

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031523\
 Data File : VV030213.D
 Acq On : 15 Mar 2023 15:48
 Operator : SY/MD
 Sample : 01884-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB925

Quant Time: Mar 16 01:52:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 16 01:47:11 2023
 Response via : Initial Calibration

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

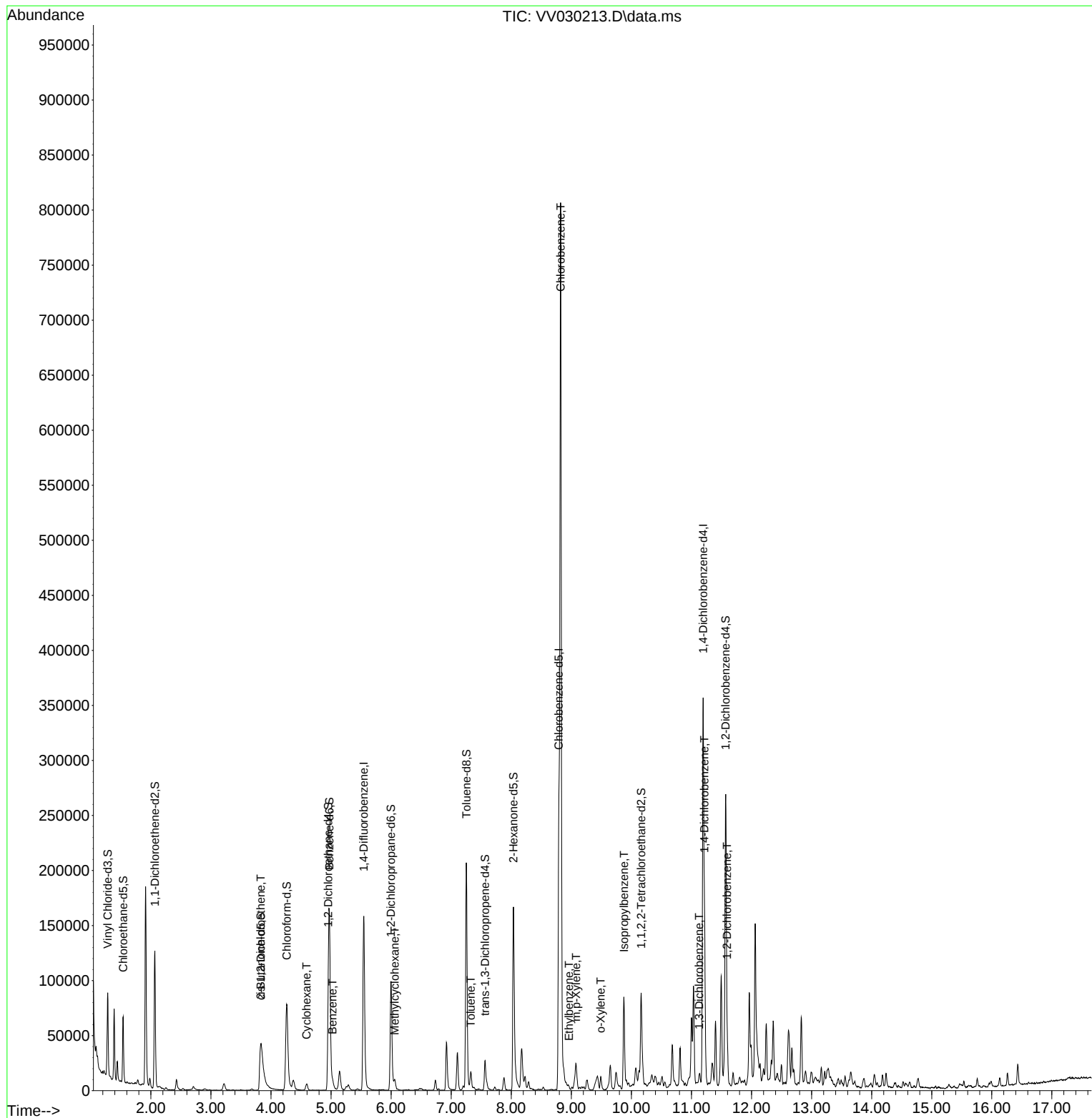
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	147005	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	148219	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	92340	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	43776	4.602	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.000%
7) Chloroethane-d5	1.539	69	40331	4.517	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.066	63	66176	3.384	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.600%
20) 2-Butanone-d5	3.831	46	66638	37.998	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.000%
24) Chloroform-d	4.262	84	88724	4.566	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	4.953	65	38425	4.844	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	4.973	84	163776	4.106	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	5.998	67	52730	4.395	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.252	98	147232	3.895	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	7.564	79	17987	4.382	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.037	63	66138	38.944	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.880%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	40772	4.777	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	69988	4.480	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						Qvalue
22) cis-1,2-Dichloroethene	3.828	96	1503	0.145	ug/L	71
30) Cyclohexane	4.593	56	2936	0.195	ug/L	88
33) Benzene	5.024	78	7027	0.174	ug/L	100
35) Methylcyclohexane	6.059	83	3560	0.207	ug/L	94
42) Toluene	7.326	91	12441	0.284	ug/L	98
51) Chlorobenzene	8.821	112	456030	15.423	ug/L	99
52) Ethylbenzene	8.960	91	2388	0.050	ug/L	100
53) m,p-Xylene	9.082	106	2725	0.149	ug/L	93
54) o-Xylene	9.487	106	2559	0.146	ug/L	93
60) Isopropylbenzene	9.876	105	53149	1.000	ug/L	99
64) 1,3-Dichlorobenzene	11.130	146	2021	0.073	ug/L #	89
65) 1,4-Dichlorobenzene	11.217	146	58881	2.109	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	5741	0.235	ug/L	97

