

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120721\
 Data File : VW023830.D
 Acq On : 07 Dec 2021 18:08
 Operator : SY/MD
 Sample : M4879-04DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

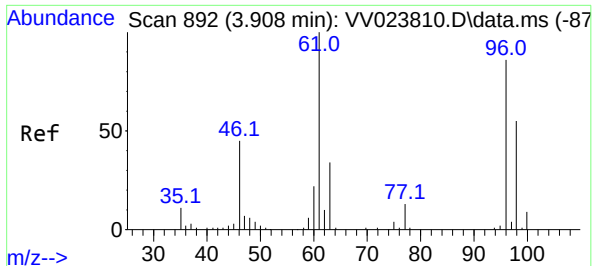
Instrument :
 MSVOA_V
 ClientSampleId :
 C0G31DL

Quant Time: Dec 08 01:16:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	149863	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	142692	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	76949	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	37745	3.068	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.400%
7) Chloroethane-d5	1.568	69	34735	3.592	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.800%
11) 1,1-Dichloroethene-d2	2.108	63	54404	2.509	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.200%#
20) 2-Butanone-d5	3.912	46	90007	60.859	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.720%
24) Chloroform-d	4.349	84	93569	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.034	65	45948	4.591	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.050	84	179317	4.613	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.069	67	55443	5.088	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.317	98	162542	4.475	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	7.625	79	20676	4.707	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.088	63	93476	64.051	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.100%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40060	5.109	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	71310	5.242	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						Qvalue
22) cis-1,2-Dichloroethene	3.915	96	17714	1.615	ug/L	91
30) Cyclohexane	4.677	56	10874	0.699	ug/L	94
34) Trichloroethene	5.918	95	9235	0.847	ug/L	90
35) Methylcyclohexane	6.130	83	7627	0.449	ug/L	93
42) Toluene	7.394	91	22180	0.503	ug/L	100
47) Tetrachloroethene	7.979	164	5939	0.599	ug/L	93
52) Ethylbenzene	9.011	91	255618	5.543	ug/L	100
53) m,p-xylene	9.140	106	138829	7.564	ug/L	99
54) o-xylene	9.545	106	30078	1.723	ug/L	99
60) Isopropylbenzene	9.931	105	26335	0.573	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.538	105	161553	4.226	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	666028	17.616	ug/L	100

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



#22

cis-1,2-Dichloroethene

Concen: 1.615 ug/L

RT: 3.915 min Scan# 89

Delta R.T. 0.006 min

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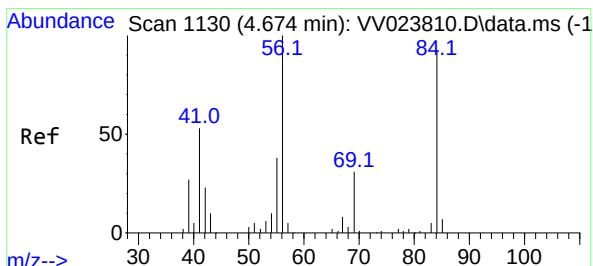
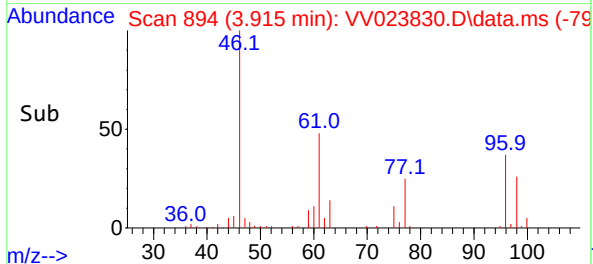
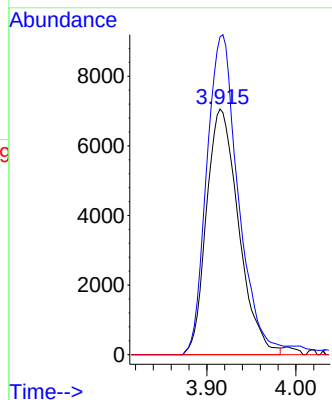
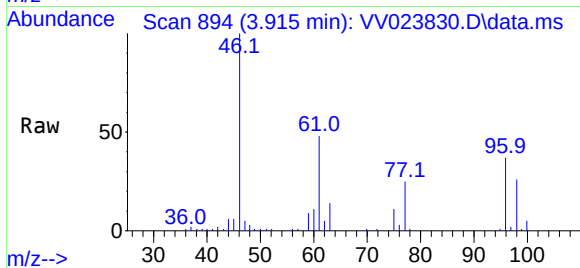
Tgt Ion: 96 Resp: 17714

