

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120621\
 Data File : VW023793.D
 Acq On : 06 Dec 2021 13:21
 Operator : SY/MD
 Sample : M4979-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 07 05:29:44 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	5.612	114	154611	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	146679	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	81345	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	4993	0.393	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	7.800%#
7) Chloroethane-d5	1.568	69	7640	0.766	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	15.400%#
11) 1,1-Dichloroethene-d2	2.108	63	4134	0.185	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	3.600%#
20) 2-Butanone-d5	3.889	46	81149	53.184	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.360%
24) Chloroform-d	4.346	84	29349	1.328	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	26.600%#
26) 1,2-Dichloroethane-d4	5.034	65	17132	1.659	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	33.200%#
32) Benzene-d6	5.050	84	25334	0.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	12.600%#
36) 1,2-Dichloropropane-d6	6.072	67	14544	1.298	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	26.000%#
41) Toluene-d8	7.320	98	11970	0.321	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	6.400%#
43) trans-1,3-Dichloroprop...	7.625	79	4922	1.090	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	21.800%#
46) 2-Hexanone-d5	8.085	63	67234	44.817	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.640%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23404	2.903	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	58.000%#
66) 1,2-Dichlorobenzene-d4	11.625	152	19740	1.373	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	27.400%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	3922	0.293	ug/L	94
8) Chloroethane	1.307	64	1515	0.179	ug/L #	61
13) Acetone	2.185	43	21207	15.446	ug/L	80
15) Methyl Acetate	2.433	43	1906	0.612	ug/L #	50
17) Methyl tert-butyl Ether	2.767	73	14954	0.704	ug/L #	1
18) trans-1,2-Dichloroethene	2.760	96	3822	0.324	ug/L	88
22) cis-1,2-Dichloroethene	3.905	96	154375	13.643	ug/L	100
25) Chloroform	4.403	83	12987	0.588	ug/L #	34
30) Cyclohexane	4.670	56	46829	2.928	ug/L	95
33) Benzene	5.095	78	214772	5.136	ug/L	100
34) Trichloroethene	5.908	95	112615	10.053	ug/L	97
35) Methylcyclohexane	6.127	83	38694	2.216	ug/L	95
38) Bromodichloromethane	6.564	83	7016	0.520	ug/L #	27
42) Toluene	7.387	91	43200	0.953	ug/L	99
45) 1,1,2-Trichloroethane	7.783	97	5449	0.792	ug/L #	22
47) Tetrachloroethene	7.972	164	373818	36.663	ug/L	99
49) Dibromochloromethane	7.972	129	325298	34.490	ug/L #	11
52) Ethylbenzene	9.011	91	121005	2.553	ug/L	99
53) m,p-xylene	9.136	106	96185	5.098	ug/L	99

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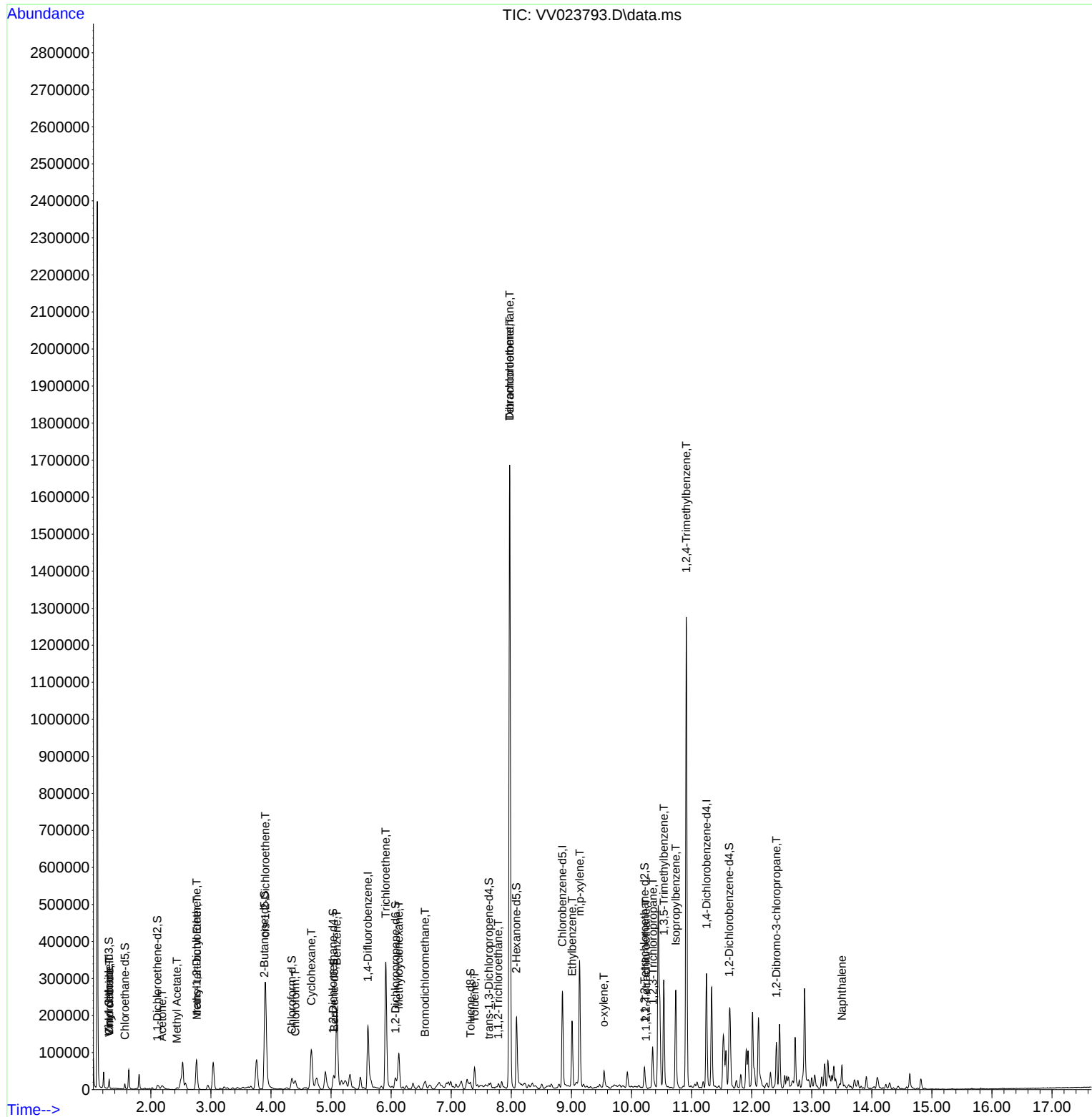
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.542	106	12152	0.677	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.242	83	1043	0.136	ug/L #	26
60) Isopropylbenzene	10.738	105	157040	3.233	ug/L	92
61) 1,2,3-Trichloropropane	10.355	75	488	0.085	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	151842	3.757	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	673829	16.859	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	463	0.404	ug/L #	1
71) Naphthalene	13.503	128	46050	2.275	ug/L	98

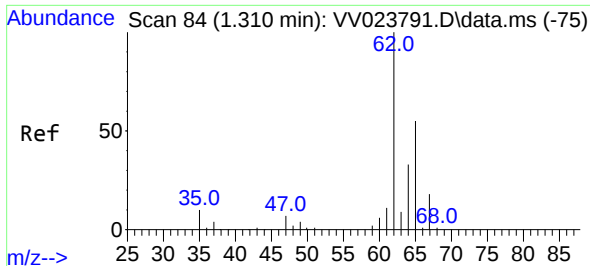
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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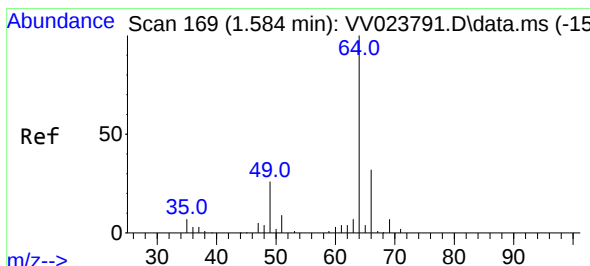
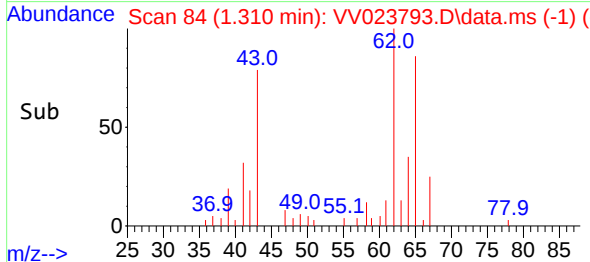
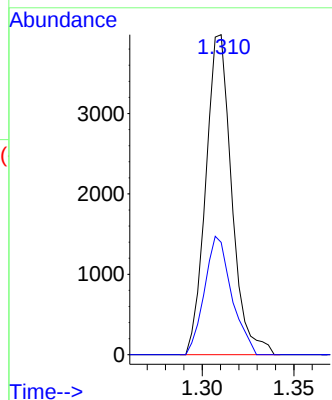
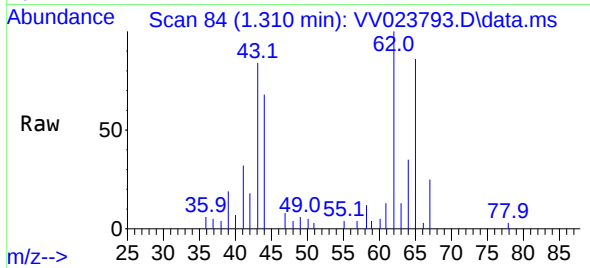