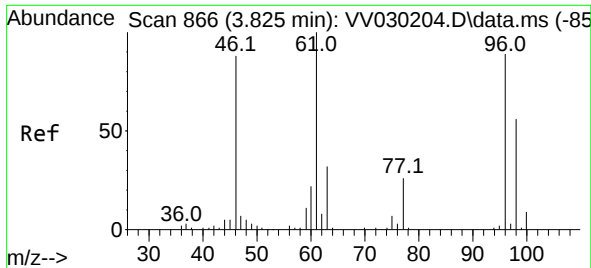
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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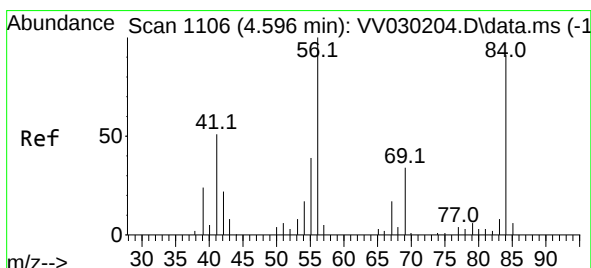
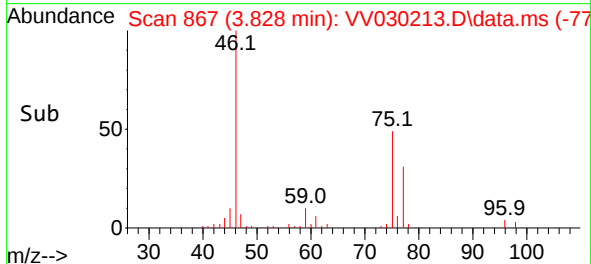
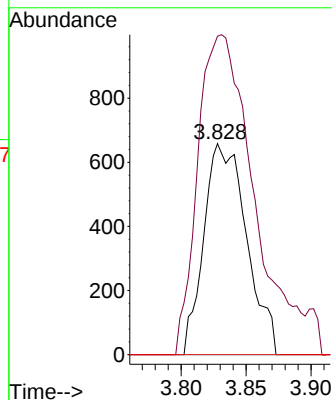
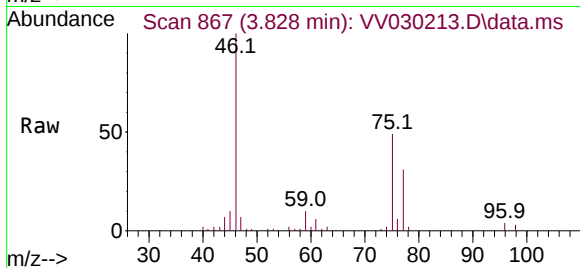




#22
 cis-1,2-Dichloroethene
 Concen: 0.145 ug/L
 RT: 3.828 min Scan# 866
 Delta R.T. 0.003 min
 Lab File: VV030213.D
 Acq: 15 Mar 2023 15:48

