

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120621\
 Data File : VW023801.D
 Acq On : 06 Dec 2021 16:32
 Operator : SY/MD
 Sample : M4979-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 07 05:32:12 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	173569	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	161341	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	83410	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	45462	3.191	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	63.800%	
7) Chloroethane-d5	1.568	69	38762	3.461	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	69.200%	
11) 1,1-Dichloroethene-d2	2.108	63	68733	2.737	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	54.800%#	
20) 2-Butanone-d5	3.892	46	112870	65.894	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	131.780%#	
24) Chloroform-d	4.352	84	105701	4.260	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	85.200%	
26) 1,2-Dichloroethane-d4	5.037	65	51495	4.443	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	88.800%	
32) Benzene-d6	5.050	84	212040	4.825	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.400%	
36) 1,2-Dichloropropane-d6	6.072	67	61651	5.004	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	100.000%	
41) Toluene-d8	7.316	98	192724	4.693	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.800%	
43) trans-1,3-Dichloroprop...	7.625	79	23613	4.754	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	95.000%	
46) 2-Hexanone-d5	8.088	63	104267	63.187	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	126.380%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42162	4.755	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	95.200%	
66) 1,2-Dichlorobenzene-d4	11.625	152	75040	5.089	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	101.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	759	0.053	ug/L #	81
6) Bromomethane	1.523	94	566	0.066	ug/L	89
22) cis-1,2-Dichloroethene	3.918	96	1201	0.095	ug/L	81
34) Trichloroethene	5.918	95	32892	2.669	ug/L	98
37) 1,2-Dichloropropane	6.072	63	7129	0.652	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1967	0.126	ug/L #	57
42) Toluene	7.400	91	3426	0.069	ug/L	85
45) 1,1,2-Trichloroethane	7.979	97	39371	5.200	ug/L #	2
47) Tetrachloroethene	7.982	164	4744707	423.061	ug/L	97
48) 2-Hexanone	8.088	43	10871	2.818	ug/L #	68
49) Dibromochloromethane	7.979	129	4403585	424.462	ug/L #	11
53) m,p-xylene	9.146	106	2886	0.139	ug/L	89
60) Isopropylbenzene	10.451	105	4817	0.097	ug/L	98
61) 1,2,3-Trichloropropane	11.249	75	9006	1.522	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.541	105	2729	0.066	ug/L	93
63) 1,2,4-Trimethylbenzene	10.918	105	11195	0.273	ug/L	98
71) Naphthalene	13.506	128	10308	0.497	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration

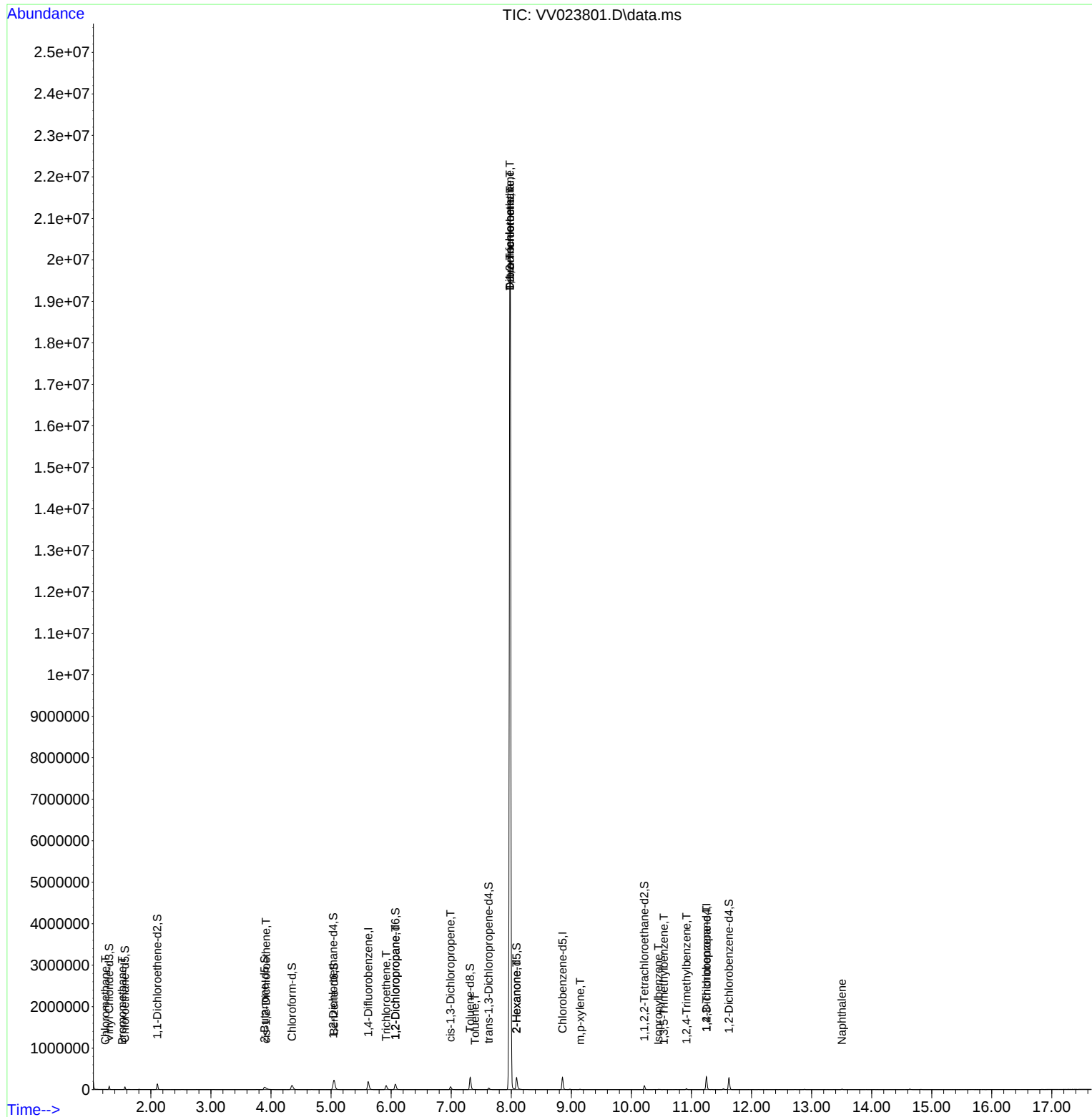
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