#5
 Vinyl chloride
 Concen: 0.293 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023793.D
 Acq: 06 Dec 2021 13:21

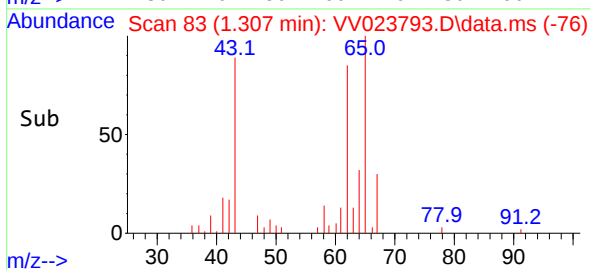
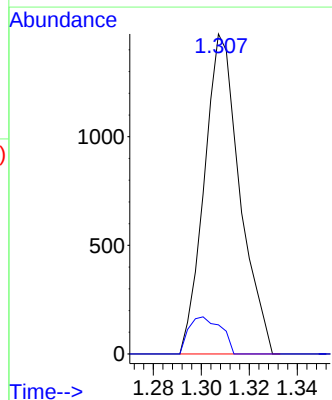
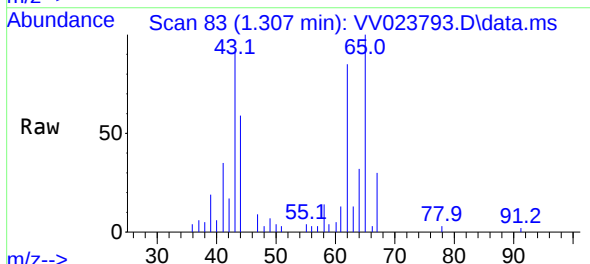
Instrument :
 MSVOA_V
 ClientSampleId :

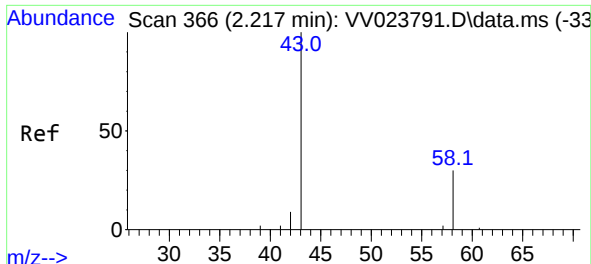
Tgt Ion: 62 Resp: 3922
 Ion Ratio Lower Upper
 62 100
 64 35.1 22.4 41.6



#8
 Chloroethane
 Concen: 0.179 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.277 min
 Lab File: VV023793.D
 Acq: 06 Dec 2021 13:21

Tgt Ion: 64 Resp: 1515
 Ion Ratio Lower Upper
 64 100
 66 9.1 21.4 39.8#





#13

Acetone

Concen: 15.446 ug/L

RT: 2.185 min Scan# 3

Delta R.T. -0.039 min

Lab File: VV023793.D

Acq: 06 Dec 2021 13:21

Instrument :

MSVOA_V

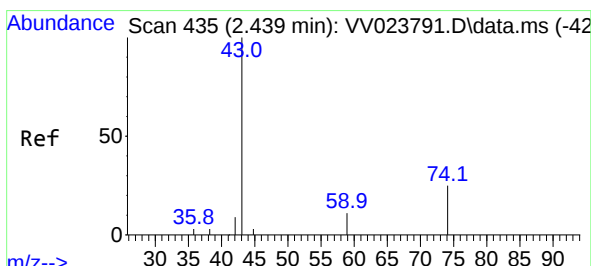
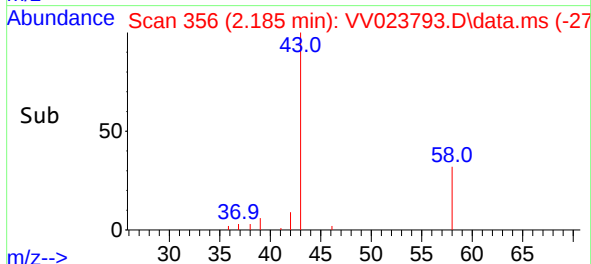
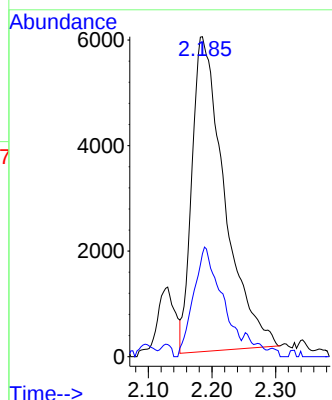
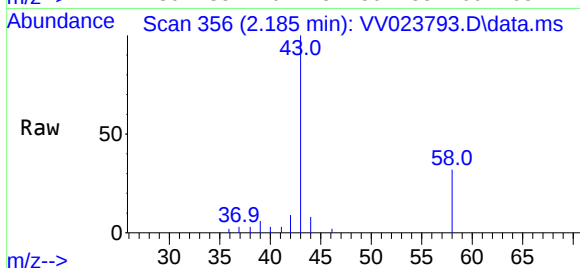
ClientSampleId :

Tgt Ion: 43 Resp: 21207

Ion Ratio Lower Upper

43 100

58 30.1 0.0 41.4



#15

Methyl Acetate

Concen: 0.612 ug/L

RT: 2.433 min Scan# 433

Delta R.T. -0.010 min

Lab File: VV023793.D

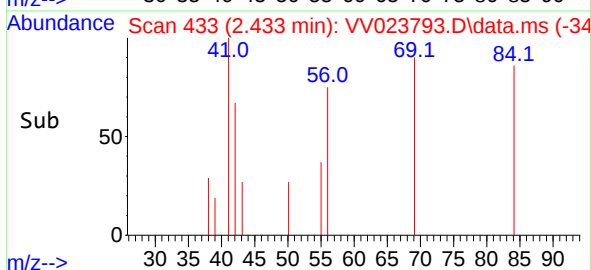
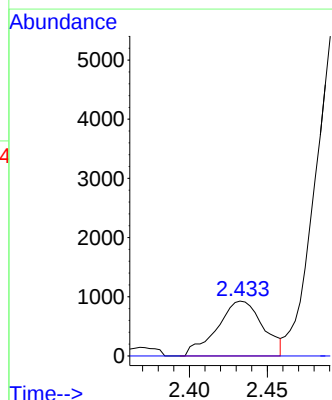
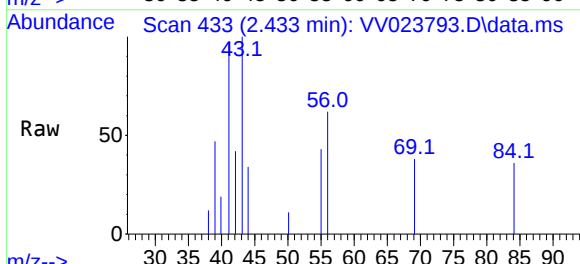
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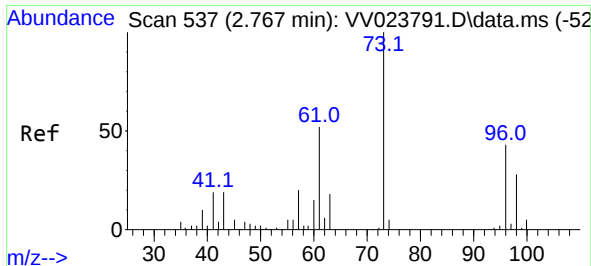
Tgt Ion: 43 Resp: 1906