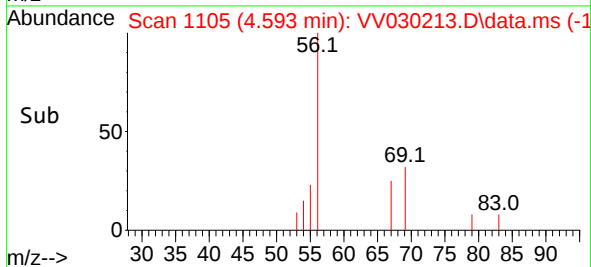
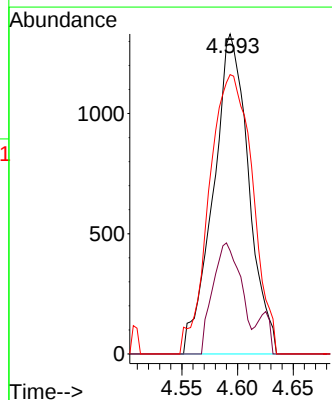
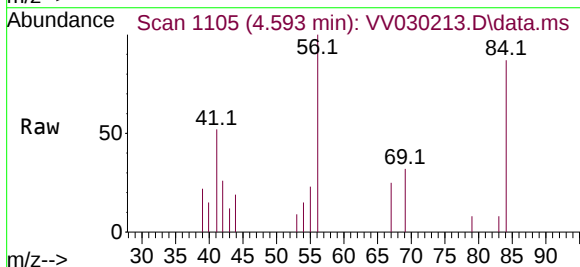
Instrument :
 MSVOA_V
 ClientSampleId :
 CB925

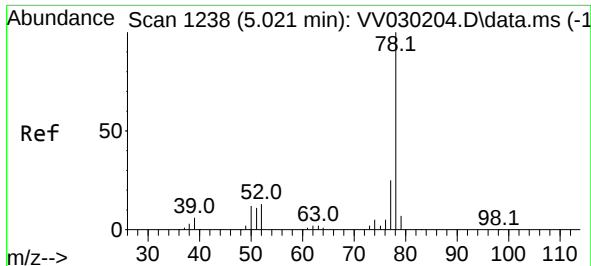
Tgt Ion: 96	Resp: 1503		
Ion Ratio	Lower	Upper	
96	100		
61	150.9	83.4	154.8
68	0.0	0.0	0.0



#30
 Cyclohexane
 Concen: 0.195 ug/L
 RT: 4.593 min Scan# 1105
 Delta R.T. -0.003 min
 Lab File: VV030213.D
 Acq: 15 Mar 2023 15:48

Tgt Ion: 56	Resp: 2936		
Ion Ratio	Lower	Upper	
56	100		
69	27.8	25.1	37.7
84	106.7	74.6	111.8





#33

Benzene

Concen: 0.174 ug/L

RT: 5.024 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030213.D

Acq: 15 Mar 2023 15:48

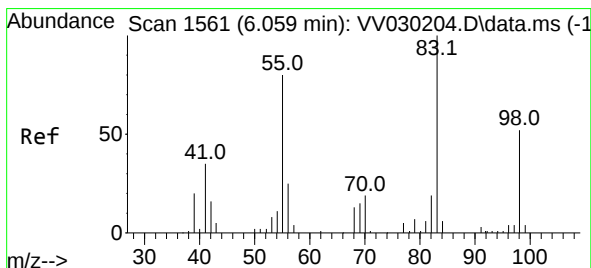
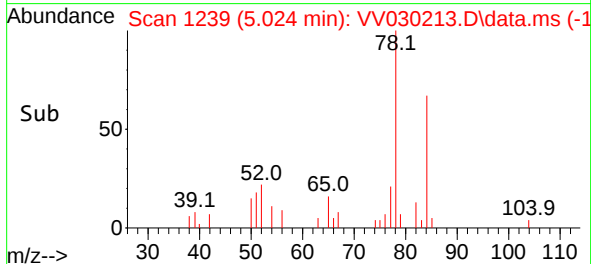
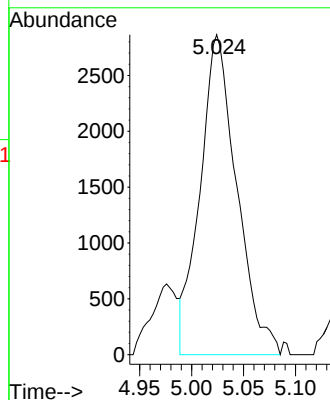
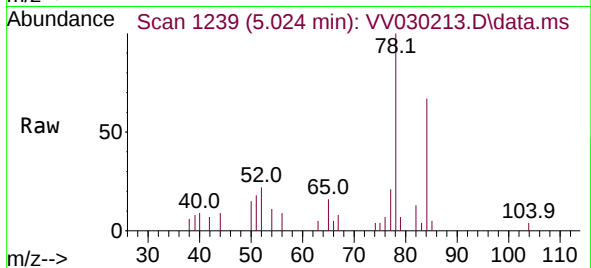
Instrument :