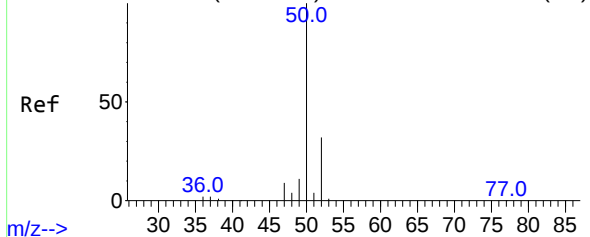
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QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration



Abundance Scan 62 (1.240 min): VV023791.D\data.ms (-54)



#3

Chloromethane

Concen: 0.053 ug/L

RT: 1.243 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV023801.D

Acq: 06 Dec 2021 16:32

Instrument :

MSVOA_V

ClientSampleId :

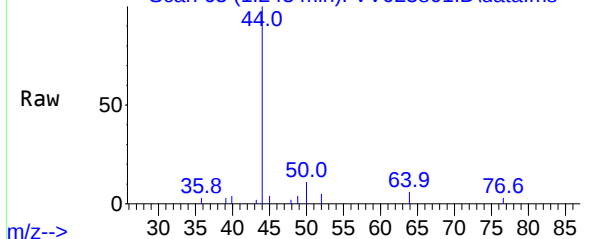
Tgt Ion: 50 Resp: 759

Ion Ratio Lower Upper

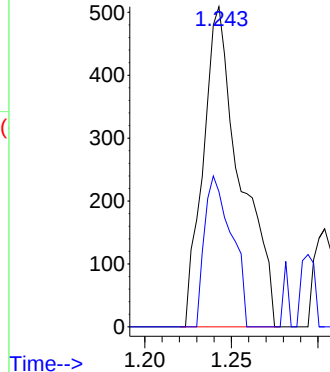
50 100

52 42.2 22.0 41.0#

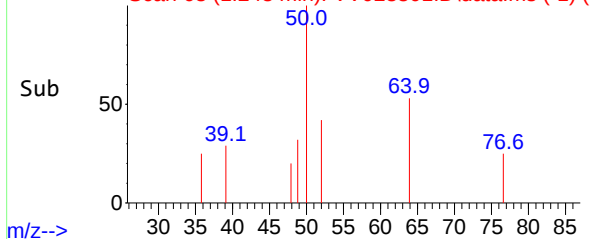
Abundance Scan 63 (1.243 min): VV023801.D\data.ms



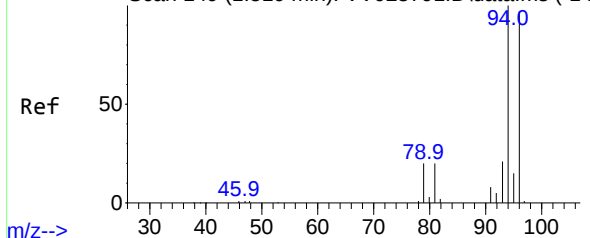
Abundance



Abundance Scan 63 (1.243 min): VV023801.D\data.ms (-1)



Abundance Scan 149 (1.519 min): VV023791.D\data.ms (-14)



#6

Bromomethane

Concen: 0.066 ug/L

RT: 1.523 min Scan# 150

Delta R.T. -0.000 min

Lab File: VV023801.D

Acq: 06 Dec 2021 16:32

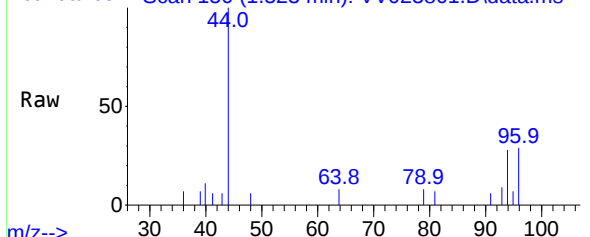
Tgt Ion: 94 Resp: 566

Ion Ratio Lower Upper

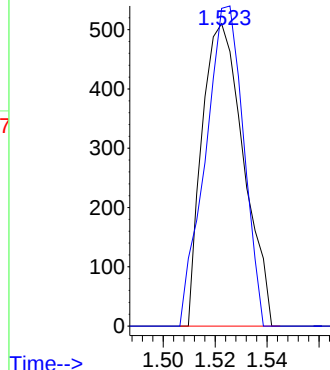
94 100

96 105.1 66.2 123.0

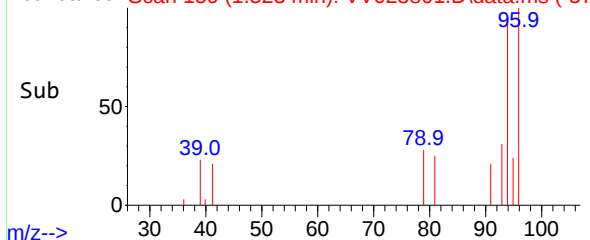
Abundance Scan 150 (1.523 min): VV023801.D\data.ms

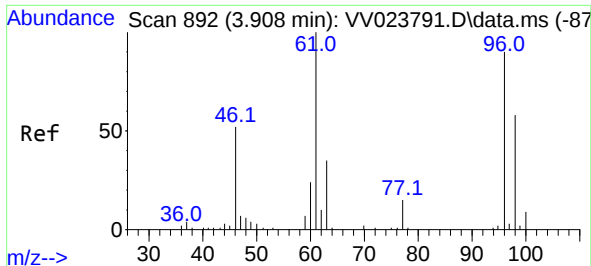


Abundance



Abundance Scan 150 (1.523 min): VV023801.D\data.ms (-57)