Ion Ratio Lower Upper

43 100

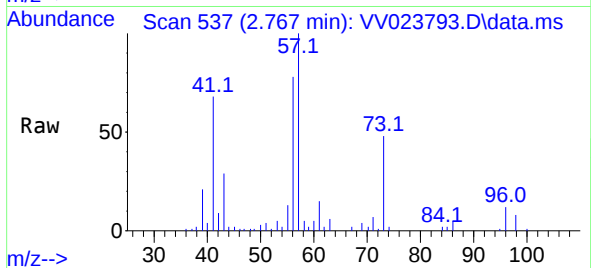
74 0.0 20.2 30.2#



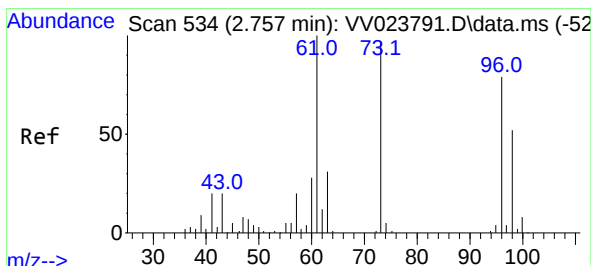
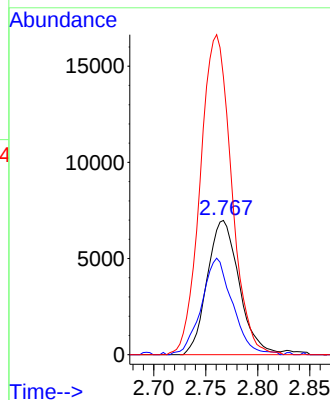
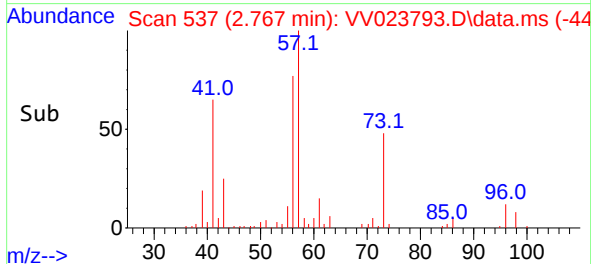


#17
Methyl tert-butyl Ether
Concen: 0.704 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

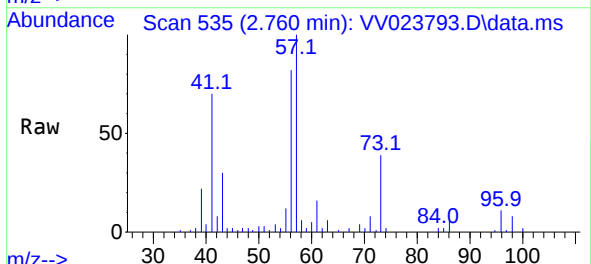
Instrument :
MSVOA_V
ClientSampleId :



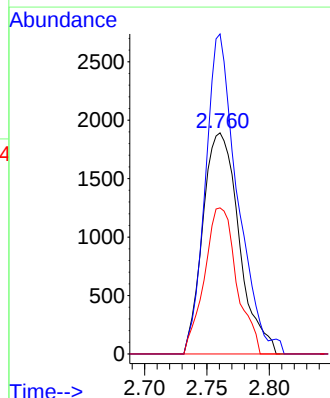
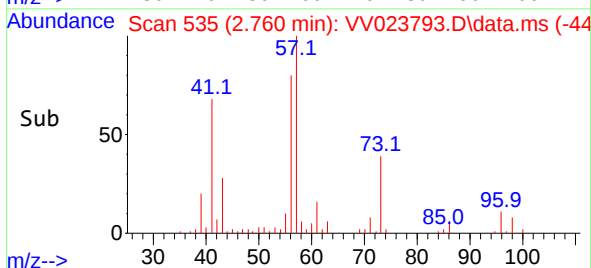
Tgt Ion: 73 Resp: 14954
Ion Ratio Lower Upper
73 100
43 69.6 15.5 23.3#
57 233.3 17.1 25.7#

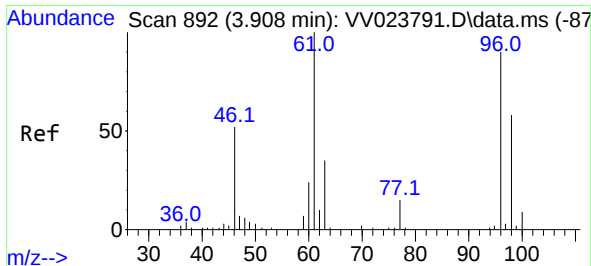


#18
trans-1,2-Dichloroethene
Concen: 0.324 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21



Tgt Ion: 96 Resp: 3822
Ion Ratio Lower Upper
96 100
61 144.7 88.2 163.8
98 66.1 44.9 83.5





#22

cis-1,2-Dichloroethene

Concen: 13.643 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.003 min

Lab File: VV023793.D

Acq: 06 Dec 2021 13:21

Instrument :

MSVOA_V

ClientSampleId :

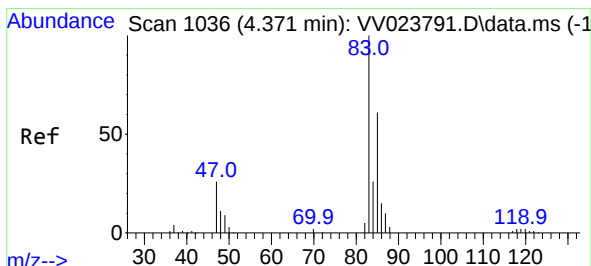
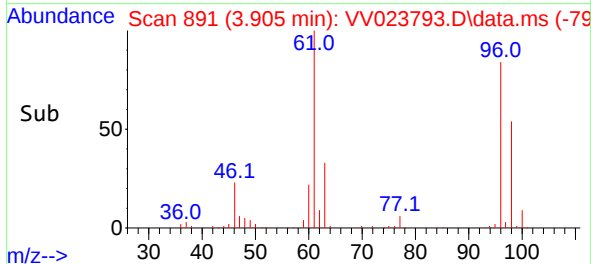
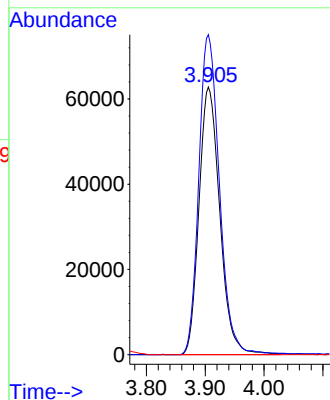
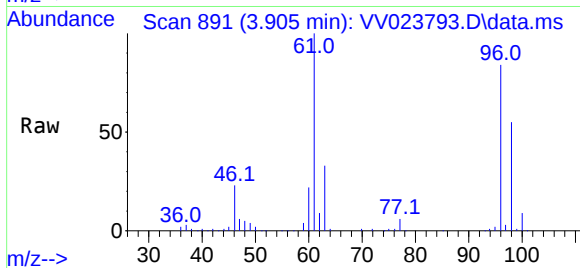
Tgt Ion: 96 Resp: 154375

Ion Ratio Lower Upper

96 100

61 119.5 83.4 154.8

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.588 ug/L

RT: 4.403 min Scan# 1046

Delta R.T. 0.032 min

Lab File: VV023793.D

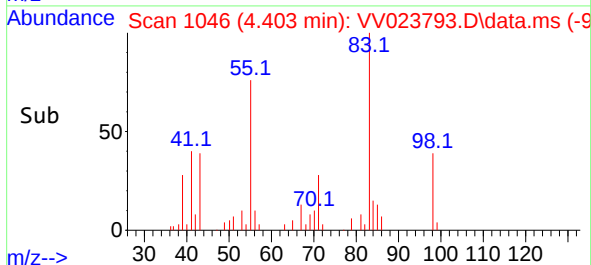
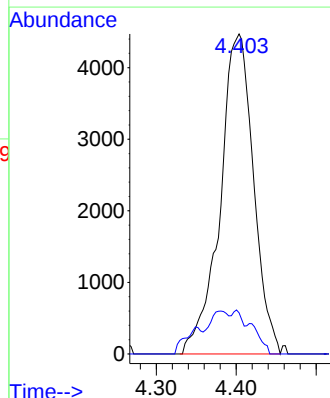
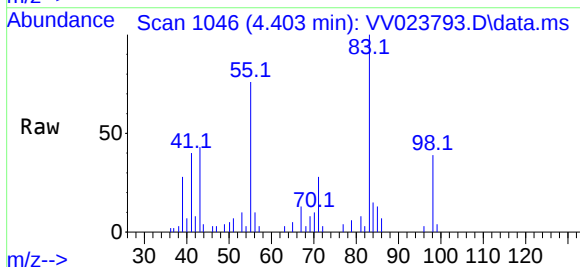
Acq: 06 Dec 2021 13:21