MSVOA_V

ClientSampleId :

CB925

Tgt Ion: 78 Resp: 7027



#35

Methylcyclohexane

Concen: 0.207 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.000 min

Lab File: VV030213.D

Acq: 15 Mar 2023 15:48

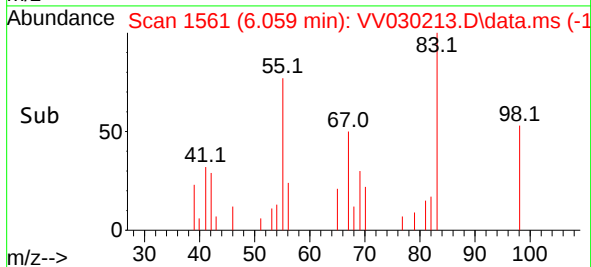
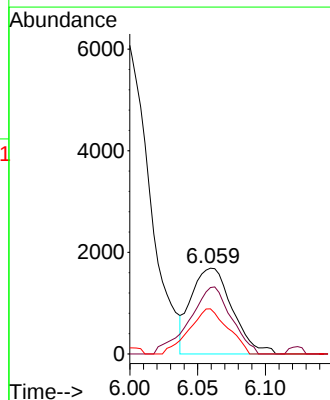
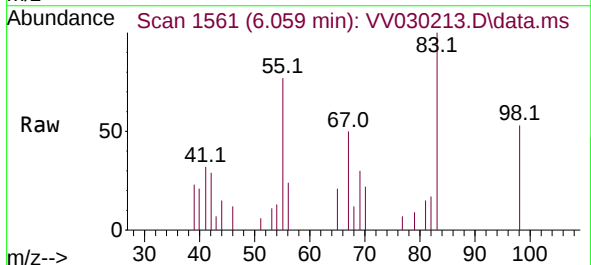
Tgt Ion: 83 Resp: 3560

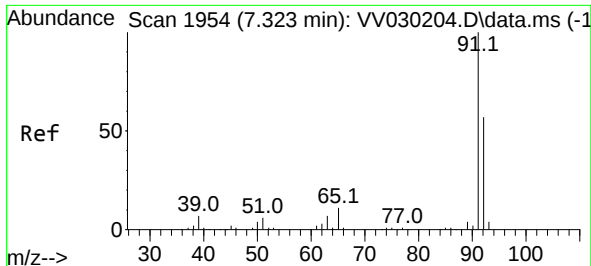
Ion Ratio Lower Upper

83 100

55 79.1 57.6 86.4

98 49.6 38.8 58.2





#42

Toluene

Concen: 0.284 ug/L

RT: 7.326 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV030213.D

Acq: 15 Mar 2023 15:48

Instrument :

MSVOA_V

ClientSampleId :

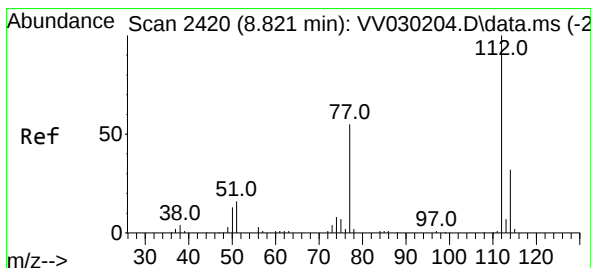
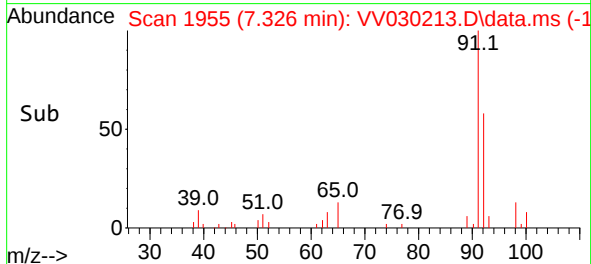
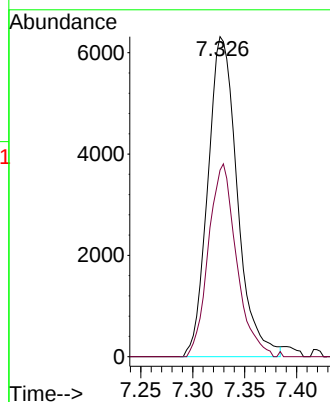
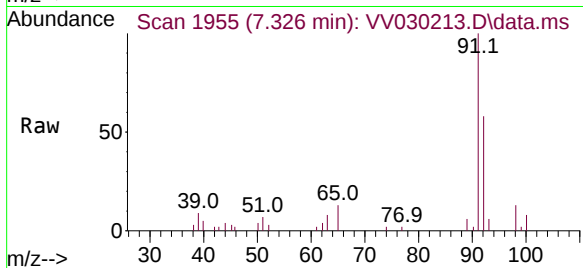
CB925