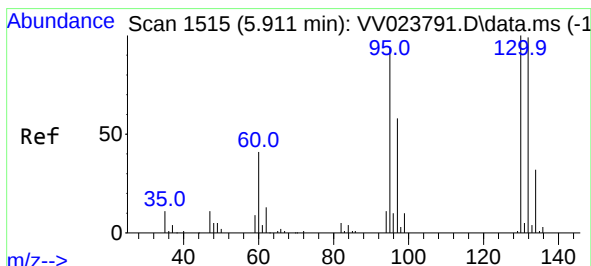
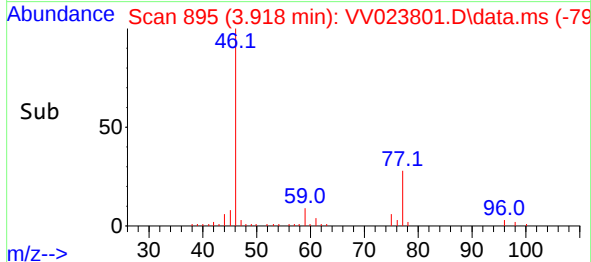
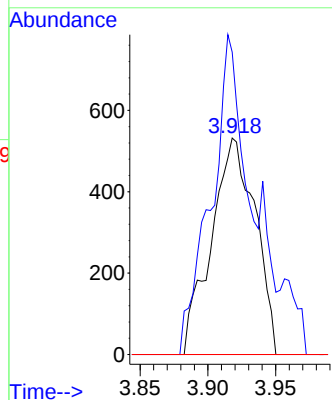
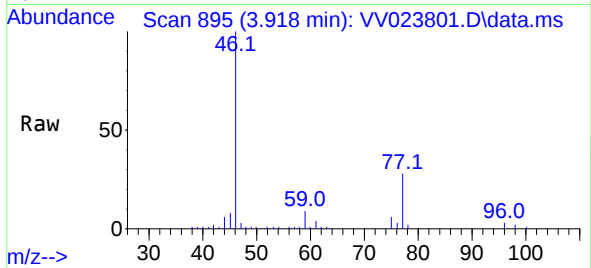




#22
cis-1,2-Dichloroethene
Concen: 0.095 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.010 min
Lab File: VV023801.D
Acq: 06 Dec 2021 16:32

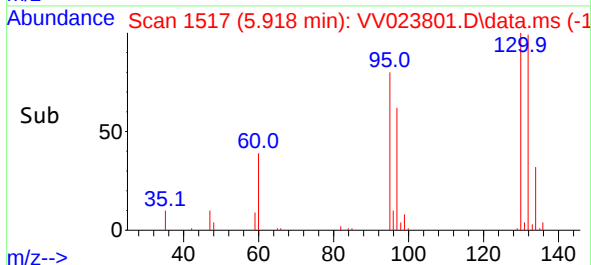
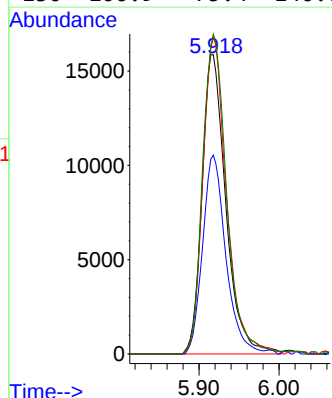
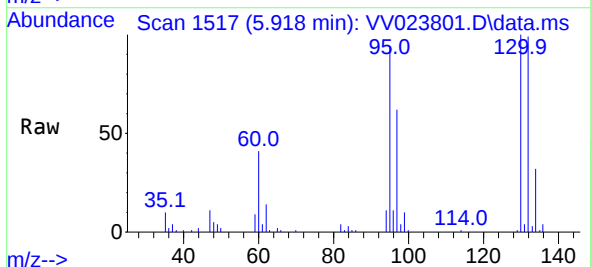
Instrument :
MSVOA_V
ClientSampleId :

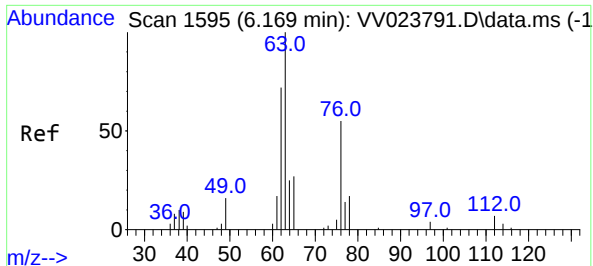
Tgt Ion: 96 Resp: 1201
Ion Ratio Lower Upper
96 100
61 139.7 83.4 154.8
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 2.669 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VV023801.D
Acq: 06 Dec 2021 16:32

Tgt Ion: 95 Resp: 32892
Ion Ratio Lower Upper
95 100
97 66.5 45.2 84.0
132 105.8 76.1 141.3
130 106.9 75.4 140.0