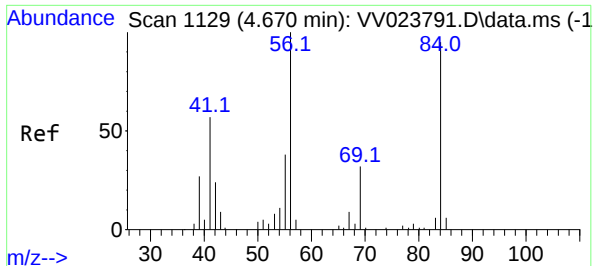
Tgt Ion: 83 Resp: 12987

Ion Ratio Lower Upper

83 100

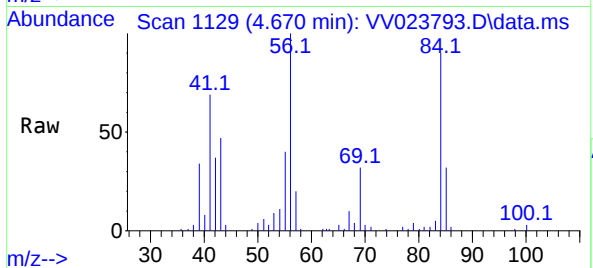
85 12.9 45.2 84.0#





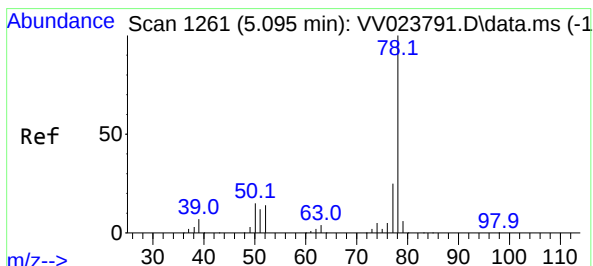
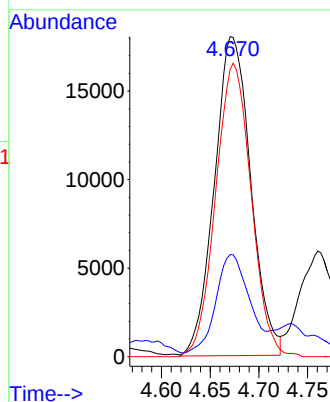
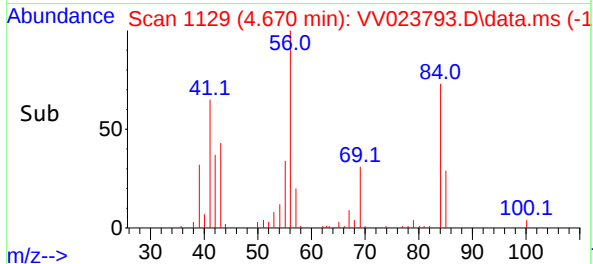
#30
Cyclohexane
Concen: 2.928 ug/L
RT: 4.670 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

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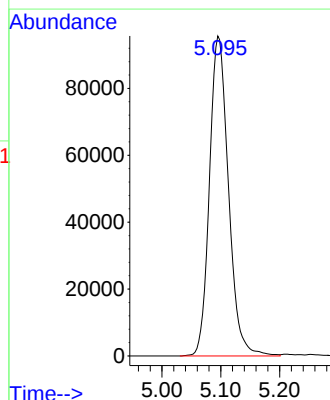
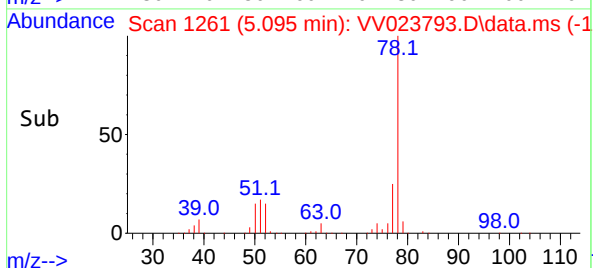
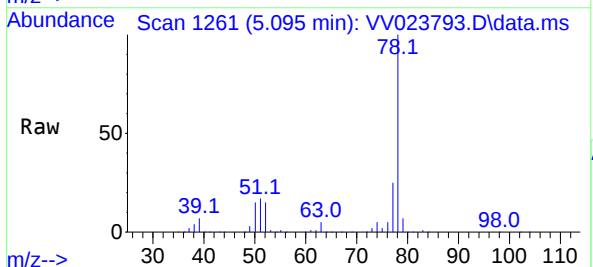
Tgt Ion: 56 Resp: 46829

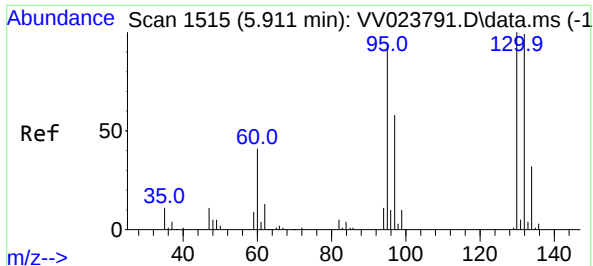
Ion	Ratio	Lower	Upper
56	100		
69	28.3	24.8	37.2
84	89.7	75.9	113.9



#33
Benzene
Concen: 5.136 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

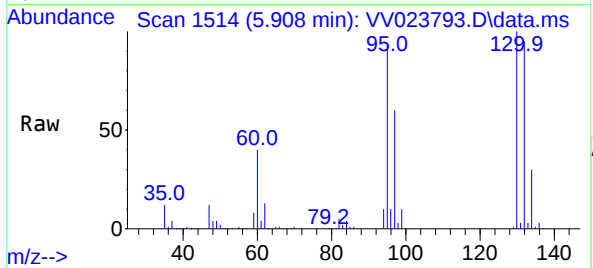
Tgt Ion: 78 Resp: 214772



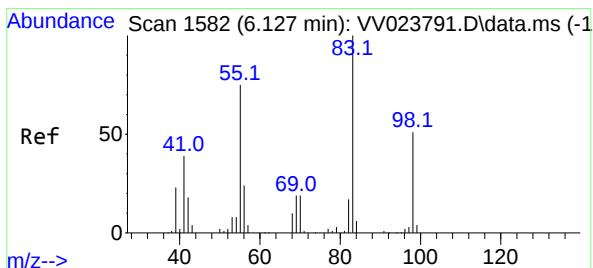
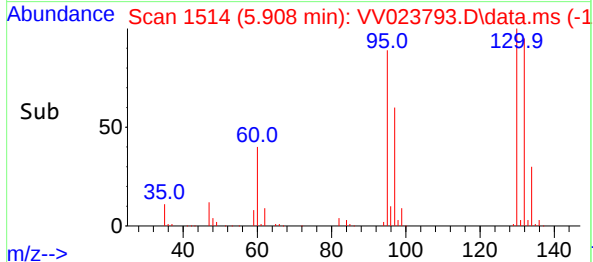
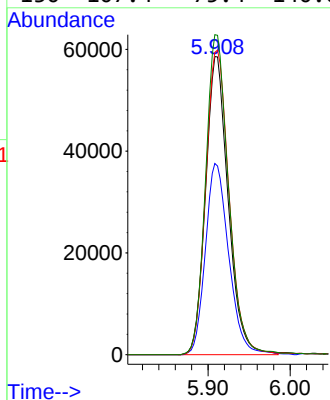


#34
Trichloroethene
Concen: 10.053 ug/L
RT: 5.908 min Scan# 11
Delta R.T. -0.003 min
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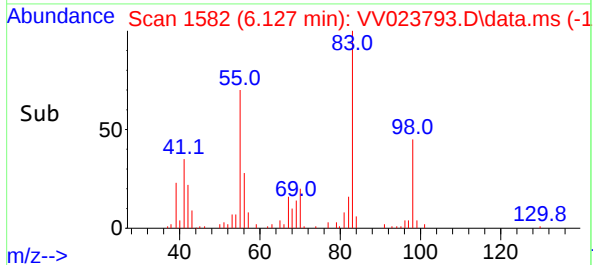
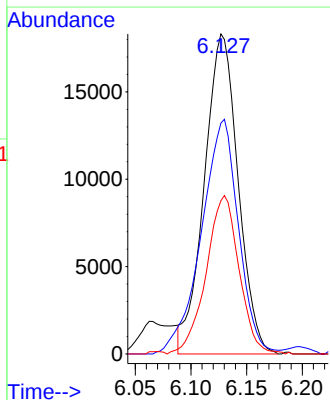
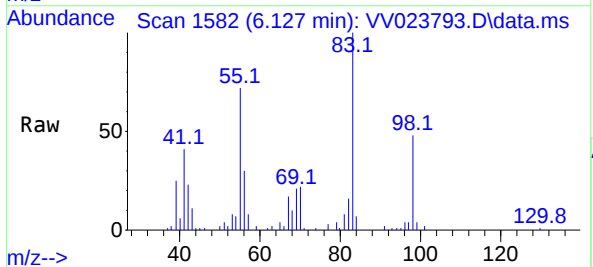


