Upper
83 100
55 0.6 60.2 90.2#
98 0.6 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.479 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023986.D

Acq: 15 Dec 2021 17:14

Instrument :

MSVOA_V

ClientSampleId :

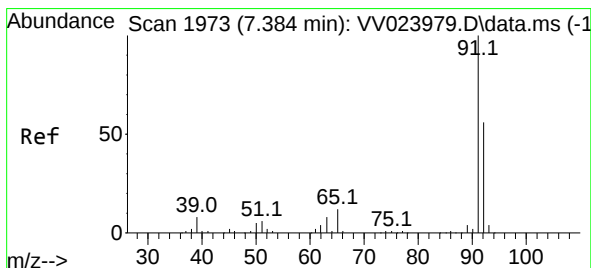
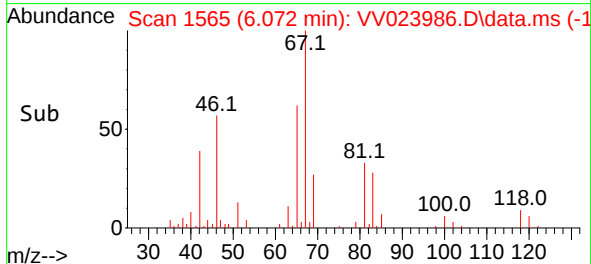
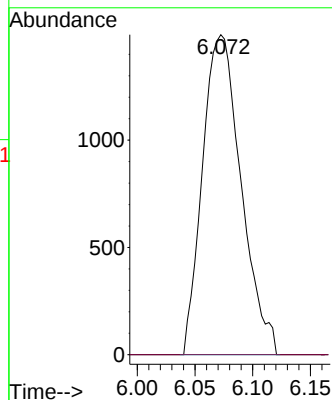
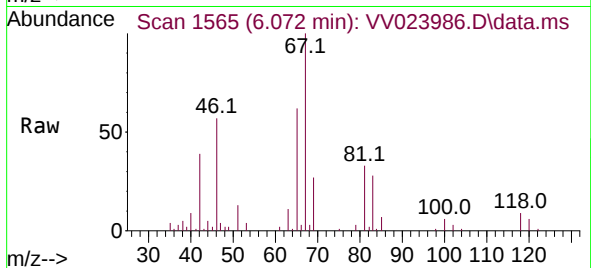
BG3E6

Tgt Ion: 63 Resp: 3471

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#42

Toluene

Concen: 1.596 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.006 min

Lab File: VV023986.D

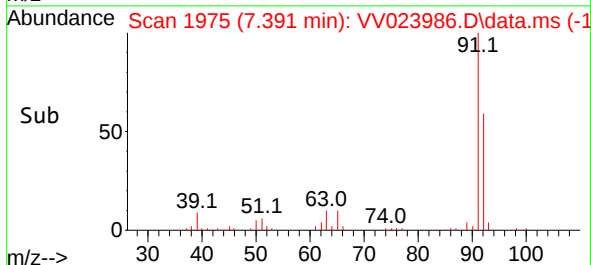
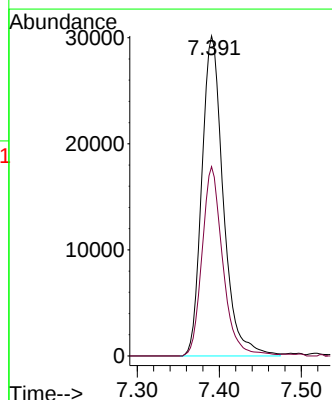
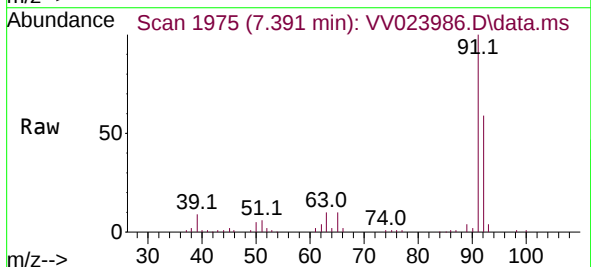
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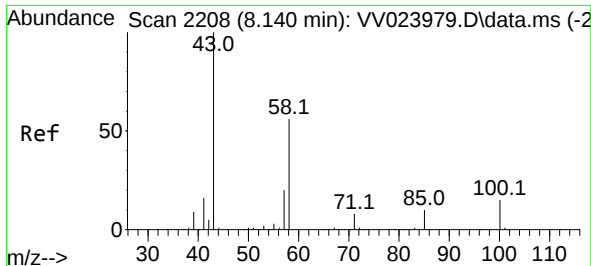
Tgt Ion: 91 Resp: 54775