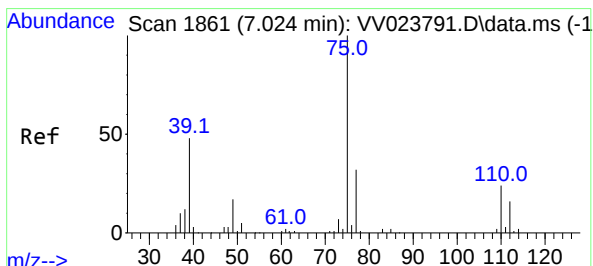
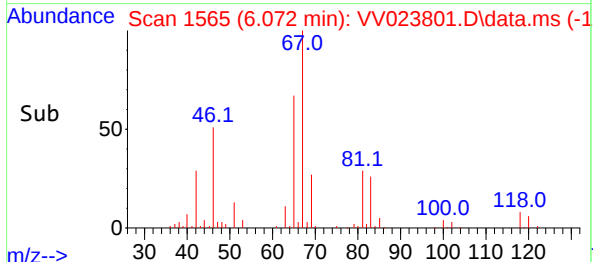
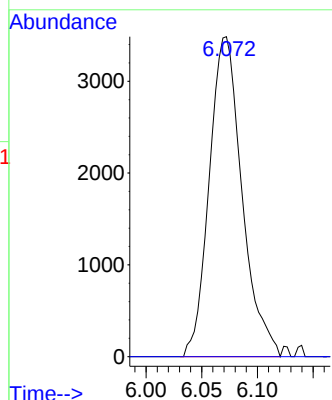
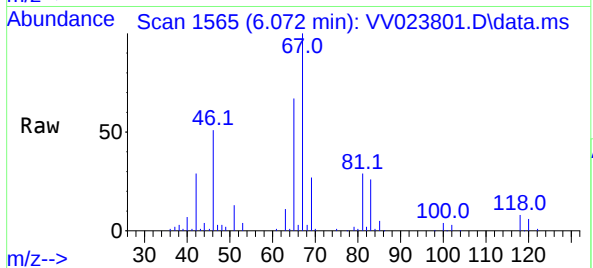




#37
1,2-Dichloropropane
Concen: 0.652 ug/L
RT: 6.072 min Scan# 11
Delta R.T. -0.097 min
Lab File: VV023801.D
Acq: 06 Dec 2021 16:32

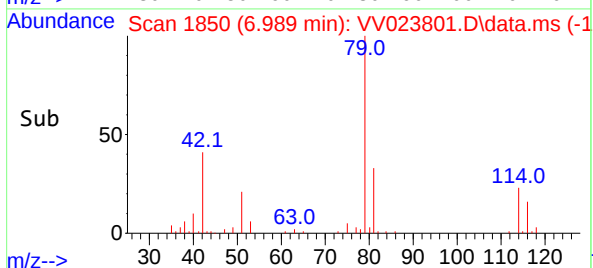
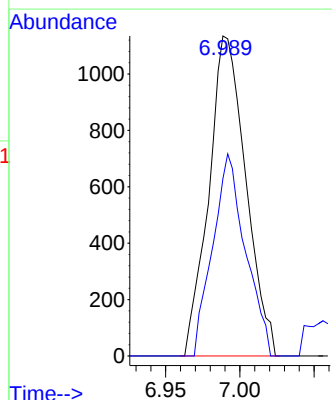
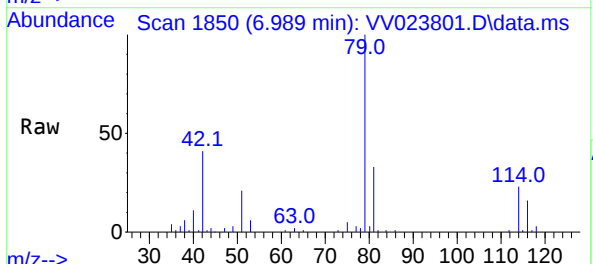
Instrument :
MSVOA_V
ClientSampleId :

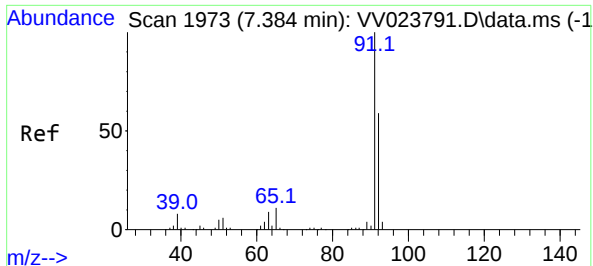
Tgt Ion: 63 Resp: 7129
Ion Ratio Lower Upper
63 100
112 0.0 4.3 6.5#



#39
cis-1,3-Dichloropropene
Concen: 0.126 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.035 min
Lab File: VV023801.D
Acq: 06 Dec 2021 16:32

Tgt Ion: 75 Resp: 1967
Ion Ratio Lower Upper
75 100
77 55.4 22.0 41.0#





#42

Toluene

Concen: 0.069 ug/L

RT: 7.400 min Scan# 1973

Delta R.T. 0.016 min

Lab File: VV023801.D

Acq: 06 Dec 2021 16:32

Instrument :

MSVOA_V

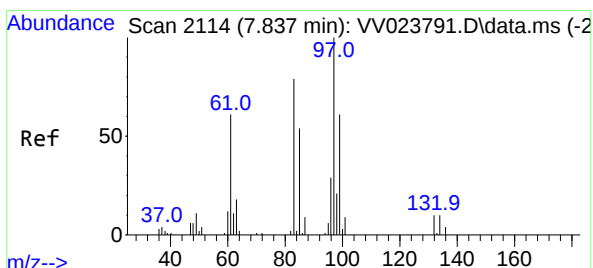
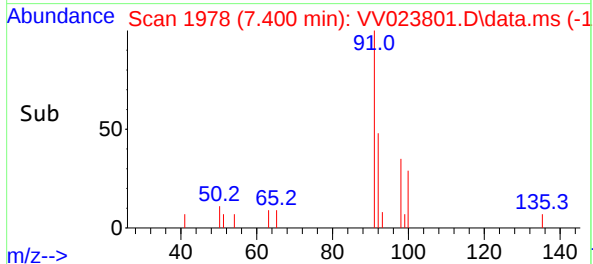
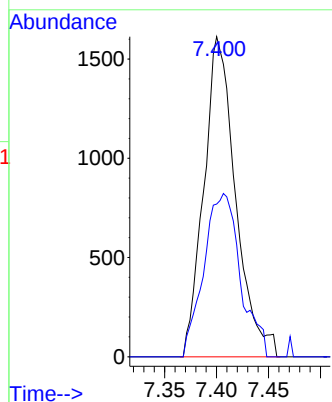
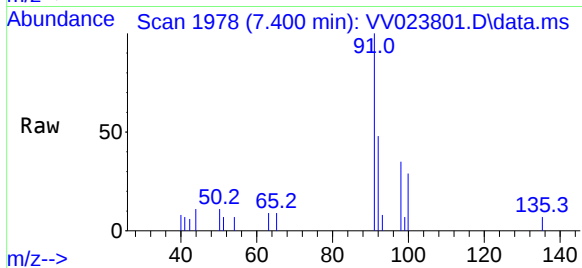
ClientSampleId :