Tgt Ion: 91 Resp: 12441

Ion Ratio Lower Upper

91 100

92 58.3 39.6 73.6



#51

Chlorobenzene

Concen: 15.423 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030213.D

Acq: 15 Mar 2023 15:48

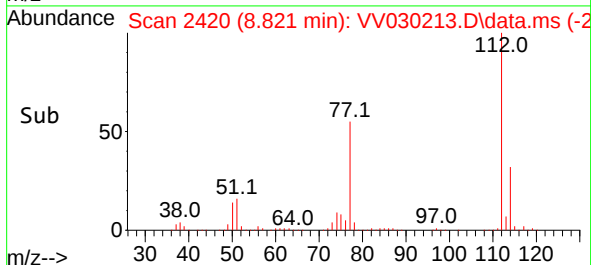
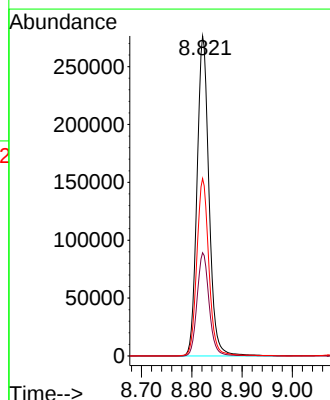
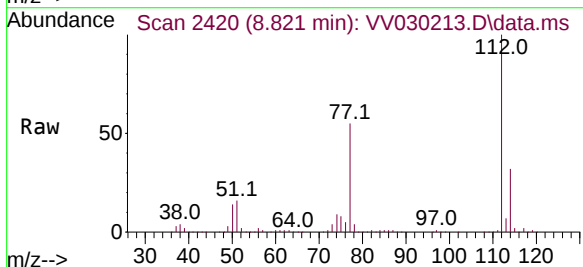
Tgt Ion: 112 Resp: 456030

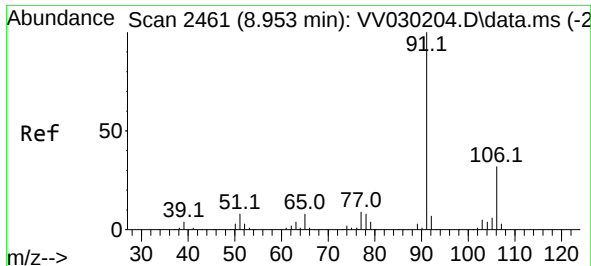
Ion Ratio Lower Upper

112 100

114 32.3 22.5 41.7

77 55.5 45.3 67.9

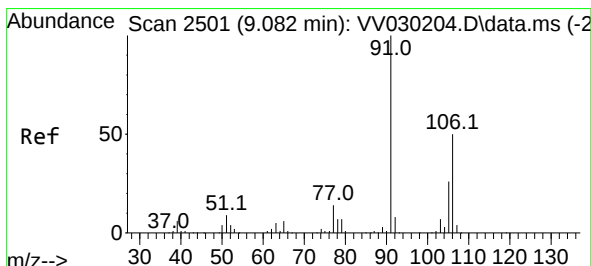
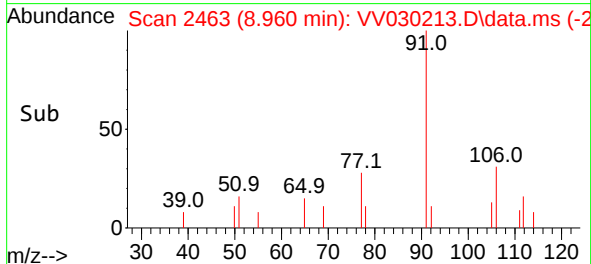
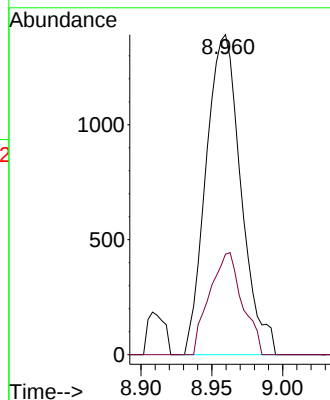
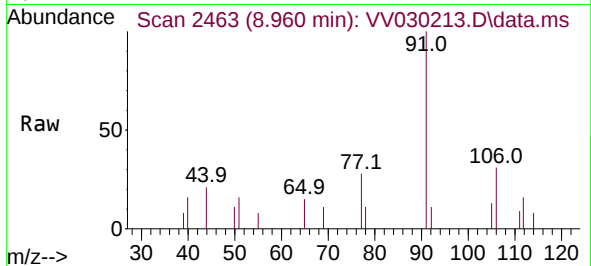




