

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120721\
 Data File : VW023831.D
 Acq On : 07 Dec 2021 18:31
 Operator : SY/MD
 Sample : M4879-05DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

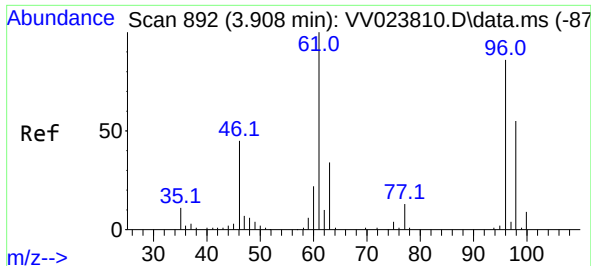
Instrument :
 MSVOA_V
 ClientSampleId :
 C0G32DL

Quant Time: Dec 08 01:17:06 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	153992	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	139489	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	76741	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	37529	2.969	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.400%
7) Chloroethane-d5	1.568	69	32915	3.312	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	66.200%
11) 1,1-Dichloroethene-d2	2.108	63	54592	2.450	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.000%#
20) 2-Butanone-d5	3.915	46	96707	63.636	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.280%
24) Chloroform-d	4.349	84	93886	4.265	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.037	65	45279	4.403	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.050	84	178689	4.703	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.072	67	56805	5.332	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.600%
41) Toluene-d8	7.317	98	162195	4.568	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
43) trans-1,3-Dichloroprop...	7.625	79	20517	4.778	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.091	63	94888	66.512	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.020%#
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38730	5.052	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	67432	4.970	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						Qvalue
22) cis-1,2-Dichloroethene	3.915	96	13918	1.235	ug/L	95
30) Cyclohexane	4.677	56	33751	2.219	ug/L	99
34) Trichloroethene	5.921	95	4968	0.466	ug/L	93
35) Methylcyclohexane	6.130	83	12293	0.740	ug/L	95
42) Toluene	7.394	91	22633	0.525	ug/L	96
47) Tetrachloroethene	7.976	164	123300	12.716	ug/L	97
52) Ethylbenzene	9.014	91	102022	2.263	ug/L	100
53) m,p-xylene	9.140	106	55242	3.079	ug/L	100
54) o-xylene	9.545	106	12055	0.707	ug/L	96
60) Isopropylbenzene	9.934	105	7725	0.169	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	14925	0.391	ug/L	97
63) 1,2,4-Trimethylbenzene	10.914	105	143576	3.808	ug/L	100

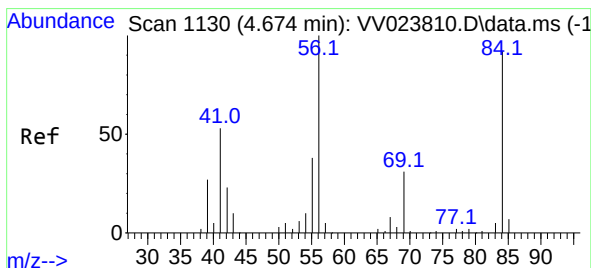
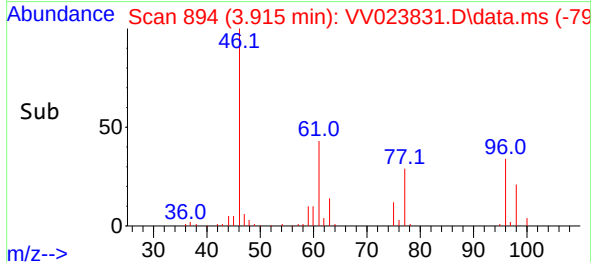
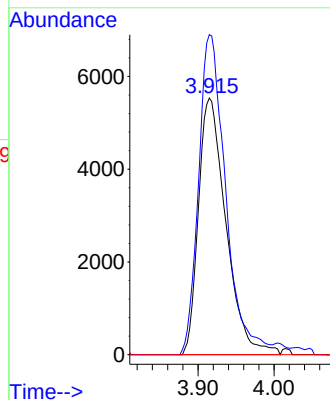
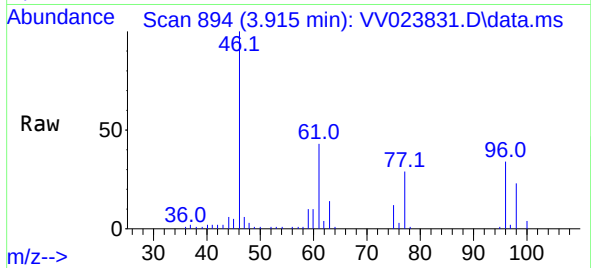
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#22
 cis-1,2-Dichloroethene
 Concen: 1.235 ug/L
 RT: 3.915 min Scan# 89
 Delta R.T. 0.006 min
 Lab File: VV023831.D
 Acq: 07 Dec 2021 18:31