Tgt Ion: 91 Resp: 3426

Ion Ratio Lower Upper

91 100

92 47.7 41.5 77.1



#45

1,1,2-Trichloroethane

Concen: 5.200 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.141 min

Lab File: VV023801.D

Acq: 06 Dec 2021 16:32

Tgt Ion: 97 Resp: 39371

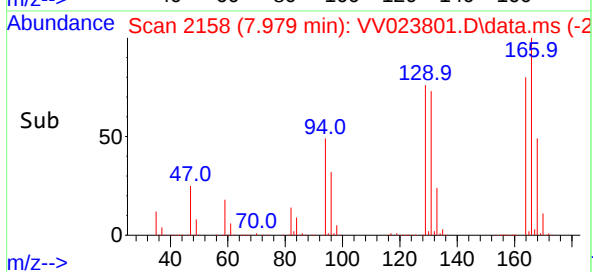
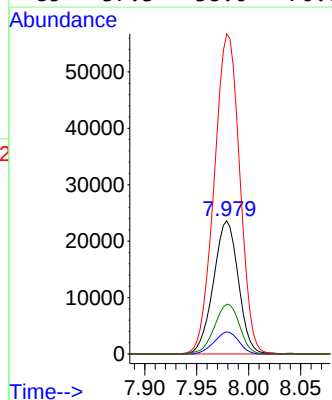
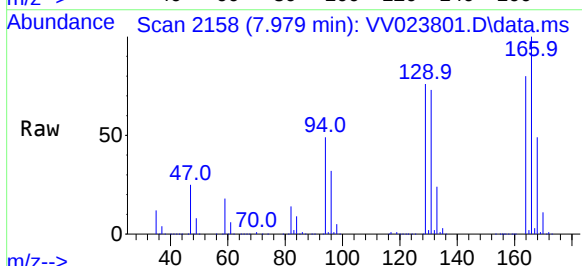
Ion Ratio Lower Upper

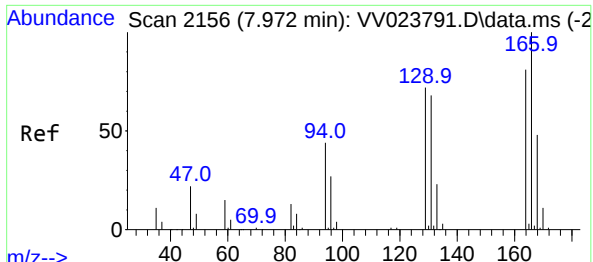
97 100

99 16.6 43.1 80.1#

83 240.3 57.9 107.5#

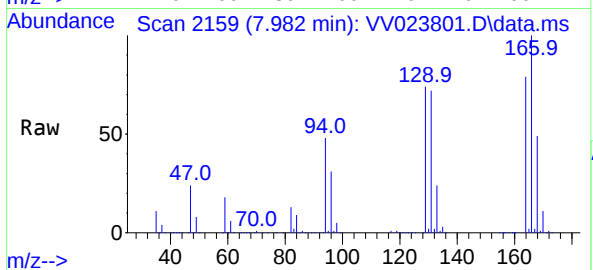
85 37.3 38.0 70.6#





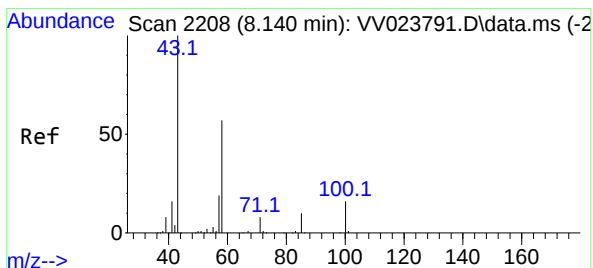
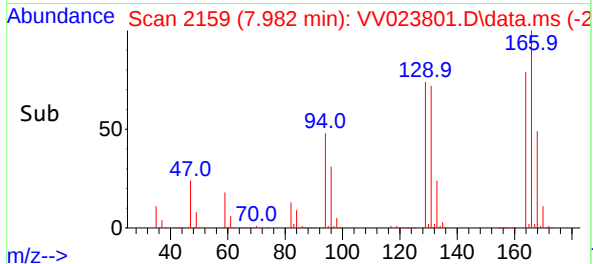
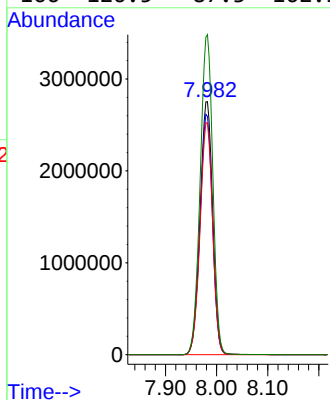
#47
Tetrachloroethene
Concen: 423.061 ug/L
RT: 7.982 min Scan# 2156
Delta R.T. 0.010 min
Lab File: VV023801.D
Acq: 06 Dec 2021 16:32