Ion Ratio Lower Upper

96 100

61 129.5 83.4 154.8

68 0.0 0.0 0.0



#30

Cyclohexane

Concen: 0.699 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV023830.D

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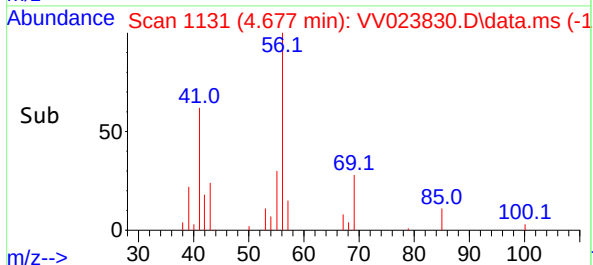
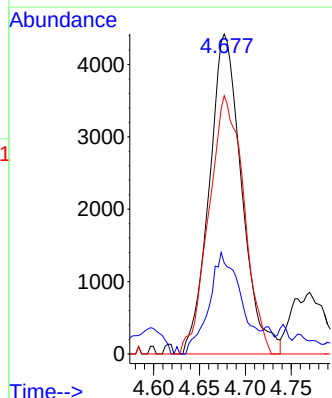
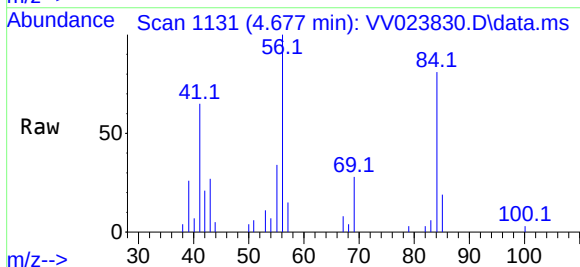
Tgt Ion: 56 Resp: 10874

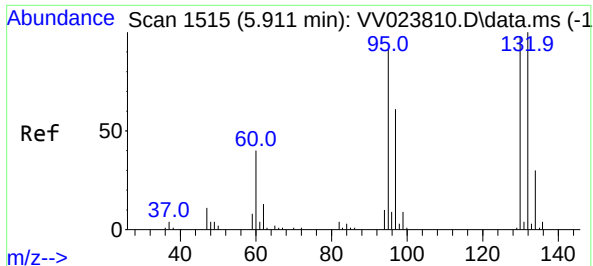
Ion Ratio Lower Upper

56 100

69 31.0 24.8 37.2

84 87.0 75.9 113.9



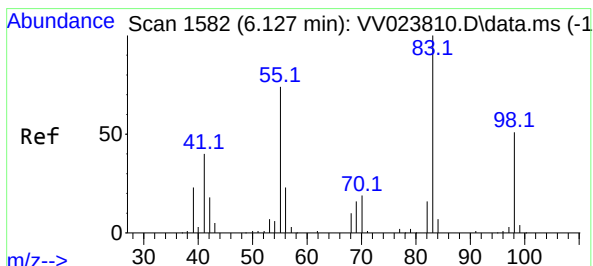
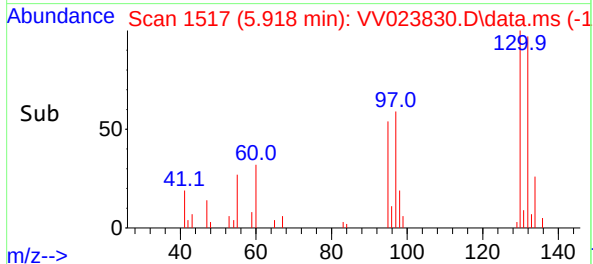
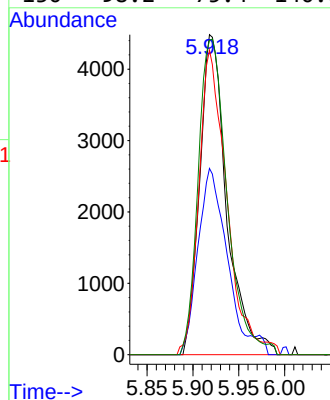
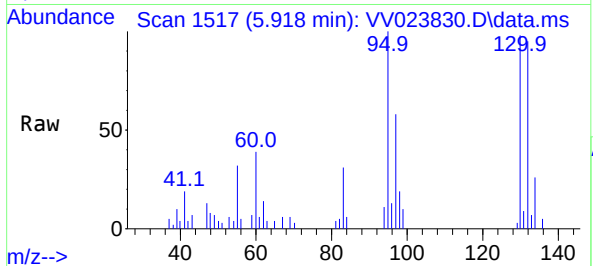