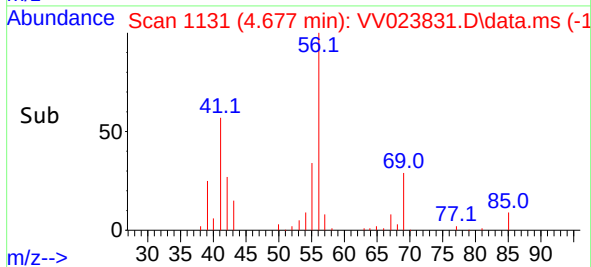
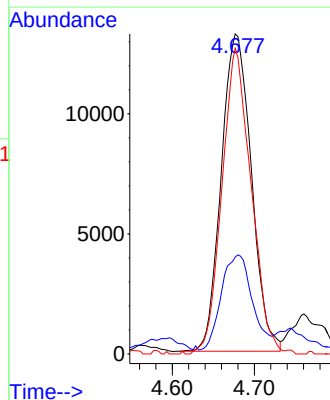
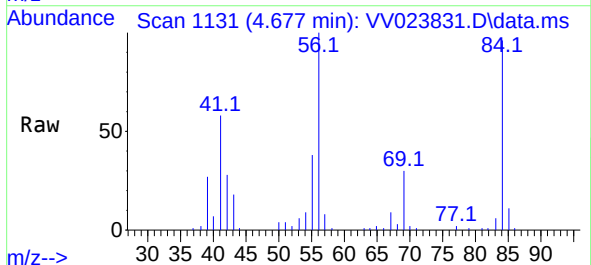
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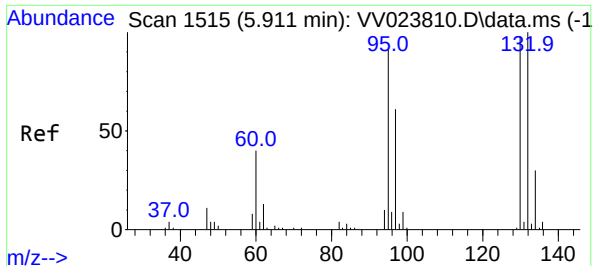
Tgt Ion: 96 Resp: 13918
 Ion Ratio Lower Upper
 96 100
 61 124.7 83.4 154.8
 68 0.0 0.0 0.0



#30
 Cyclohexane
 Concen: 2.219 ug/L
 RT: 4.677 min Scan# 1131
 Delta R.T. 0.003 min
 Lab File: VV023831.D
 Acq: 07 Dec 2021 18:31

Tgt Ion: 56 Resp: 33751
 Ion Ratio Lower Upper
 56 100
 69 31.0 24.8 37.2
 84 93.1 75.9 113.9