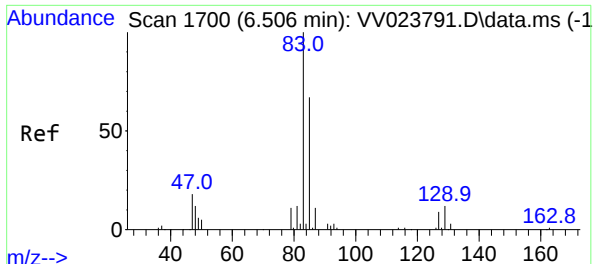
Tgt Ion: 95 Resp: 112615
Ion Ratio Lower Upper
95 100
97 64.1 45.2 84.0
132 101.5 76.1 141.3
130 107.4 75.4 140.0



#35
Methylcyclohexane
Concen: 2.216 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

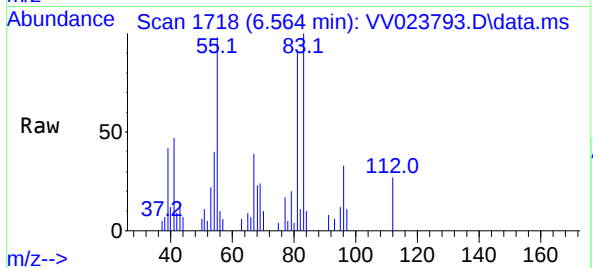
Tgt Ion: 83 Resp: 38694
Ion Ratio Lower Upper
83 100
55 80.6 60.2 90.2
98 48.2 41.0 61.4



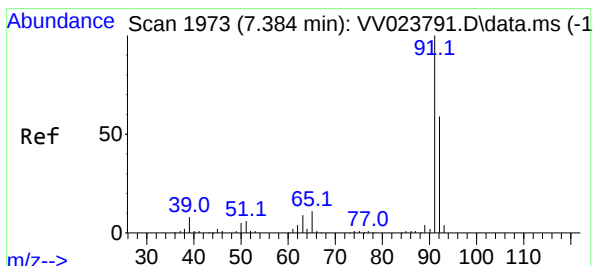
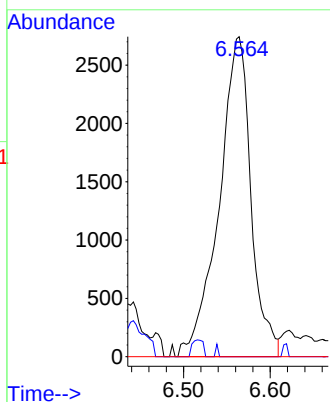
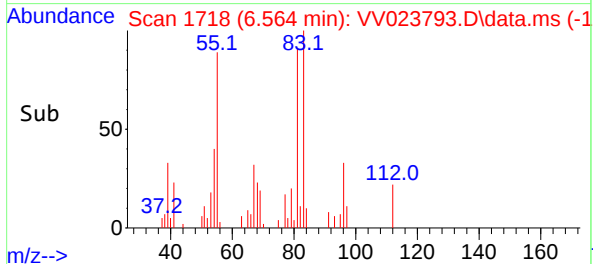


#38
Bromodichloromethane
Concen: 0.520 ug/L
RT: 6.564 min Scan# 11
Delta R.T. 0.058 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

Instrument :
MSVOA_V
ClientSampleId :

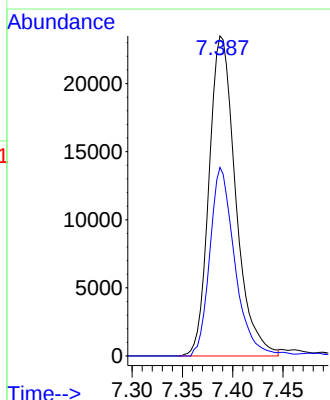
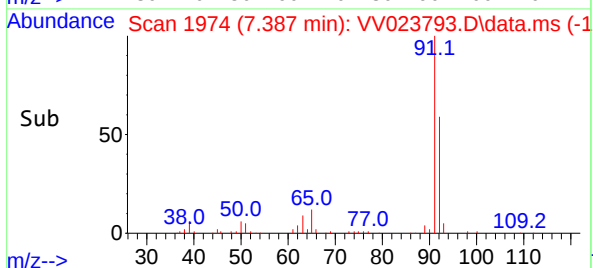
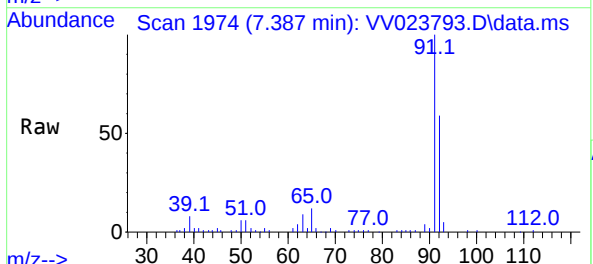


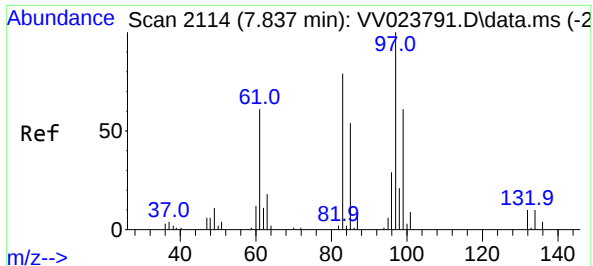
Tgt Ion: 83 Resp: 7016
Ion Ratio Lower Upper
83 100
85 0.0 44.0 81.8#
127 0.0 8.6 12.8#



#42
Toluene
Concen: 0.953 ug/L
RT: 7.387 min Scan# 1974
Delta R.T. 0.003 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

Tgt Ion: 91 Resp: 43200
Ion Ratio Lower Upper
91 100
92 58.9 41.5 77.1



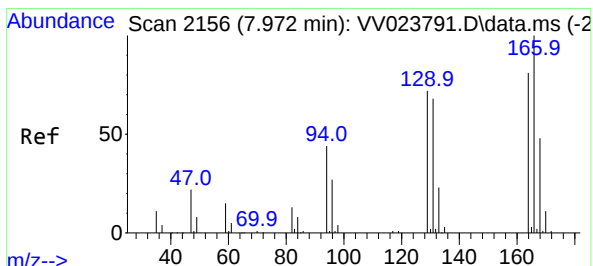
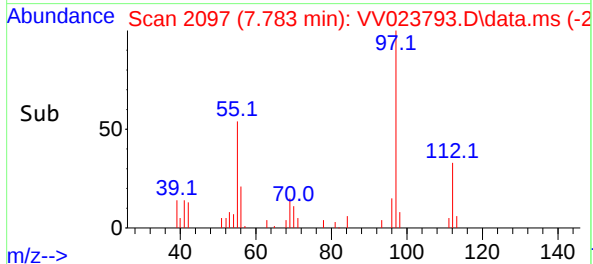
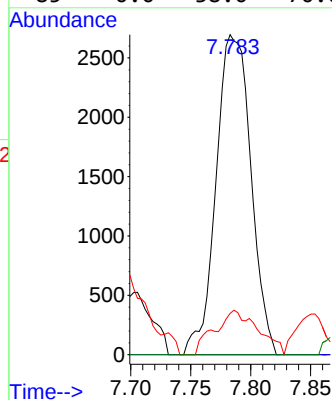
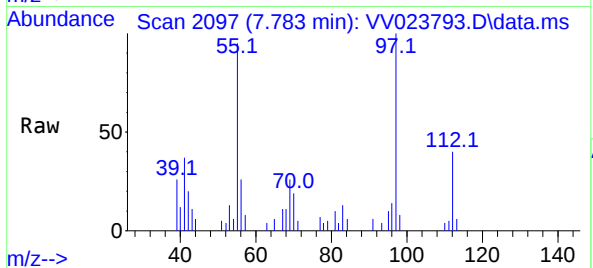


#45
1,1,2-Trichloroethane
Concen: 0.792 ug/L
RT: 7.783 min Scan# 2097
Delta R.T. -0.055 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 5449