Ion Ratio Lower Upper

91 100

92 59.1 41.5 77.1

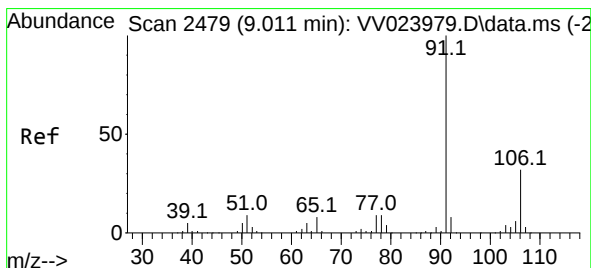
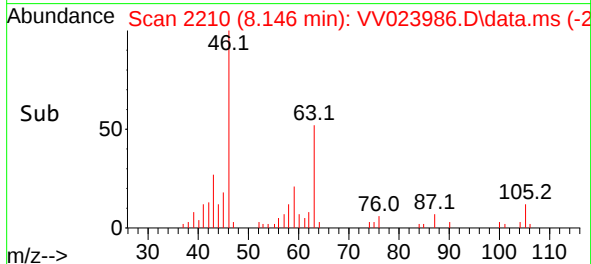
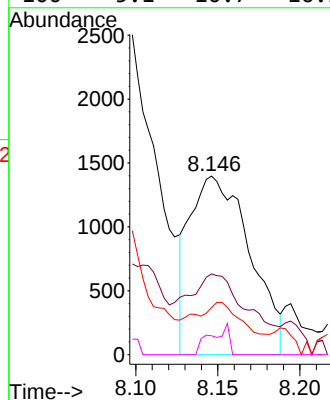
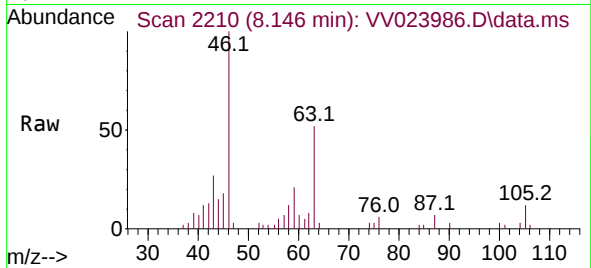




#48
2-Hexanone
Concen: 1.410 ug/L
RT: 8.146 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VV023986.D
Acq: 15 Dec 2021 17:14

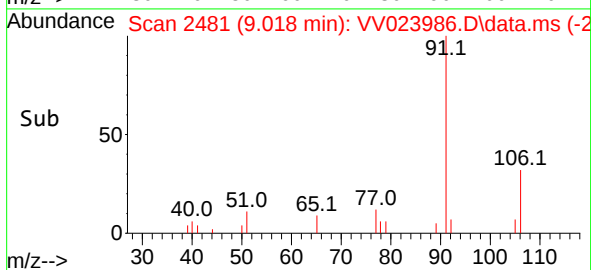
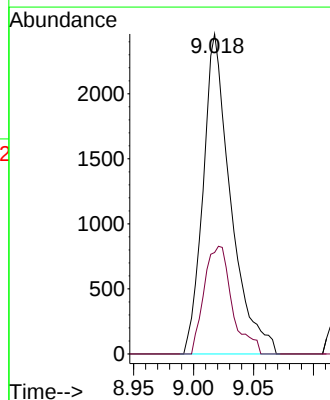
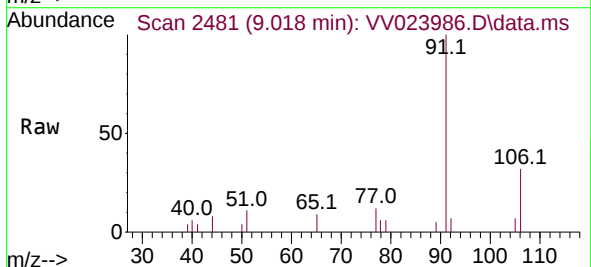
Instrument :
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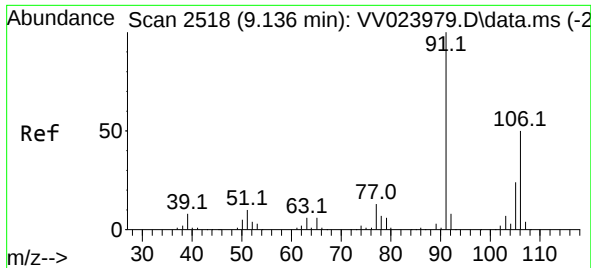
Tgt Ion: 43	Resp: 3559
Ion Ratio	Lower Upper
43	100
58	46.7 44.5 66.7
57	26.3 15.1 22.7#
100	5.1 10.7 16.1#