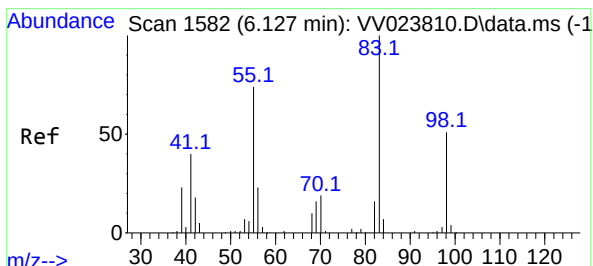
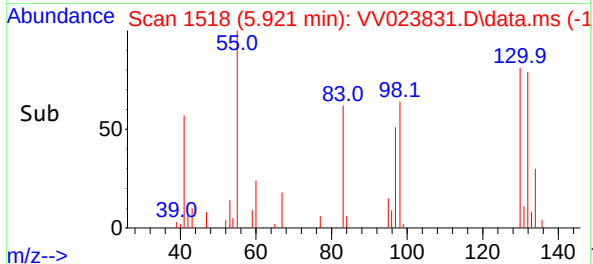
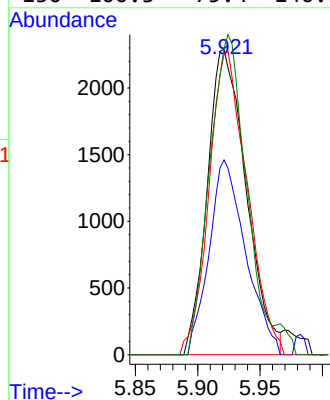
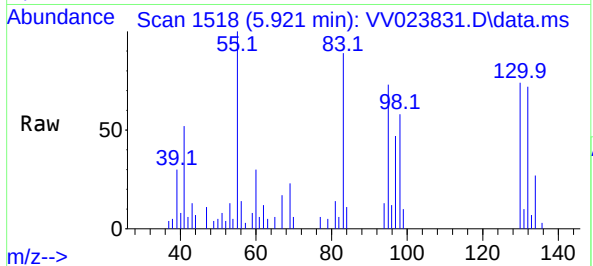


#34
Trichloroethene
Concen: 0.466 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.010 min
Lab File: VV023831.D
Acq: 07 Dec 2021 18:31

Instrument :
MSVOA_V
ClientSampleId :
C0G32DL

Tgt Ion: 95 Resp: 4968

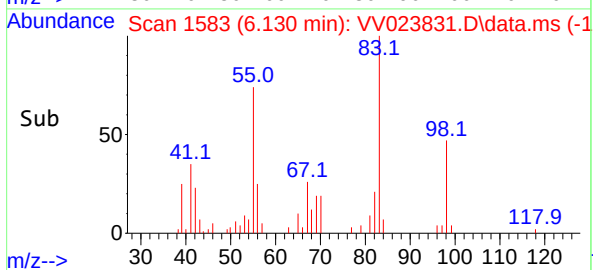
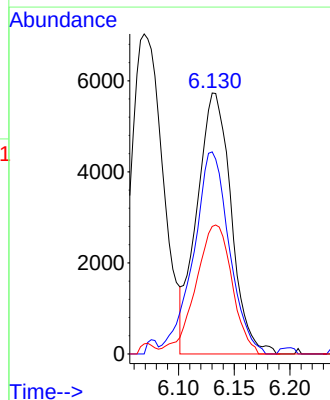
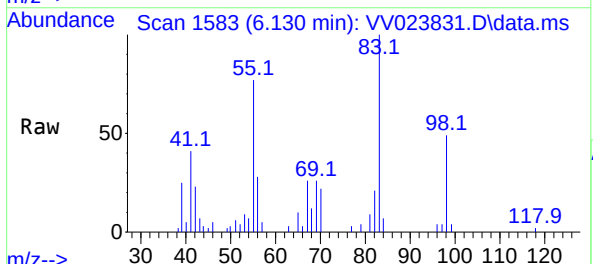
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.2	84.0
132	98.2	76.1	141.3
130	100.3	75.4	140.0

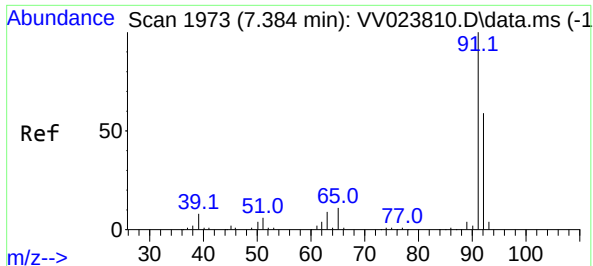


#35
Methylcyclohexane
Concen: 0.740 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV023831.D
Acq: 07 Dec 2021 18:31