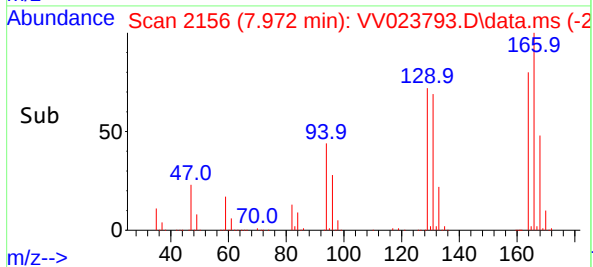
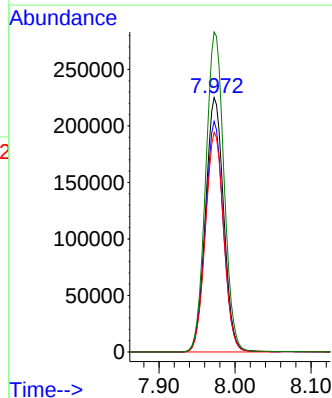
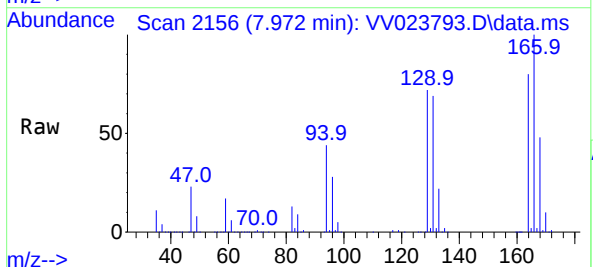
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.1	80.1#
83	12.9	57.9	107.5#
85	0.0	38.0	70.6#

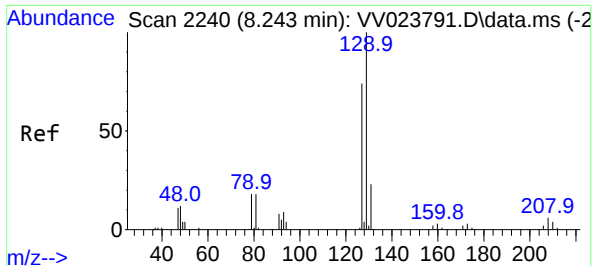


#47
Tetrachloroethene
Concen: 36.663 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.000 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

Tgt Ion: 164 Resp: 373818

Ion	Ratio	Lower	Upper
164	100		
129	90.6	62.6	116.2
131	86.3	61.0	113.4
166	125.8	87.3	162.1





#49

Dibromochloromethane

Concen: 34.490 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV023793.D

Acq: 06 Dec 2021 13:21

Instrument :

MSVOA_V

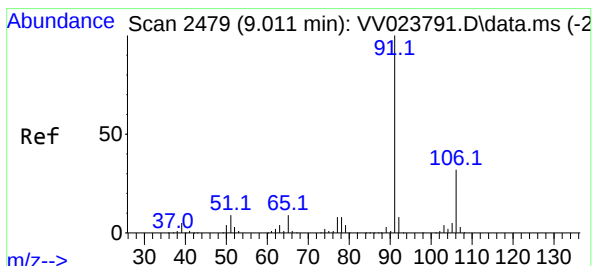
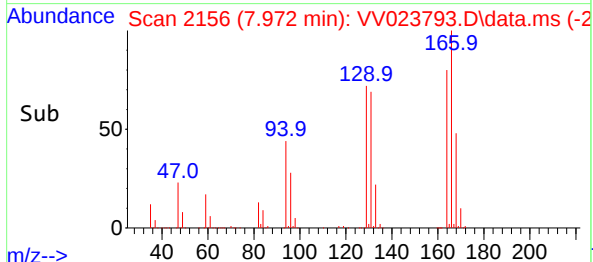
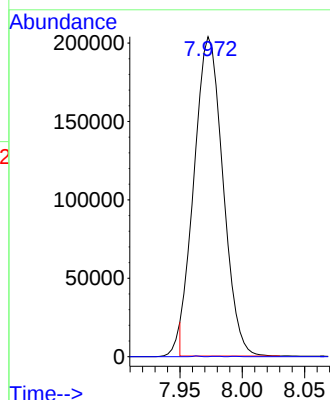
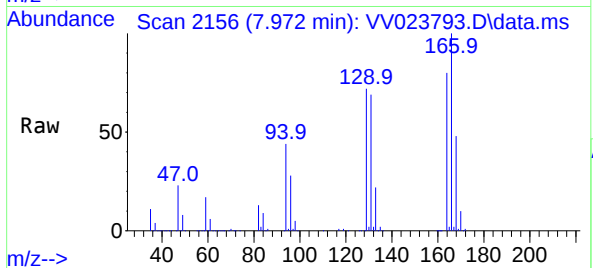
ClientSampleId :

Tgt Ion:129 Resp: 325298

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#52

Ethylbenzene

Concen: 2.553 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV023793.D

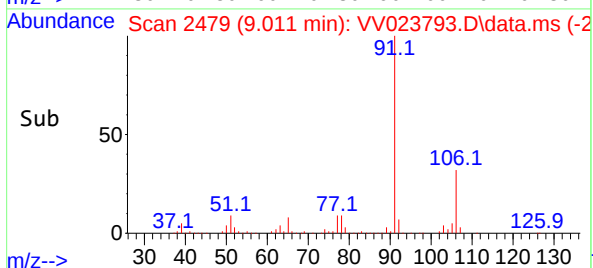
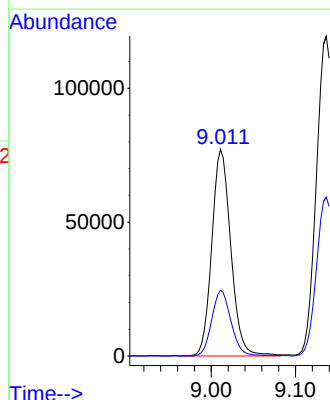
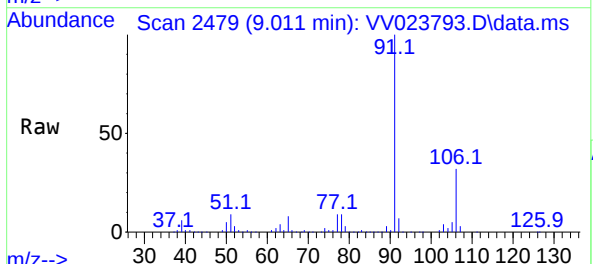
Acq: 06 Dec 2021 13:21

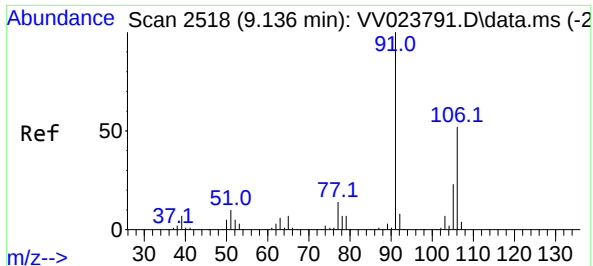
Tgt Ion: 91 Resp: 121005

Ion Ratio Lower Upper

91 100

106 31.8 22.0 41.0

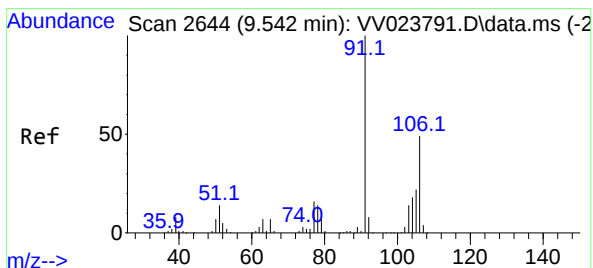
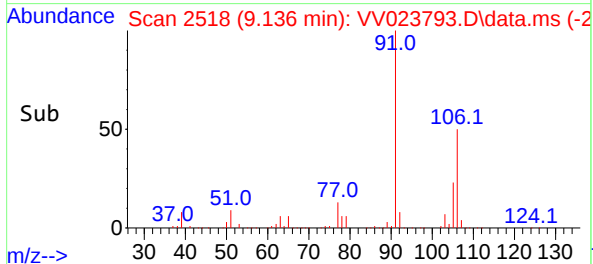
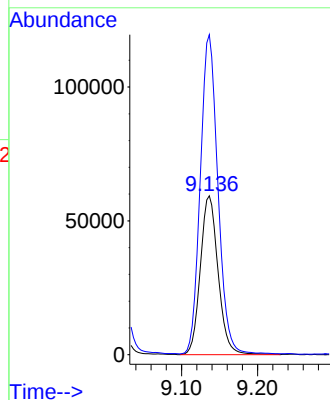
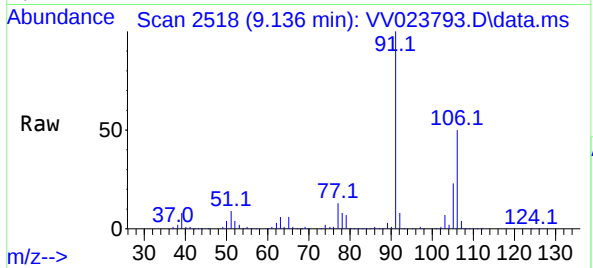