#34
Trichloroethene
Concen: 0.847 ug/L
RT: 5.918 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV023830.D
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C0G31DL

Tgt Ion: 95 Resp: 9235

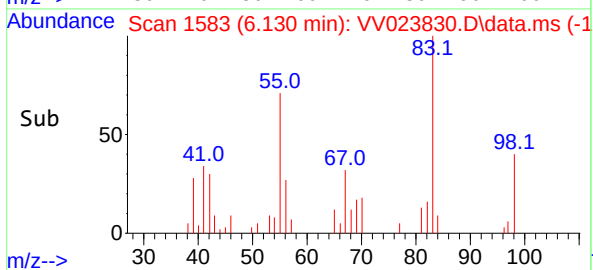
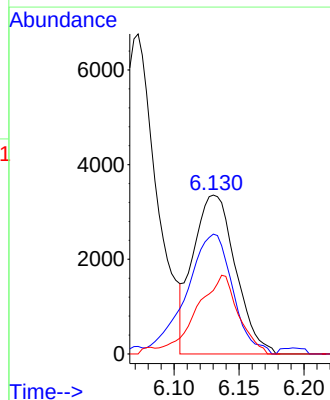
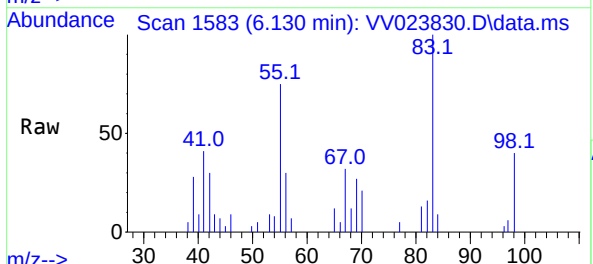
Ion	Ratio	Lower	Upper
95	100		
97	58.2	45.2	84.0
132	95.2	76.1	141.3
130	98.2	75.4	140.0

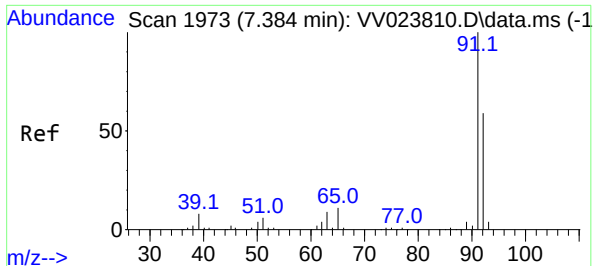


#35
Methylcyclohexane
Concen: 0.449 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

Tgt Ion: 83 Resp: 7627

Ion	Ratio	Lower	Upper
83	100		
55	82.6	60.2	90.2
98	48.6	41.0	61.4





#42

Toluene

Concen: 0.503 ug/L

RT: 7.394 min Scan# 1973

Delta R.T. 0.010 min

Lab File: VV023830.D

Acq: 07 Dec 2021 18:08

Instrument :

MSVOA_V

ClientSampleId :