Tgt Ion: 83 Resp: 12293

Ion	Ratio	Lower	Upper
83	100		
55	80.9	60.2	90.2
98	52.4	41.0	61.4

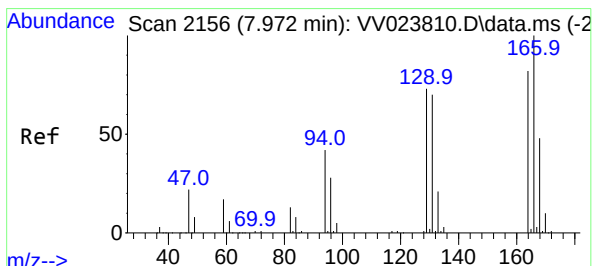
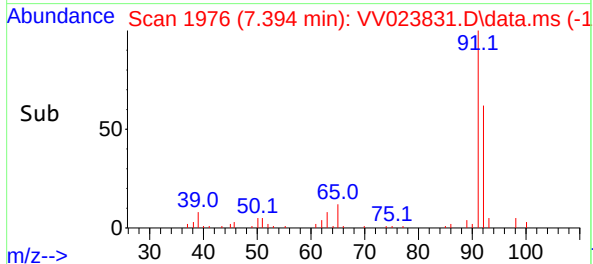
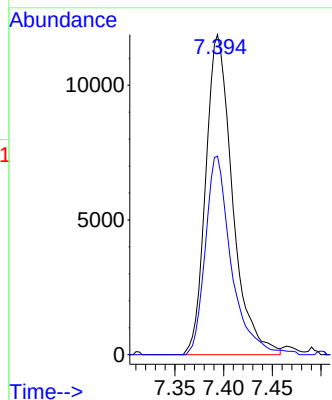
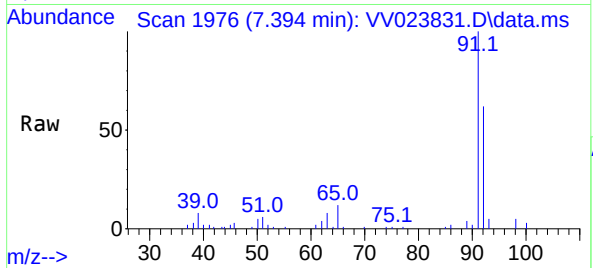




#42
Toluene
Concen: 0.525 ug/L
RT: 7.394 min Scan# 1973
Delta R.T. 0.010 min
Lab File: VV023831.D
Acq: 07 Dec 2021 18:31

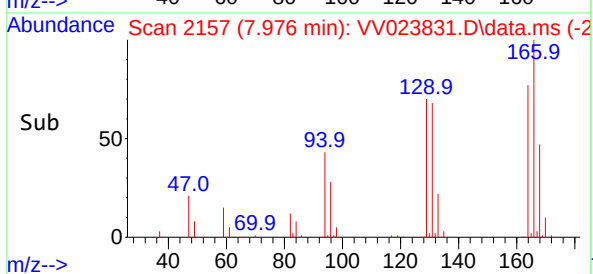
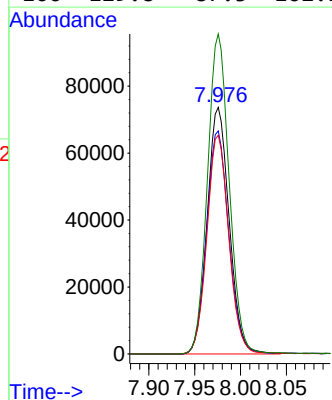
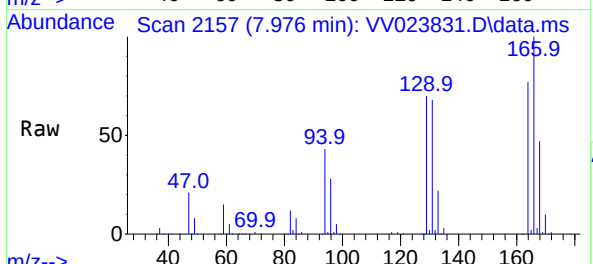
Instrument :
MSVOA_V
ClientSampleId :
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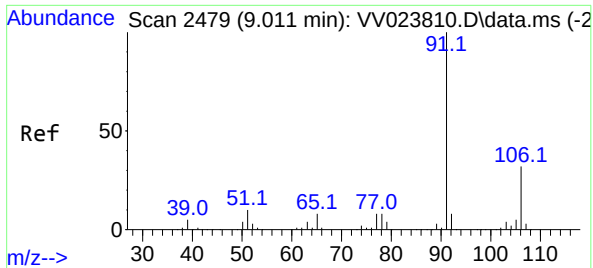
Tgt Ion: 91 Resp: 22633
Ion Ratio Lower Upper
91 100
92 62.1 41.5 77.1