#53
m,p-xylene
Concen: 5.098 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

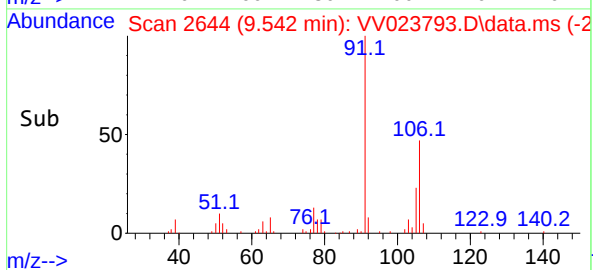
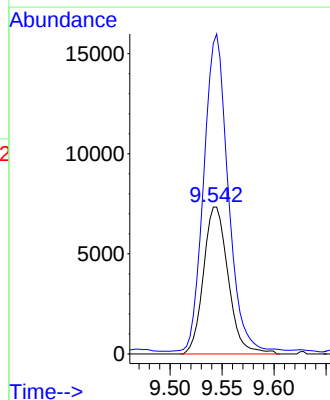
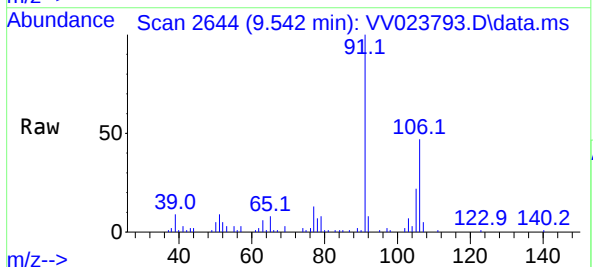
Instrument :
MSVOA_V
ClientSampleId :

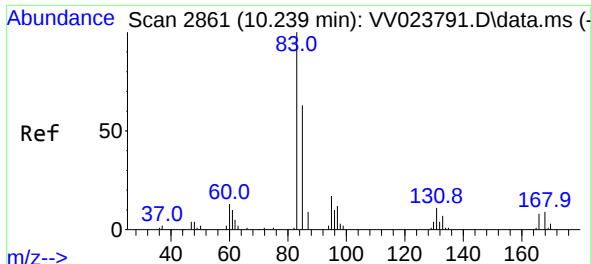
Tgt Ion:106 Resp: 96185
Ion Ratio Lower Upper
106 100
91 201.5 139.5 259.1



#54
o-xylene
Concen: 0.677 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

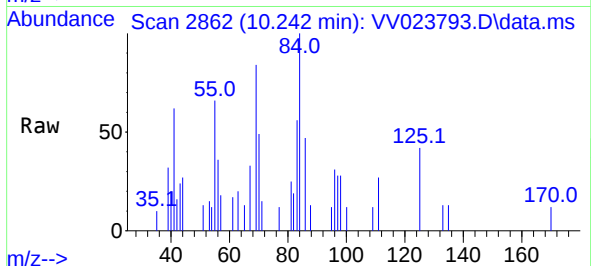
Tgt Ion:106 Resp: 12152
Ion Ratio Lower Upper
106 100
91 211.5 147.9 274.7



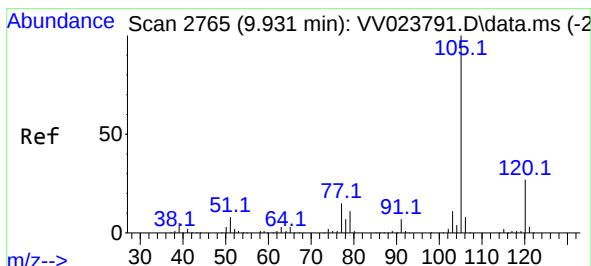
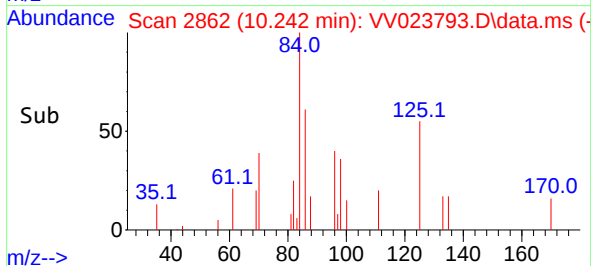
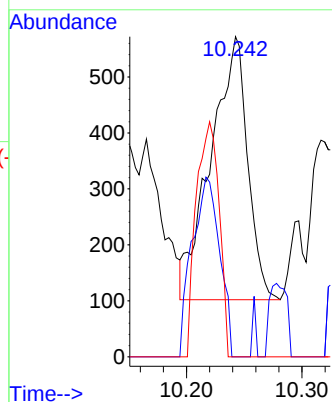


#57
1,1,2,2-Tetrachloroethane
Concen: 0.136 ug/L
RT: 10.242 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

Instrument :
MSVOA_V
ClientSampleId :

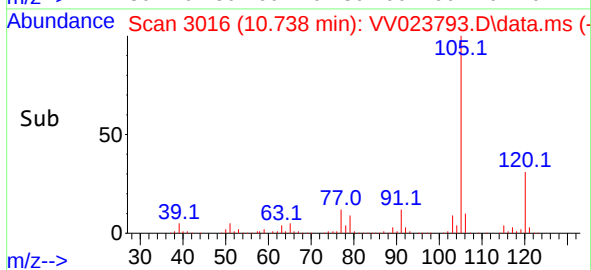
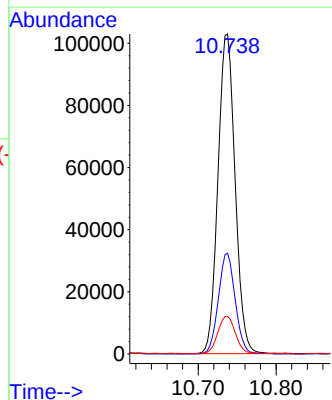
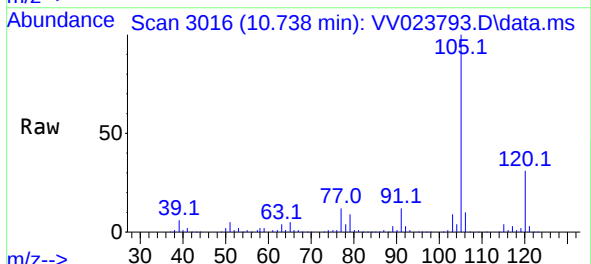


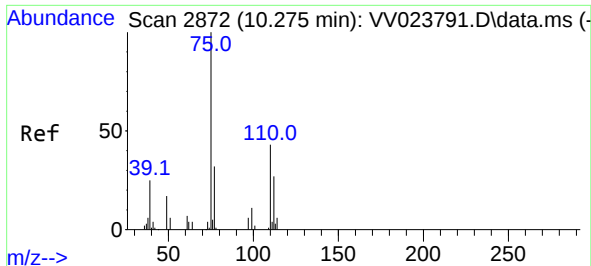
Tgt Ion: 83 Resp: 1043
Ion Ratio Lower Upper
83 100
85 0.0 44.6 82.8#
131 0.0 8.3 12.5#



#60
Isopropylbenzene
Concen: 3.233 ug/L
RT: 10.738 min Scan# 3016
Delta R.T. 0.807 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

Tgt Ion: 105 Resp: 157040
Ion Ratio Lower Upper
105 100
120 31.0 21.4 32.0
77 12.3 12.2 18.4

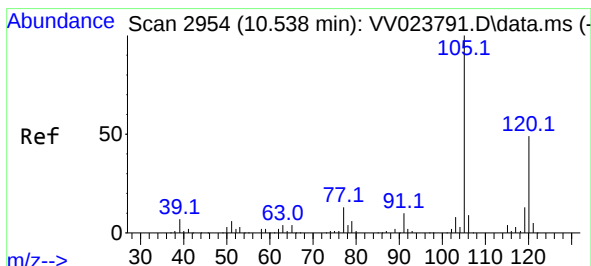
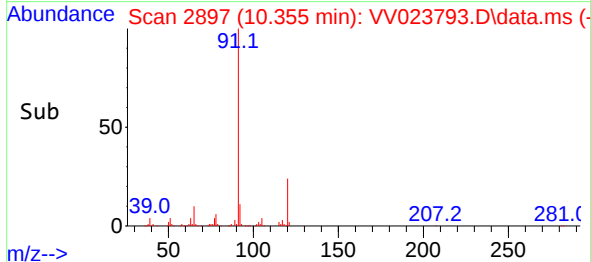
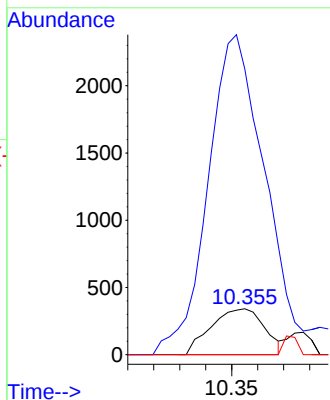
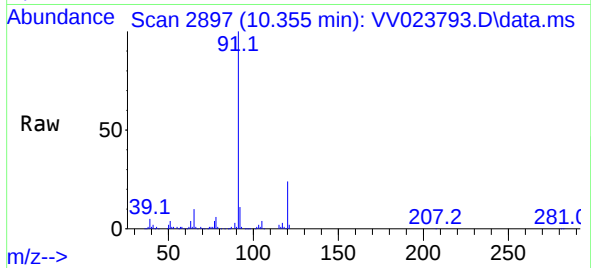