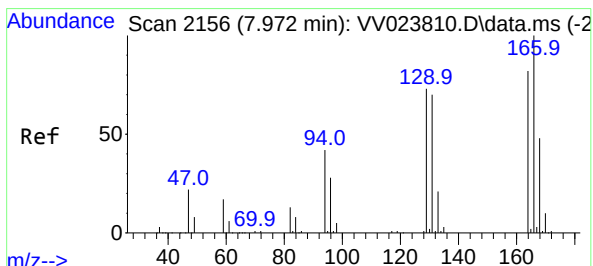
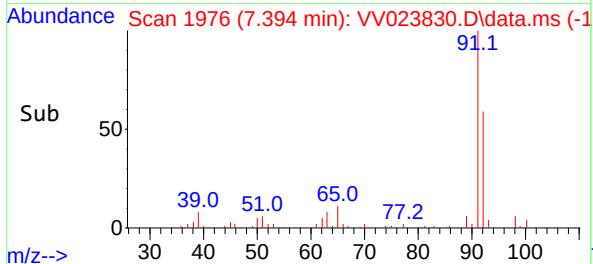
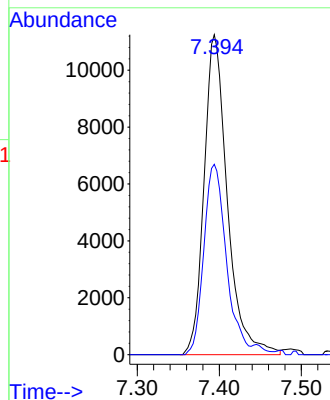
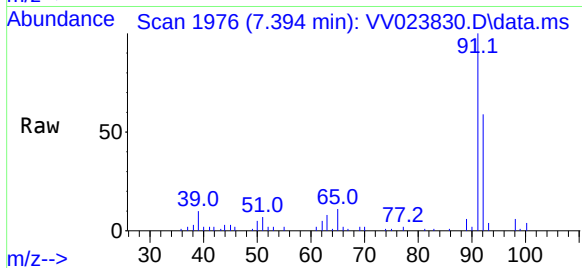
C0G31DL

Tgt Ion: 91 Resp: 22180

Ion Ratio Lower Upper

91 100

92 59.5 41.5 77.1



#47

Tetrachloroethene

Concen: 0.599 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

Lab File: VV023830.D

Acq: 07 Dec 2021 18:08

Tgt Ion: 164 Resp: 5939

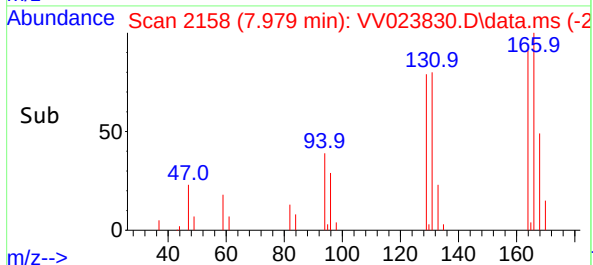
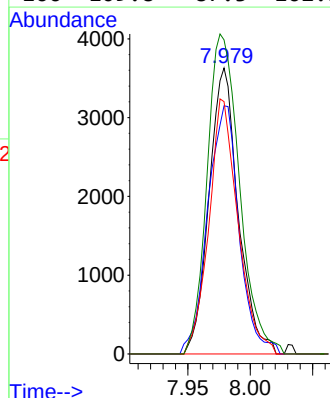
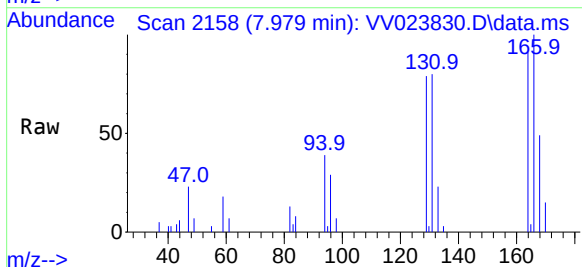
Ion Ratio Lower Upper