#47
Tetrachloroethene
Concen: 12.716 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023831.D
Acq: 07 Dec 2021 18:31

Tgt Ion: 164 Resp: 123300
Ion Ratio Lower Upper
164 100
129 90.4 62.6 116.2
131 88.7 61.0 113.4
166 129.8 87.3 162.1

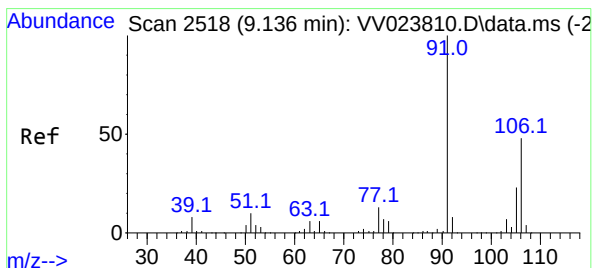
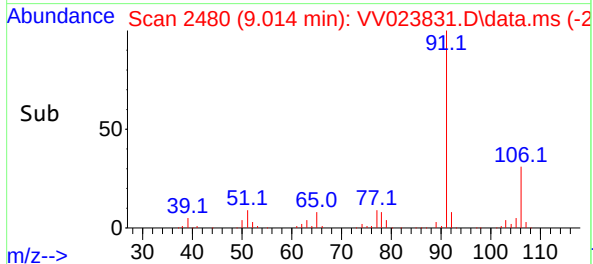
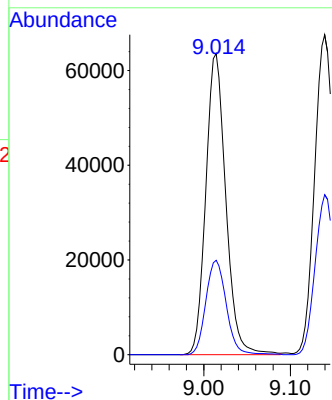
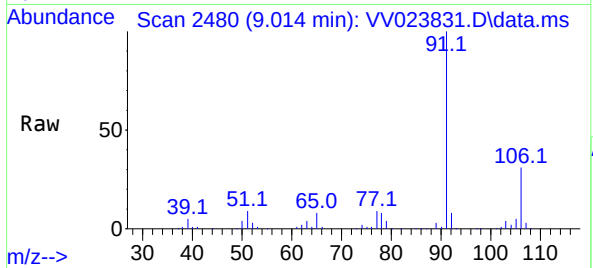




#52
Ethylbenzene
Concen: 2.263 ug/L
RT: 9.014 min Scan# 2479
Delta R.T. 0.003 min
Lab File: VV023831.D
Acq: 07 Dec 2021 18:31

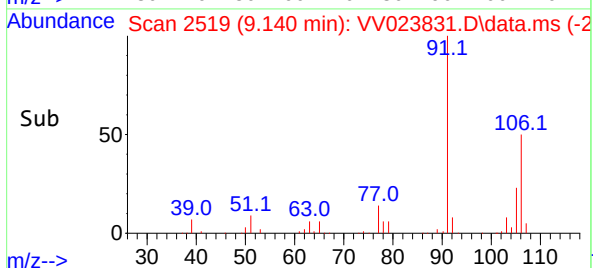
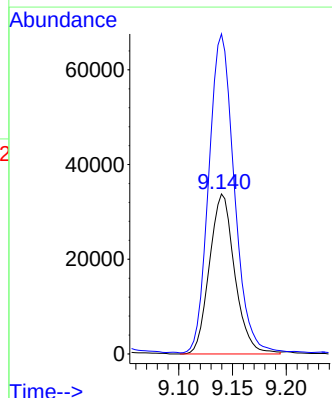
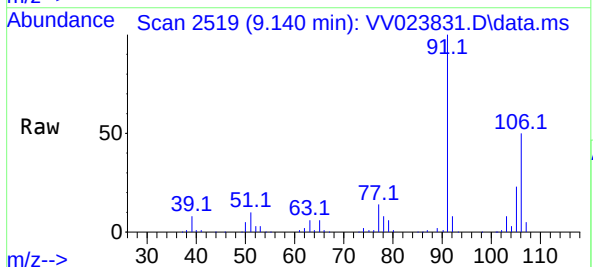
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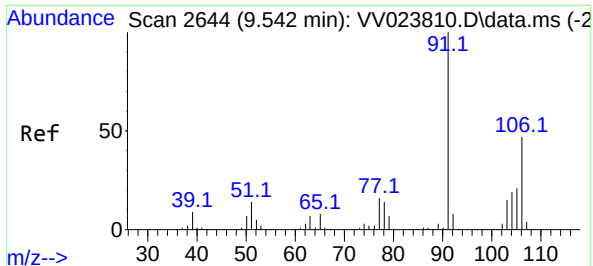
Tgt Ion: 91 Resp: 102022
Ion Ratio Lower Upper
91 100
106 31.3 22.0 41.0