#61
1,2,3-Trichloropropane
Concen: 0.085 ug/L
RT: 10.355 min Scan# 2897
Delta R.T. 0.084 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

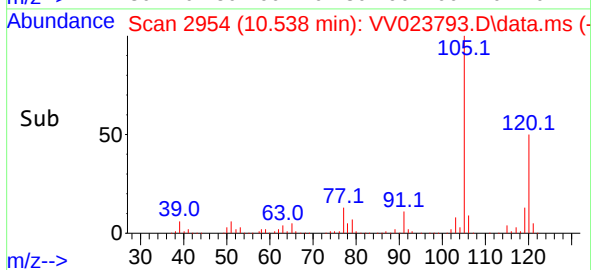
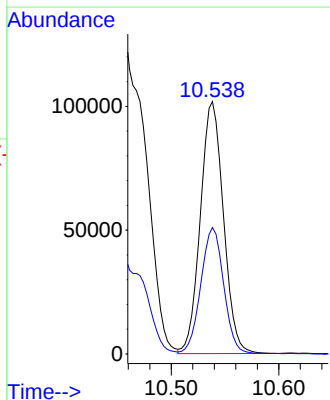
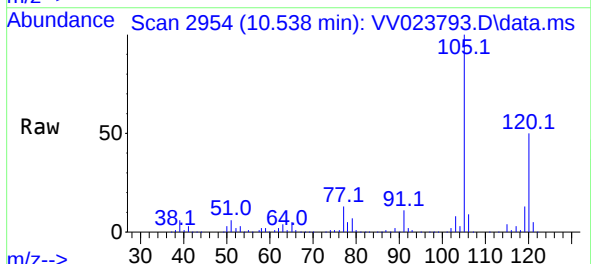
Instrument :
MSVOA_V
ClientSampleId :

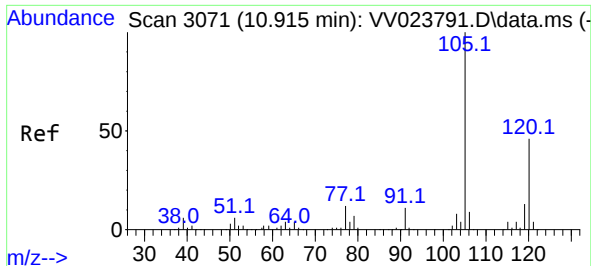
Tgt Ion: 75 Resp: 488
Ion Ratio Lower Upper
75 100
77 743.9 26.4 39.6#
110 10.7 34.2 51.2#



#62
1,3,5-Trimethylbenzene
Concen: 3.757 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

Tgt Ion: 105 Resp: 151842
Ion Ratio Lower Upper
105 100
120 49.4 40.1 60.1

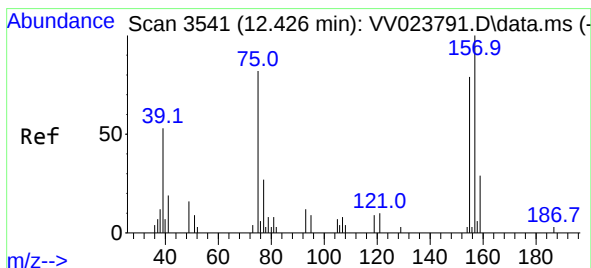
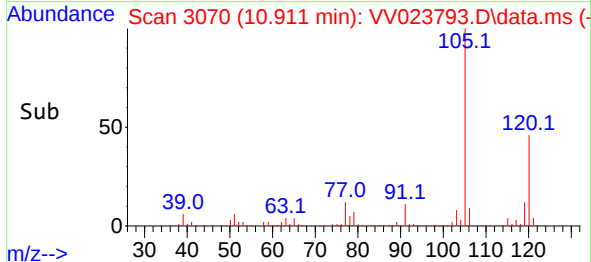
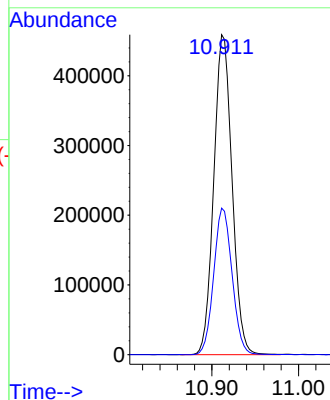
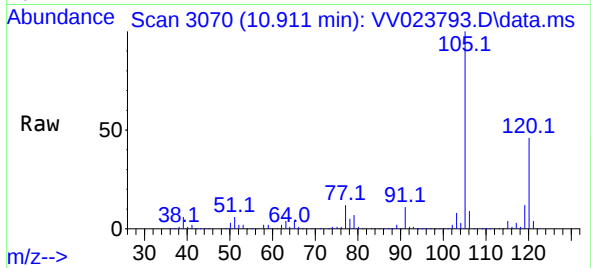




#63
1,2,4-Trimethylbenzene
Concen: 16.859 ug/L
RT: 10.911 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

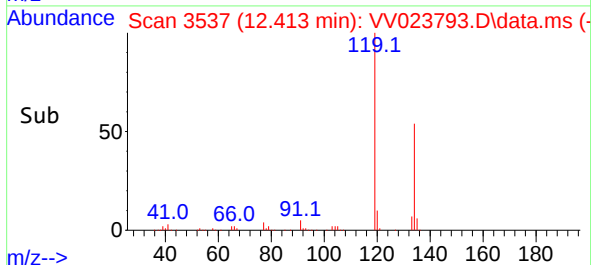
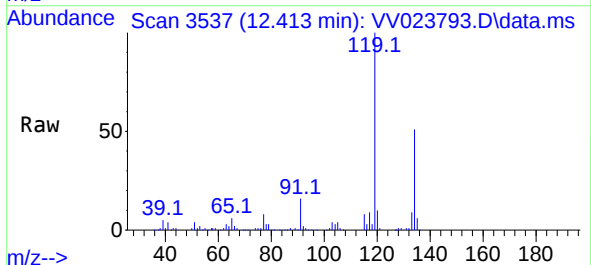
Instrument :
MSVOA_V
ClientSampleId :

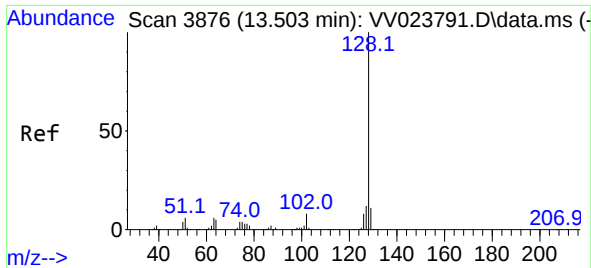
Tgt Ion:105 Resp: 673829
Ion Ratio Lower Upper
105 100
120 46.1 36.7 55.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.404 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.013 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

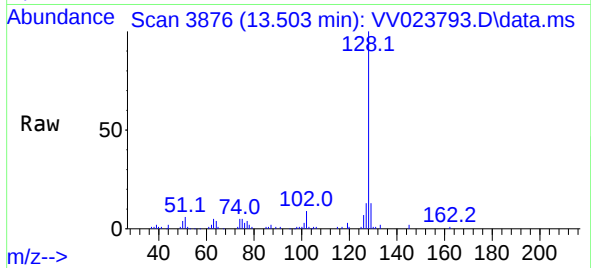
Tgt Ion: 75 Resp: 463
Ion Ratio Lower Upper
75 100
155 0.0 71.7 107.5#
157 0.0 103.3 154.9#





#71
Naphthalene
Concen: 2.275 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV023793.D
Acq: 06 Dec 2021 13:21

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	46050
Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.0	13.4
127	13.3	10.2	15.4