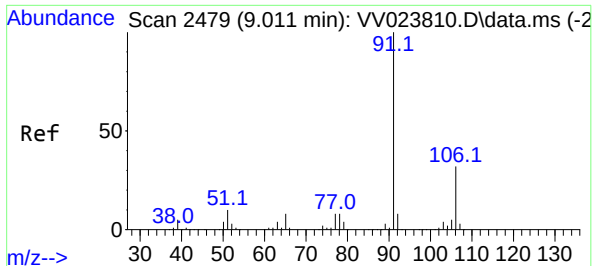
164 100

129 86.8 62.6 116.2

131 88.2 61.0 113.4

166 109.8 87.3 162.1

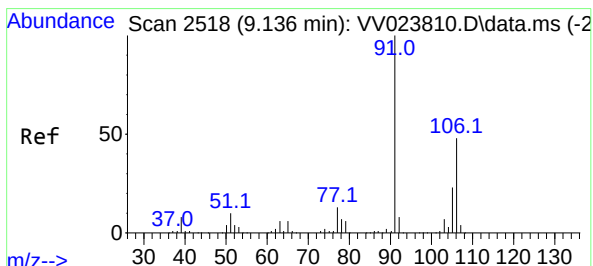
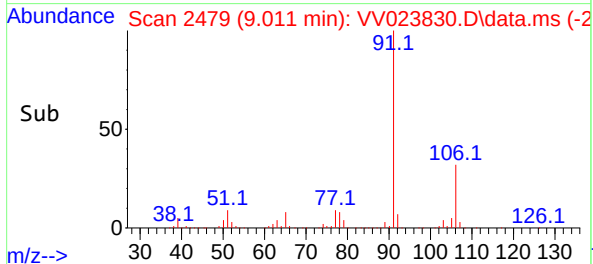
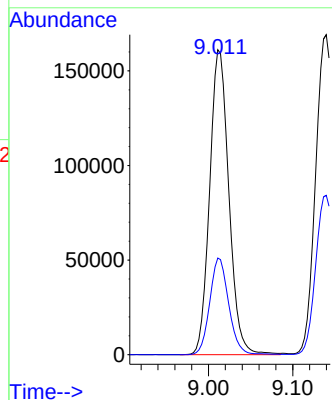
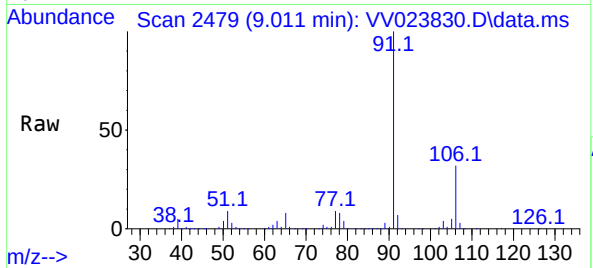




#52
Ethylbenzene
Concen: 5.543 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

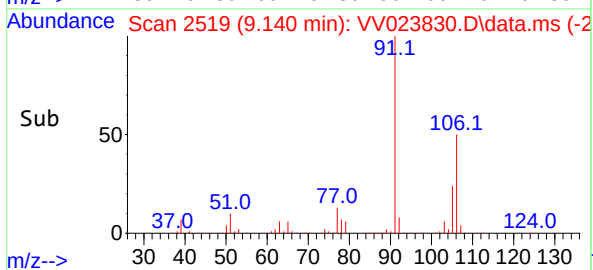
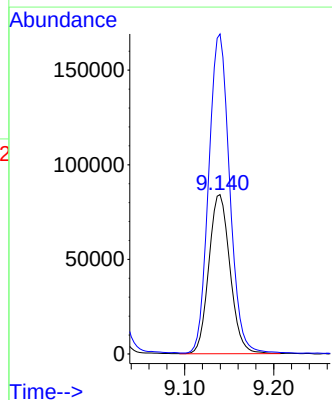
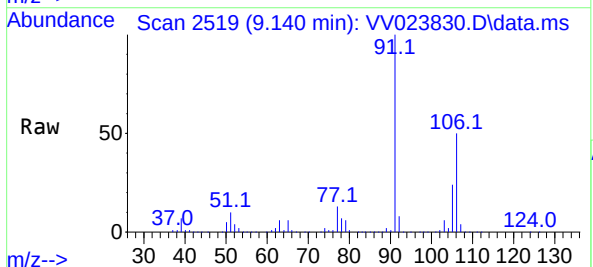
Instrument :
MSVOA_V
ClientSampleId :
C0G31DL