#52
Ethylbenzene
Concen: 0.109 ug/L
RT: 9.018 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV023986.D
Acq: 15 Dec 2021 17:14

Tgt Ion: 91	Resp: 3930
Ion Ratio	Lower Upper
91	100
106	31.7 22.0 41.0

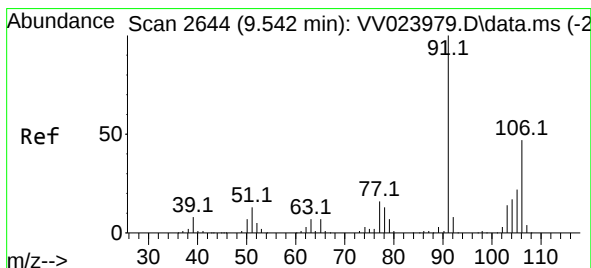
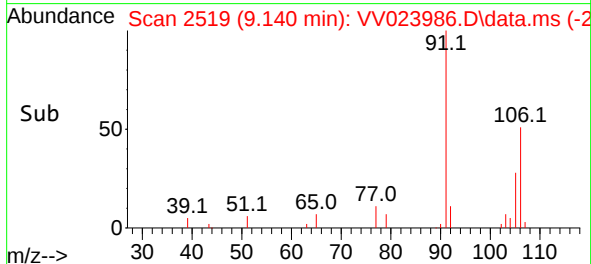
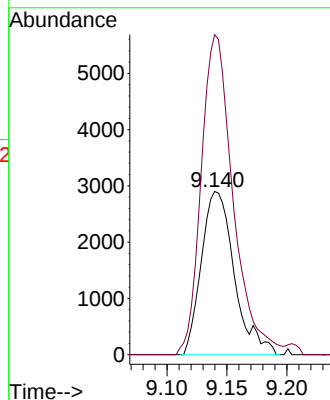
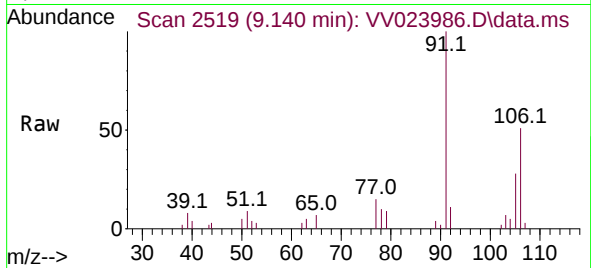




#53
m,p-xylene
Concen: 0.386 ug/L
RT: 9.140 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV023986.D
Acq: 15 Dec 2021 17:14