#53
m,p-xylene
Concen: 3.079 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV023831.D
Acq: 07 Dec 2021 18:31

Tgt Ion: 106 Resp: 55242
Ion Ratio Lower Upper
106 100
91 200.0 139.5 259.1

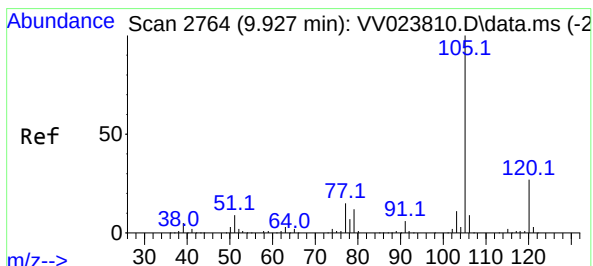
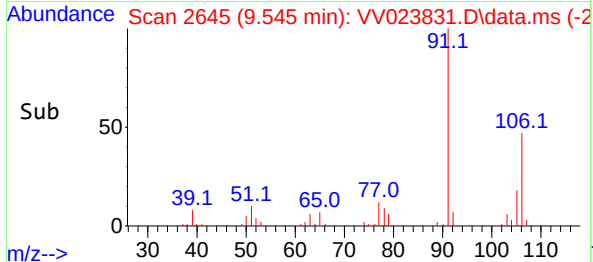
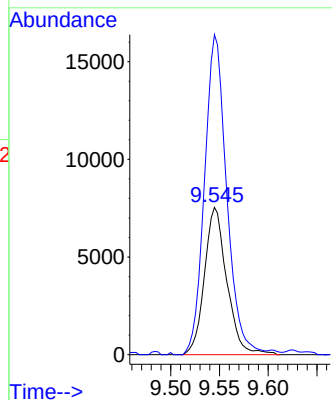
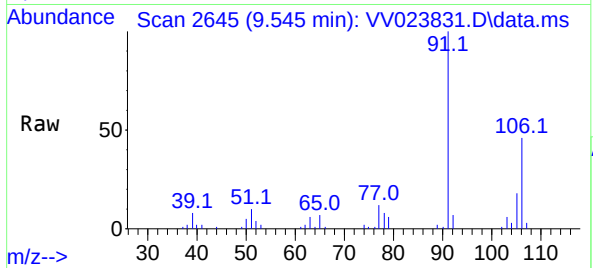




#54
o-xylene
Concen: 0.707 ug/L
RT: 9.545 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023831.D
Acq: 07 Dec 2021 18:31