#52
Ethylbenzene
Concen: 0.050 ug/L
RT: 8.960 min Scan# 2463
Delta R.T. 0.006 min
Lab File: VV030213.D
Acq: 15 Mar 2023 15:48

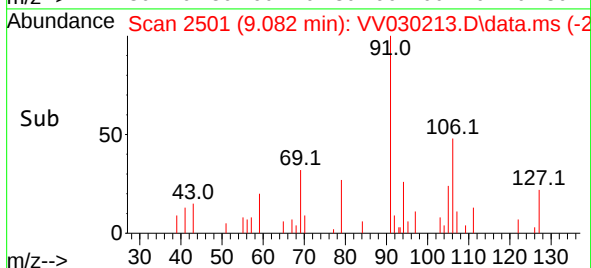
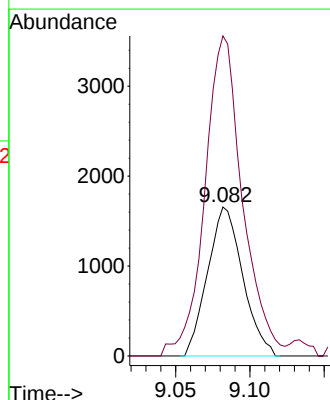
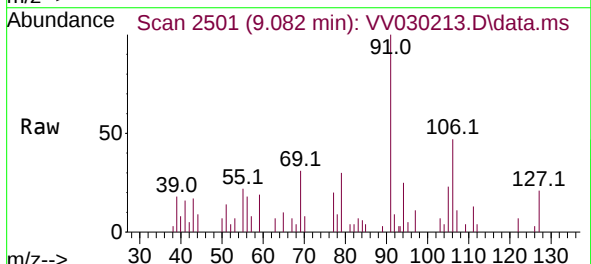
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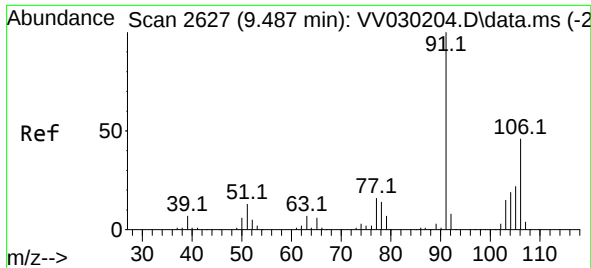
Tgt Ion: 91 Resp: 2388
Ion Ratio Lower Upper
91 100
106 31.4 22.0 40.8



#53
m,p-Xylene
Concen: 0.149 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030213.D
Acq: 15 Mar 2023 15:48

Tgt Ion: 106 Resp: 2725
Ion Ratio Lower Upper
106 100
91 214.8 142.5 264.7

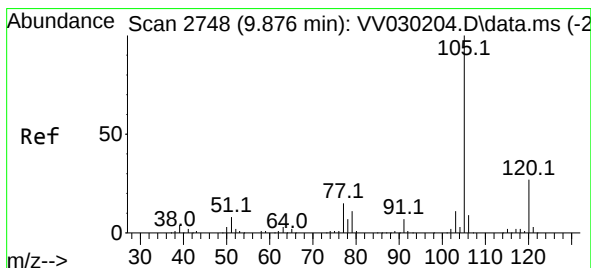
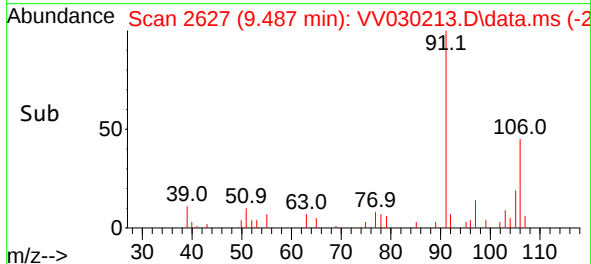
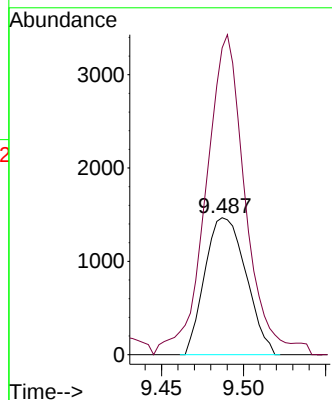
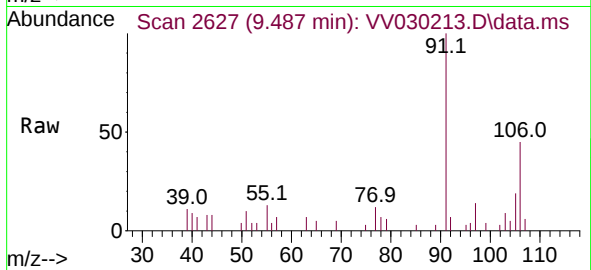