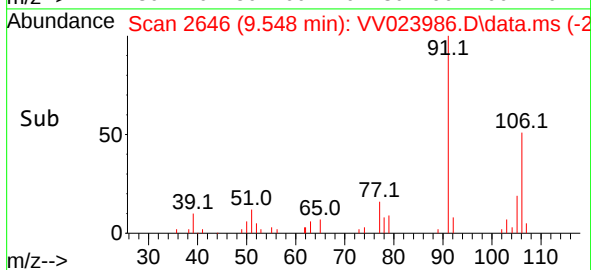
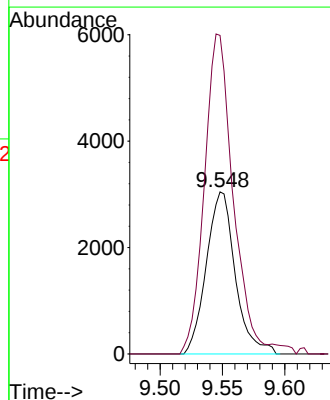
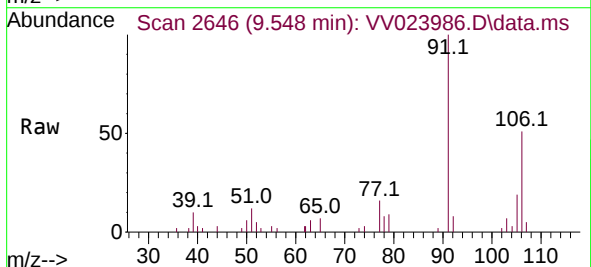
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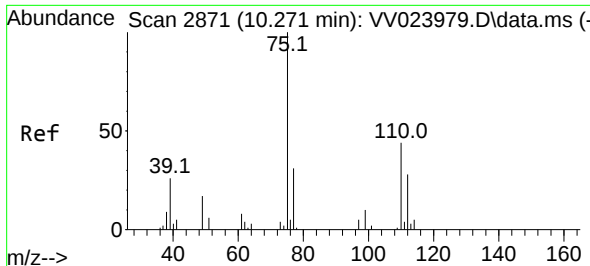
Tgt Ion:106 Resp: 5533
Ion Ratio Lower Upper
106 100
91 196.1 139.5 259.1



#54
o-xylene
Concen: 0.355 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV023986.D
Acq: 15 Dec 2021 17:14

Tgt Ion:106 Resp: 4922
Ion Ratio Lower Upper
106 100
91 196.5 147.9 274.7





#61

1,2,3-Trichloropropane

Concen: 1.584 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023986.D

Acq: 15 Dec 2021 17:14

Instrument :

MSVOA_V

ClientSampleId :

BG3E6

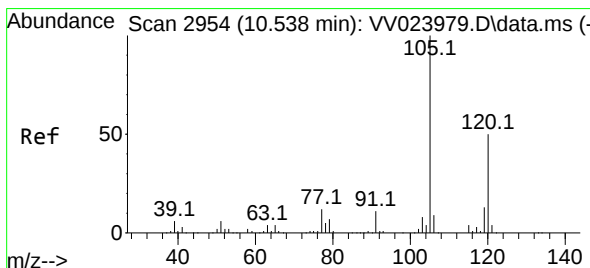
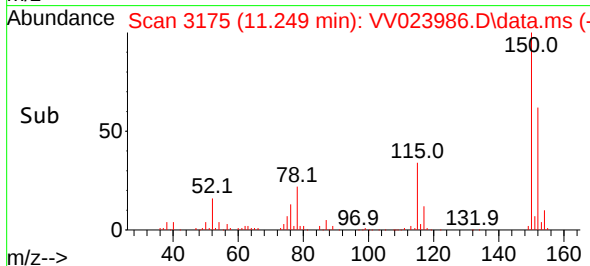
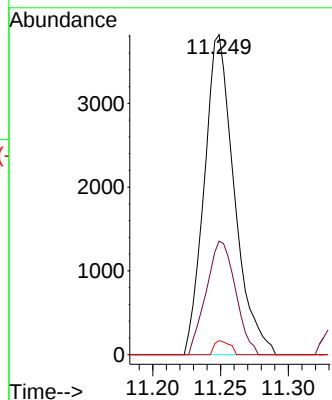
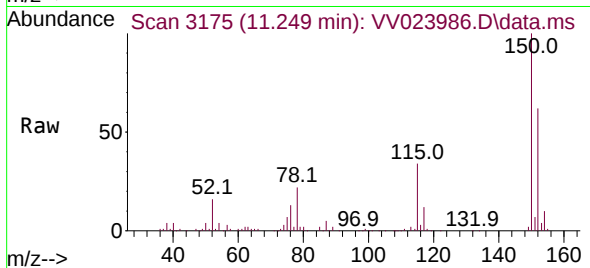
Tgt Ion: 75 Resp: 5872