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 4744707

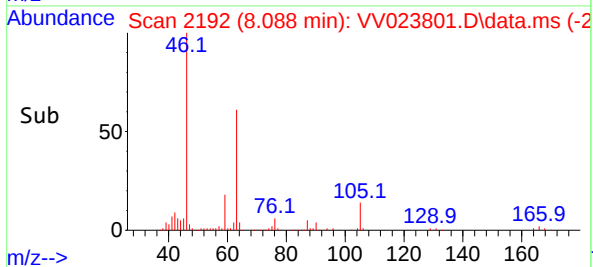
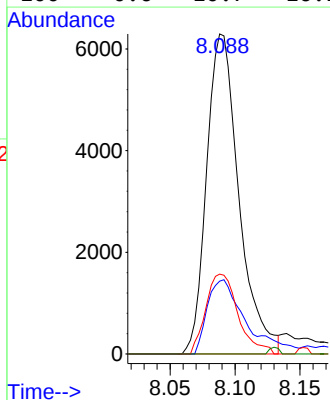
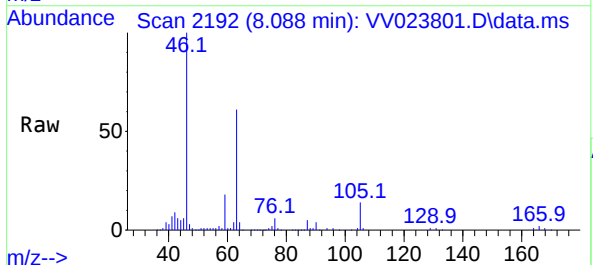
Ion	Ratio	Lower	Upper
164	100		
129	94.2	62.6	116.2
131	91.5	61.0	113.4
166	126.5	87.3	162.1

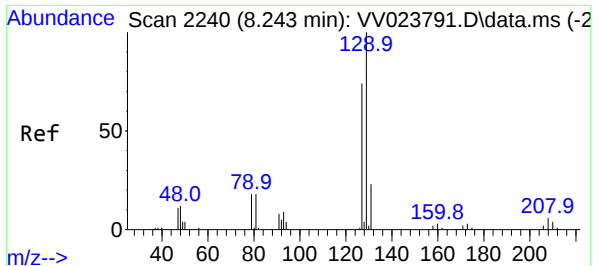


#48
2-Hexanone
Concen: 2.818 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. -0.052 min
Lab File: VV023801.D
Acq: 06 Dec 2021 16:32

Tgt Ion: 43 Resp: 10871

Ion	Ratio	Lower	Upper
43	100		
58	27.7	44.5	66.7#
57	24.9	15.1	22.7#
100	0.6	10.7	16.1#





#49

Dibromochloromethane

Concen: 424.462 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV023801.D

Acq: 06 Dec 2021 16:32

Instrument :

MSVOA_V

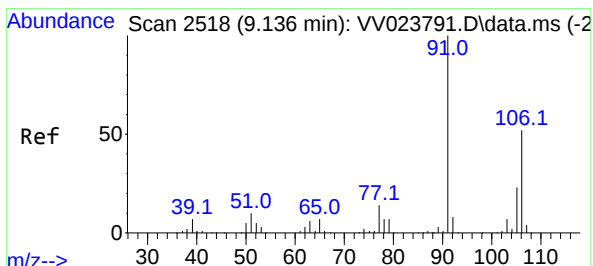
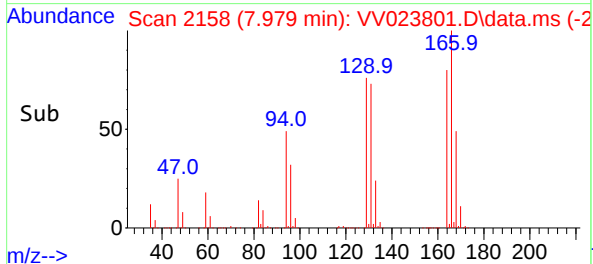
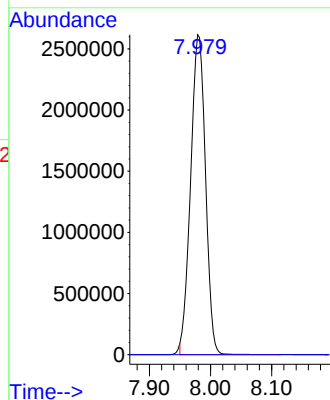
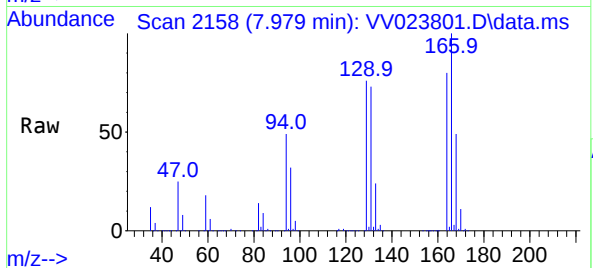
ClientSampleId :

Tgt Ion:129 Resp: 4403585

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#53

m,p-xylene

Concen: 0.139 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.010 min

Lab File: VV023801.D

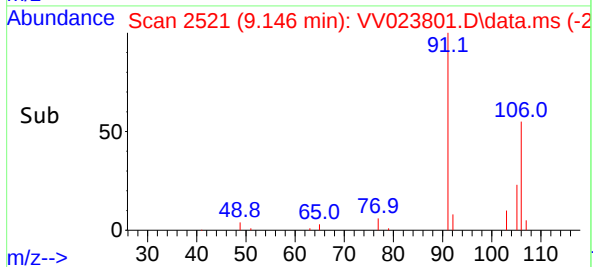
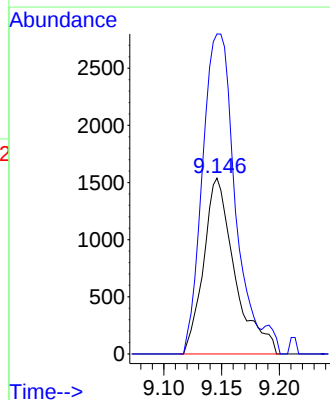
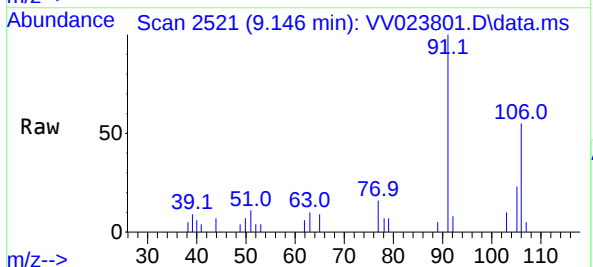
Acq: 06 Dec 2021 16:32