#54
o-Xylene
Concen: 0.146 ug/L
RT: 9.487 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030213.D
Acq: 15 Mar 2023 15:48

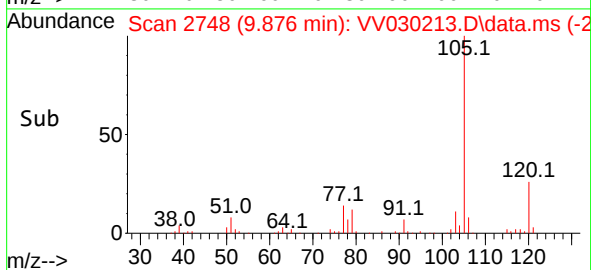
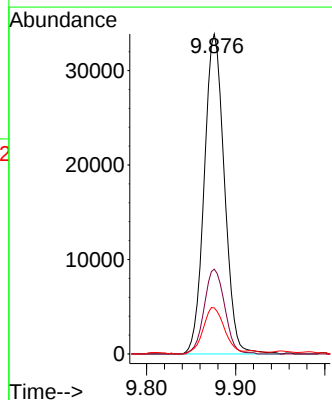
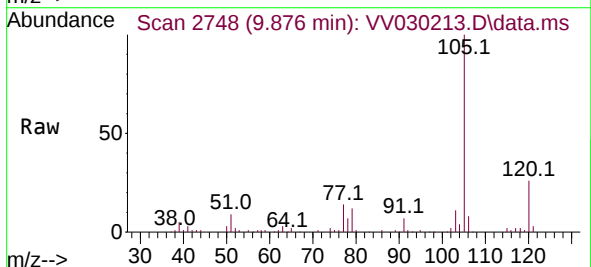
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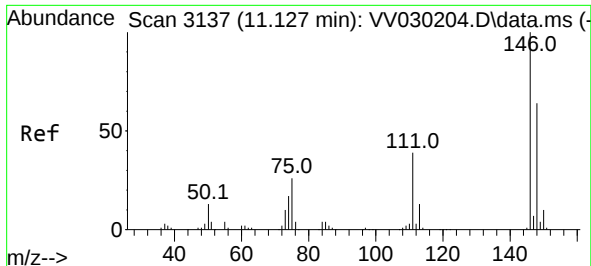
Tgt Ion:106 Resp: 2559
Ion Ratio Lower Upper
106 100
91 224.0 148.8 276.4



#60
Isopropylbenzene
Concen: 1.000 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. -0.000 min
Lab File: VV030213.D
Acq: 15 Mar 2023 15:48

Tgt Ion:105 Resp: 53149
Ion Ratio Lower Upper
105 100
120 27.1 21.4 32.0
77 15.4 12.1 18.1

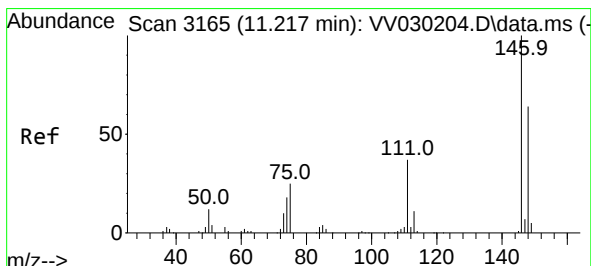
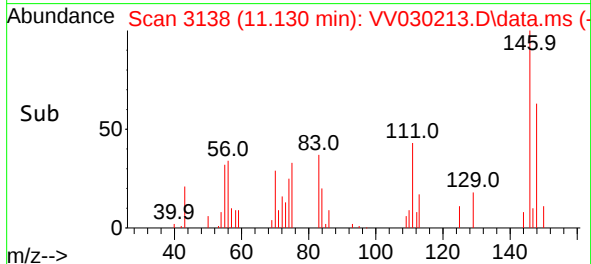
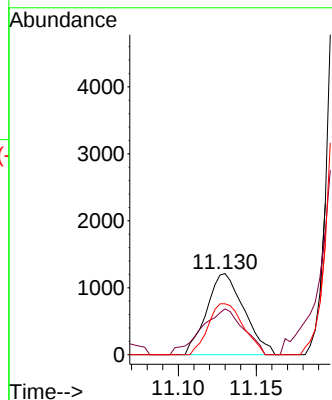
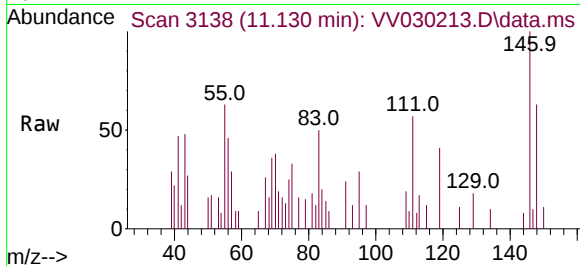