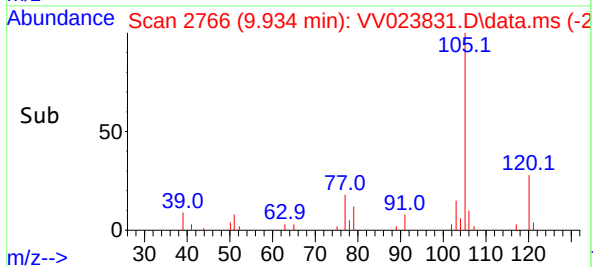
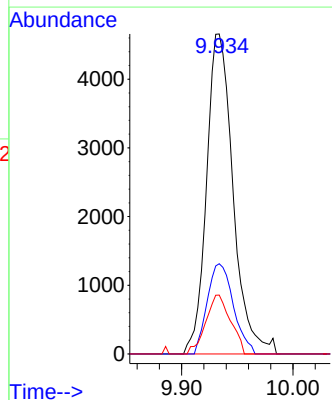
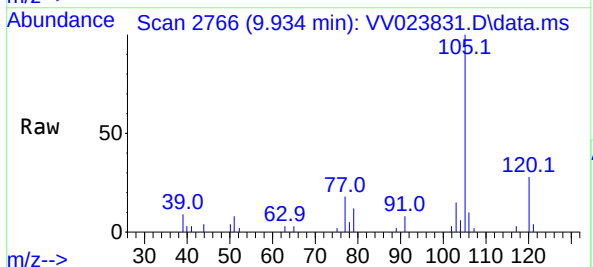
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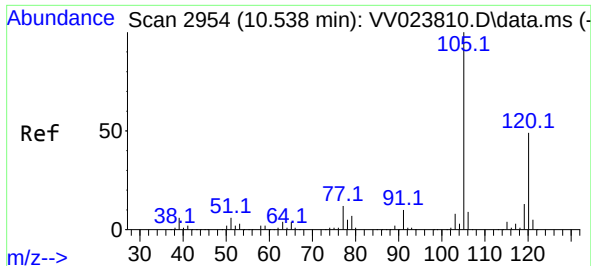
Tgt Ion:106 Resp: 12055
Ion Ratio Lower Upper
106 100
91 217.1 147.9 274.7



#60
Isopropylbenzene
Concen: 0.169 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV023831.D
Acq: 07 Dec 2021 18:31

Tgt Ion:105 Resp: 7725
Ion Ratio Lower Upper
105 100
120 27.7 21.4 32.0
77 17.1 12.2 18.4

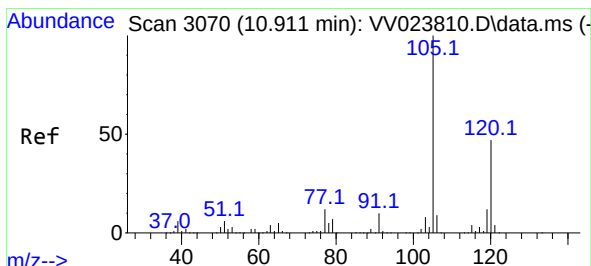
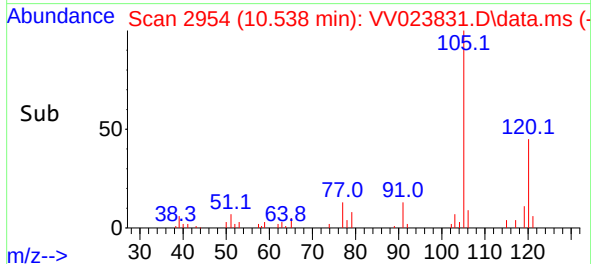
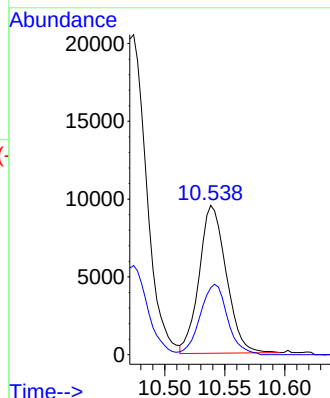
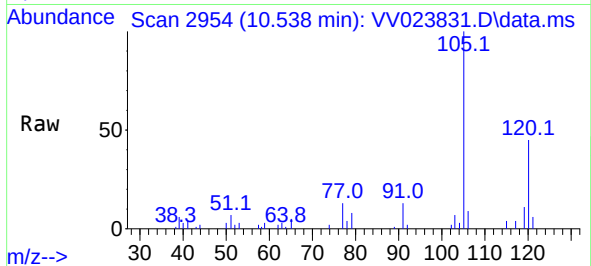




#62
1,3,5-Trimethylbenzene
Concen: 0.391 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VV023831.D
Acq: 07 Dec 2021 18:31

Instrument :
MSVOA_V
ClientSampleId :
C0G32DL

Tgt Ion:105 Resp: 14925
Ion Ratio Lower Upper
105 100
120 48.1 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 3.808 ug/L
RT: 10.914 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV023831.D
Acq: 07 Dec 2021 18:31

Tgt Ion:105 Resp: 143576
Ion Ratio Lower Upper
105 100
120 45.7 36.7 55.1