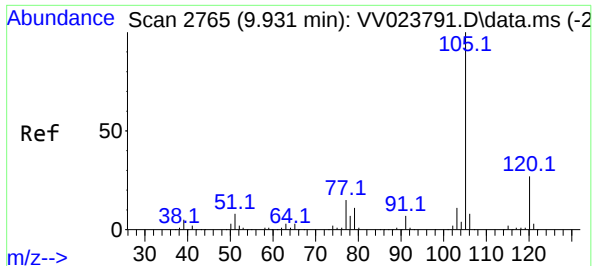
Tgt Ion:106 Resp: 2886

Ion Ratio Lower Upper

106 100

91 182.1 139.5 259.1

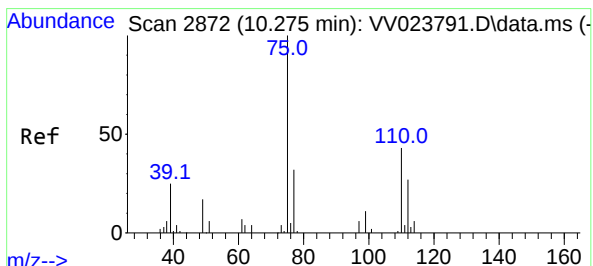
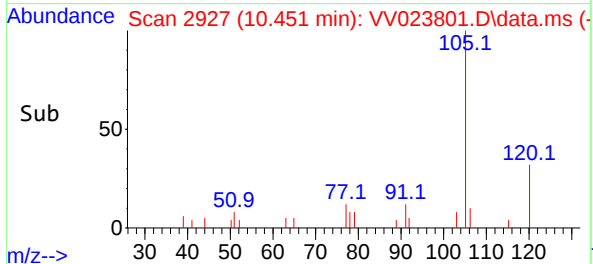
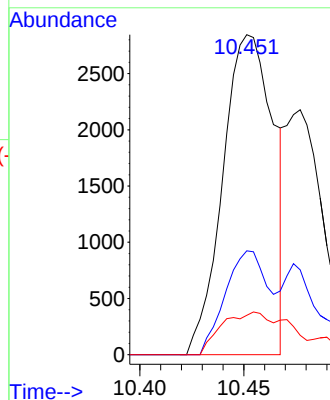
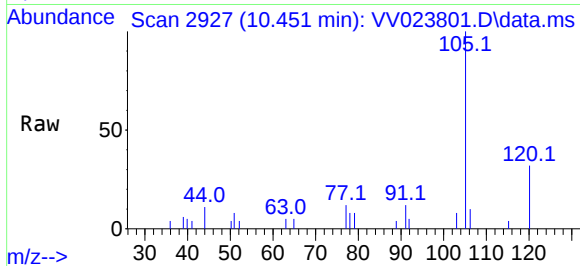




#60
Isopropylbenzene
Concen: 0.097 ug/L
RT: 10.451 min Scan# 241
Delta R.T. 0.521 min
Lab File: VV023801.D
Acq: 06 Dec 2021 16:32

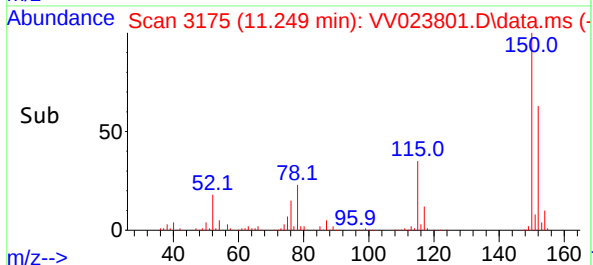
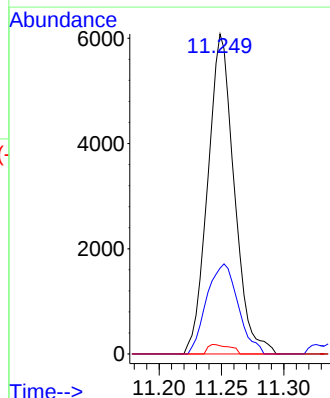
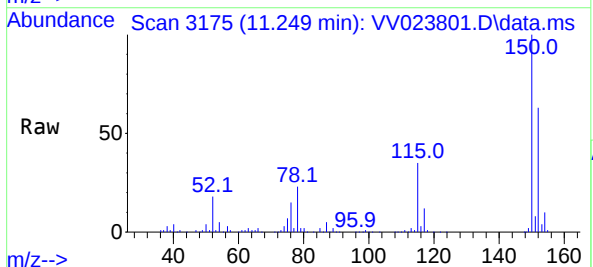
Instrument :
MSVOA_V
ClientSampleId :

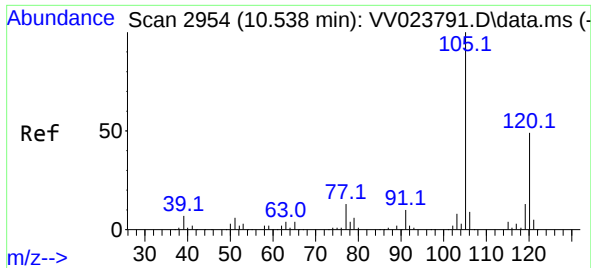
Tgt Ion:105 Resp: 4817
Ion Ratio Lower Upper
105 100
120 27.0 21.4 32.0
77 12.8 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 1.522 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV023801.D
Acq: 06 Dec 2021 16:32