#64
1,3-Dichlorobenzene
Concen: 0.073 ug/L
RT: 11.130 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030213.D
Acq: 15 Mar 2023 15:48

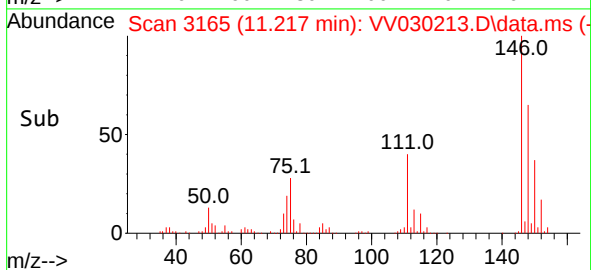
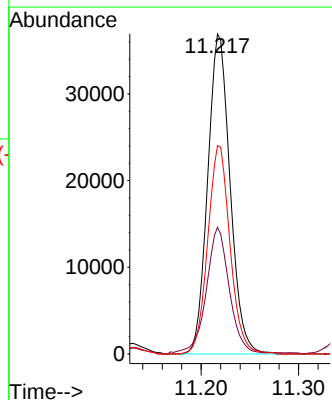
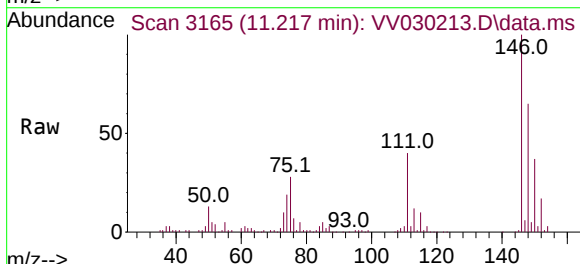
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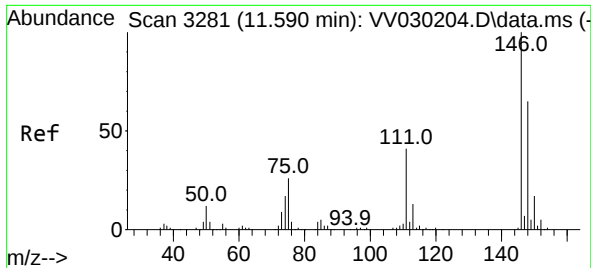
Tgt Ion:146 Resp: 2021
Ion Ratio Lower Upper
146 100
111 56.5 27.7 51.5#
148 62.8 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 2.109 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030213.D
Acq: 15 Mar 2023 15:48

Tgt Ion:146 Resp: 58881
Ion Ratio Lower Upper
146 100
111 39.6 27.4 51.0
148 65.1 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 0.235 ug/L

RT: 11.590 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030213.D

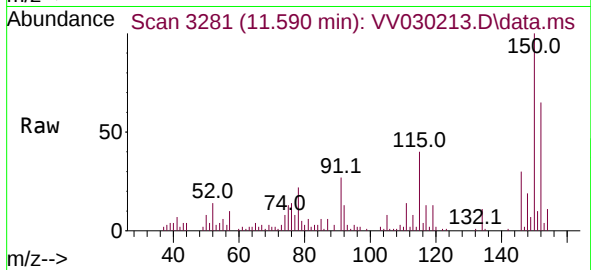
Acq: 15 Mar 2023 15:48

Instrument :

MSVOA_V

ClientSampleId :

CB925



Tgt Ion:146 Resp: 5741

Ion Ratio Lower Upper

146 100

111 45.2 33.5 50.3

148 63.4 51.3 76.9