Ion Ratio Lower Upper

75 100

77 34.7 26.4 39.6

110 2.2 34.2 51.2#



#62

1,3,5-Trimethylbenzene

Concen: 0.062 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV023986.D

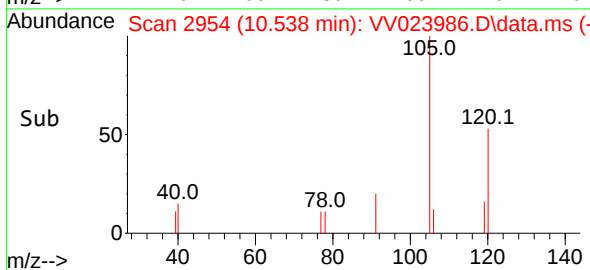
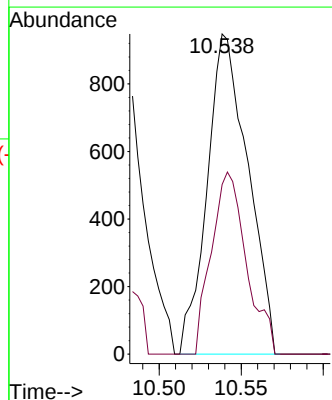
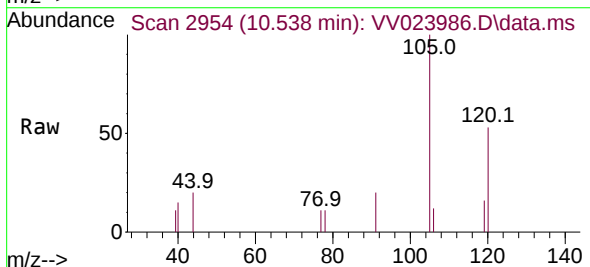
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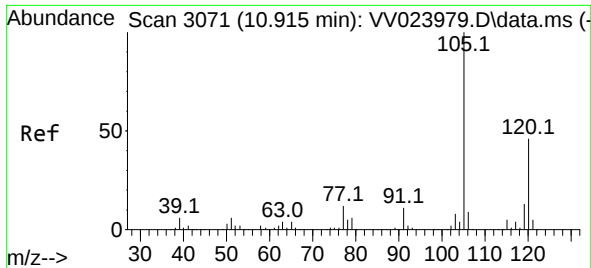
Tgt Ion: 105 Resp: 1639

Ion Ratio Lower Upper

105 100

120 48.8 40.1 60.1

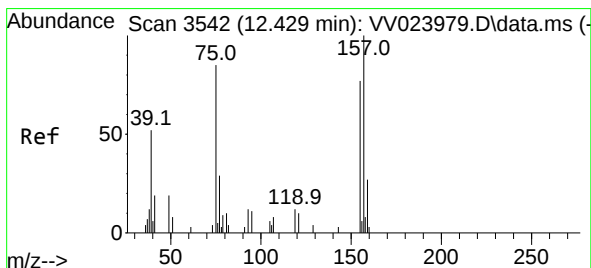
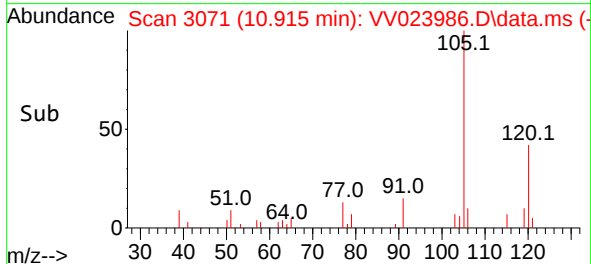
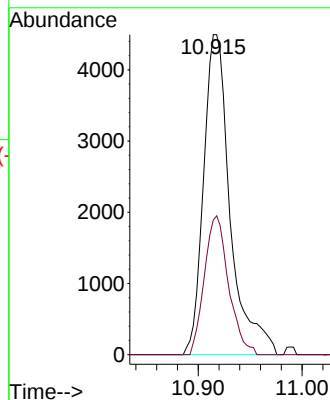
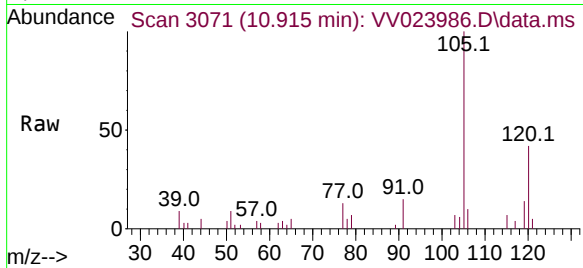