Tgt Ion: 75 Resp: 9006
Ion Ratio Lower Upper
75 100
77 33.4 26.4 39.6
110 2.5 34.2 51.2#

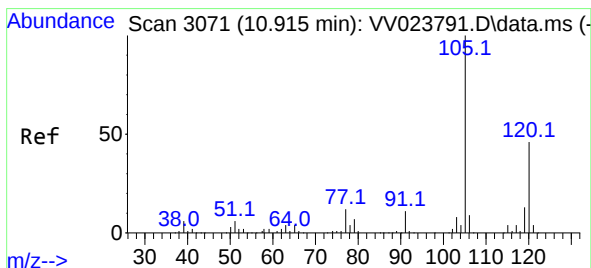
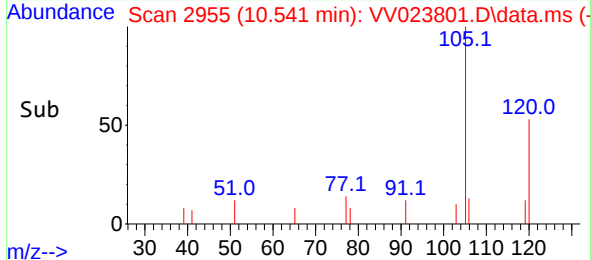
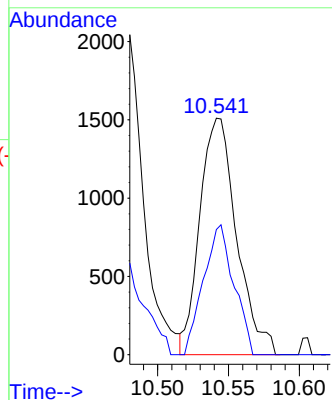
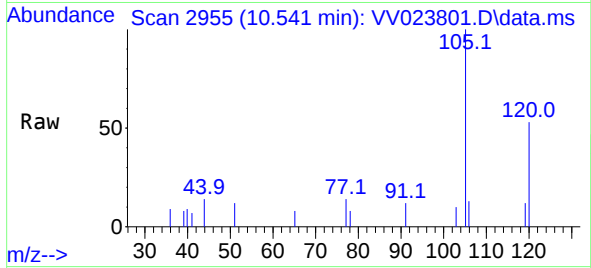




#62
1,3,5-Trimethylbenzene
Concen: 0.066 ug/L
RT: 10.541 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VV023801.D
Acq: 06 Dec 2021 16:32

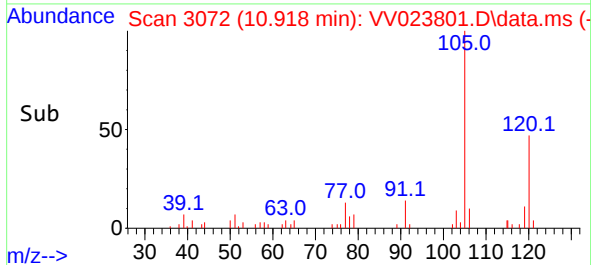
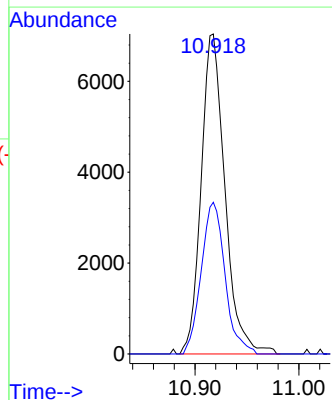
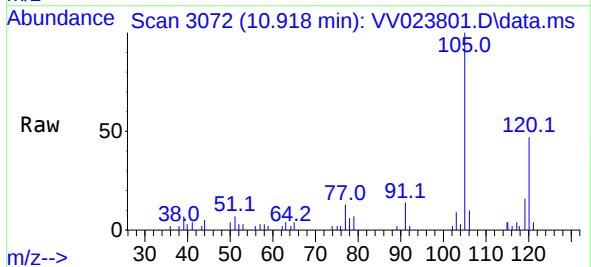
Instrument :
MSVOA_V
ClientSampleId :

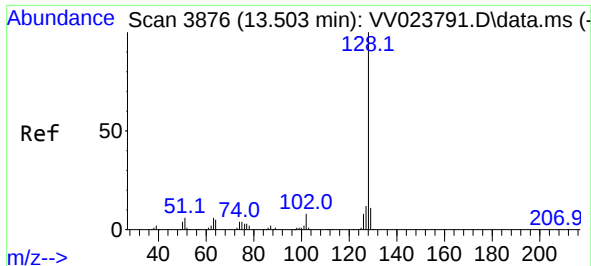
Tgt Ion:105 Resp: 2729
Ion Ratio Lower Upper
105 100
120 45.4 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 0.273 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.006 min
Lab File: VV023801.D
Acq: 06 Dec 2021 16:32

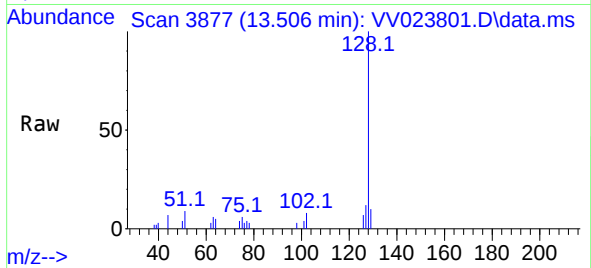
Tgt Ion:105 Resp: 11195
Ion Ratio Lower Upper
105 100
120 47.4 36.7 55.1





#71
Naphthalene
Concen: 0.497 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV023801.D
Acq: 06 Dec 2021 16:32

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 10308

Ion	Ratio	Lower	Upper
128	100		
129	9.6	9.0	13.4
127	13.1	10.2	15.4