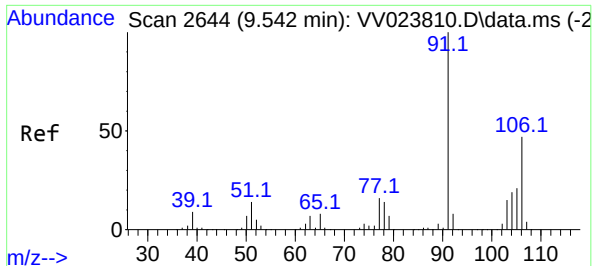
Tgt Ion: 91 Resp: 255618
Ion Ratio Lower Upper
91 100
106 31.7 22.0 41.0



#53
m,p-xylene
Concen: 7.564 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

Tgt Ion: 106 Resp: 138829
Ion Ratio Lower Upper
106 100
91 200.7 139.5 259.1

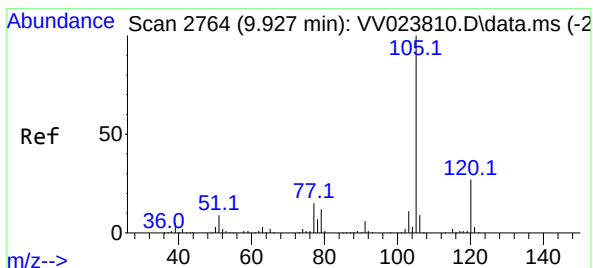
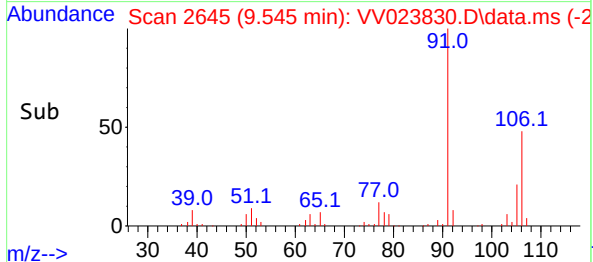
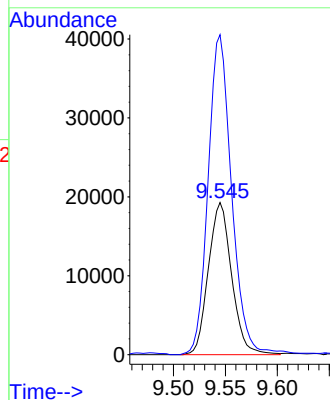
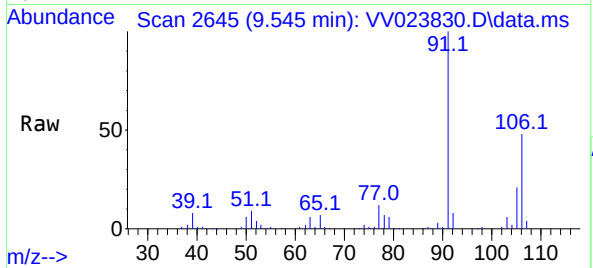




#54
o-xylene
Concen: 1.723 ug/L
RT: 9.545 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