#63
 1,2,4-Trimethylbenzene
 Concen: 0.303 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. -0.000 min
 Lab File: VV023986.D
 Acq: 15 Dec 2021 17:14

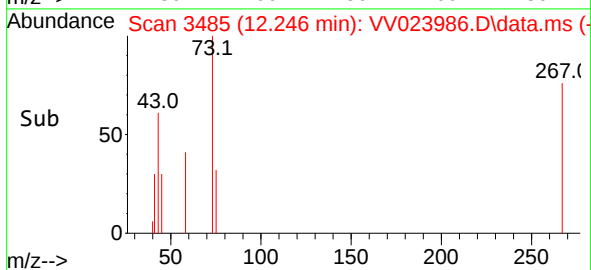
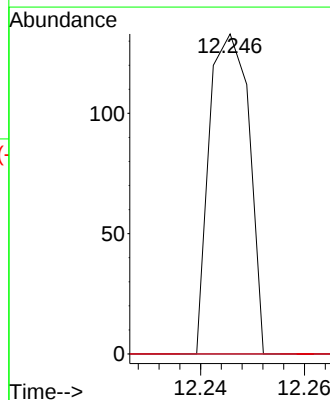
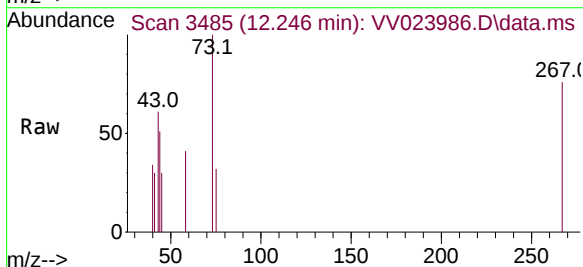
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3E6

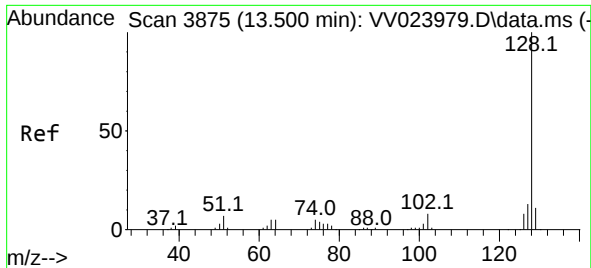
Tgt Ion:105 Resp: 7996
 Ion Ratio Lower Upper
 105 100
 120 39.4 36.7 55.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.086 ug/L
 RT: 12.246 min Scan# 3485
 Delta R.T. -0.183 min
 Lab File: VV023986.D
 Acq: 15 Dec 2021 17:14

Tgt Ion: 75 Resp: 70
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.7 107.5#
 157 0.0 103.3 154.9#





#71

Naphthalene

Concen: 0.147 ug/L

RT: 13.506 min Scan# 3877

Delta R.T. 0.006 min

Lab File: VV023986.D

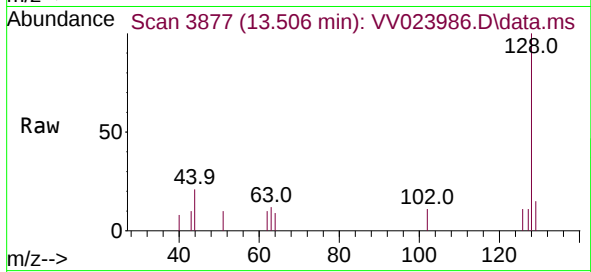
Acq: 15 Dec 2021 17:14

Instrument :

MSVOA_V

ClientSampleId :

BG3E6



Tgt Ion:	128	Resp:	2225
Ion	Ratio	Lower	Upper
128	100		
129	7.1	9.0	13.4#
127	12.5	10.2	15.4