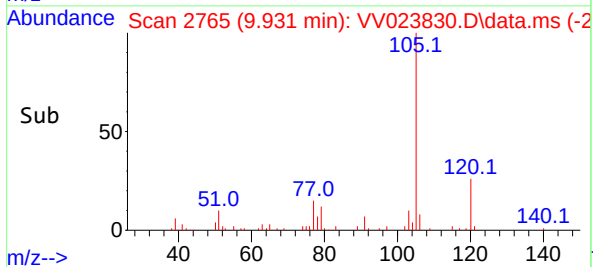
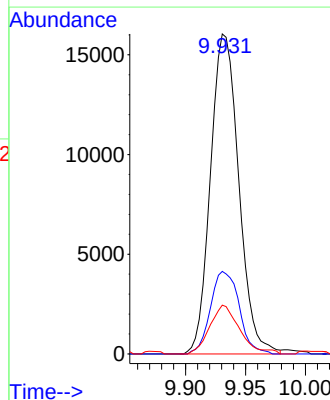
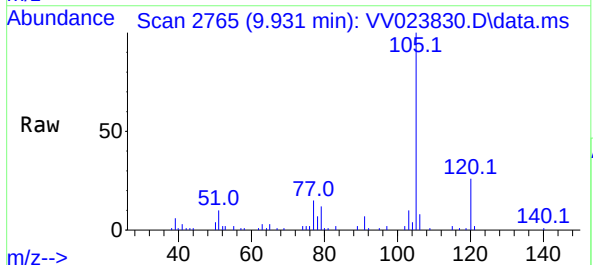
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MSVOA_V
ClientSampleId :
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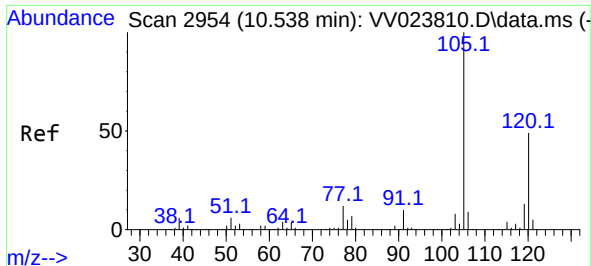
Tgt Ion:106 Resp: 30078
Ion Ratio Lower Upper
106 100
91 210.3 147.9 274.7



#60
Isopropylbenzene
Concen: 0.573 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

Tgt Ion:105 Resp: 26335
Ion Ratio Lower Upper
105 100
120 0.0 21.4 32.0#
77 16.1 12.2 18.4

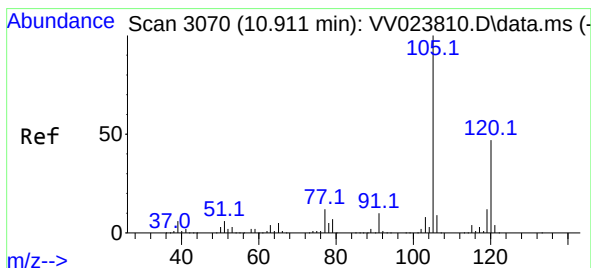
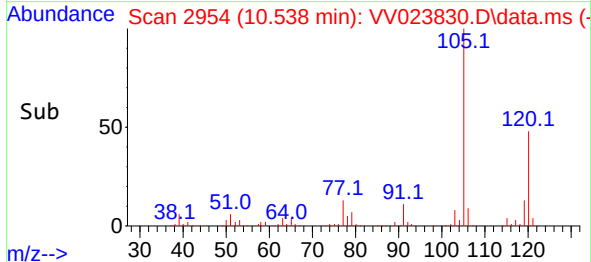
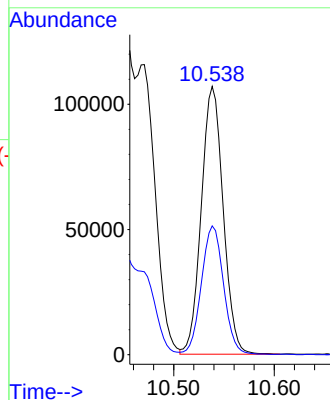
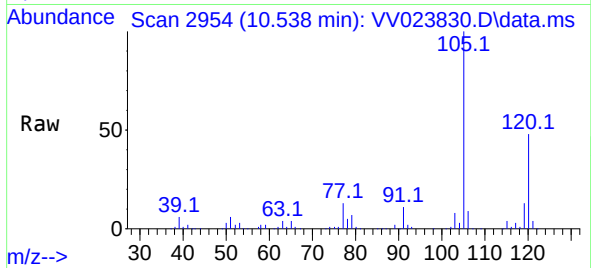




#62
1,3,5-Trimethylbenzene
Concen: 4.226 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

Instrument :
MSVOA_V
ClientSampleId :
C0G31DL

Tgt Ion:105 Resp: 161553
Ion Ratio Lower Upper
105 100
120 48.6 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 17.616 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

Tgt Ion:105 Resp: 666028
Ion Ratio Lower Upper
105 100
120 45.6 36.7 55.1

