

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120621\
 Data File : VW023800.D
 Acq On : 06 Dec 2021 16:09
 Operator : SY/MD
 Sample : M4979-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 07 05:31:54 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	5.616	114	155571	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	148700	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	76310	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	40279	3.154	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.000%
7) Chloroethane-d5	1.564	69	35348	3.521	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.400%
11) 1,1-Dichloroethene-d2	2.104	63	61668	2.740	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.800%#
20) 2-Butanone-d5	3.886	46	96120	62.607	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.220%
24) Chloroform-d	4.349	84	96693	4.348	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
26) 1,2-Dichloroethane-d4	5.030	65	46860	4.510	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.050	84	192955	4.764	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.069	67	58029	5.110	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.200%
41) Toluene-d8	7.316	98	184159	4.866	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
43) trans-1,3-Dichloroprop...	7.625	79	21376	4.670	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.088	63	90627	59.590	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.180%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38709	4.737	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	72614	5.382	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	846	0.066	ug/L	95
6) Bromomethane	1.523	94	640	0.084	ug/L	87
13) Acetone	2.178	43	2204	1.595	ug/L	96
18) trans-1,2-Dichloroethene	2.760	96	3313	0.279	ug/L	96
22) cis-1,2-Dichloroethene	3.918	96	15851	1.392	ug/L	98
30) Cyclohexane	4.680	56	4355	0.269	ug/L	99
34) Trichloroethene	5.915	95	18430	1.623	ug/L	95
35) Methylcyclohexane	6.133	83	1449	0.082	ug/L #	83
37) 1,2-Dichloropropane	6.066	63	6707	0.666	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1571	0.110	ug/L #	46
42) Toluene	7.397	91	3403	0.074	ug/L	93
45) 1,1,2-Trichloroethane	7.976	97	1444	0.207	ug/L #	3
47) Tetrachloroethene	7.976	164	176641	17.089	ug/L	97
49) Dibromochloromethane	7.976	129	159462	16.677	ug/L #	11
52) Ethylbenzene	9.017	91	6281	0.131	ug/L	91
53) m,p-xylene	9.143	106	8117	0.424	ug/L	99
54) o-xylene	9.545	106	1216	0.067	ug/L	70
60) Isopropylbenzene	10.448	105	24329	0.534	ug/L	93
61) 1,2,3-Trichloropropane	10.911	75	412	0.076	ug/L #	1

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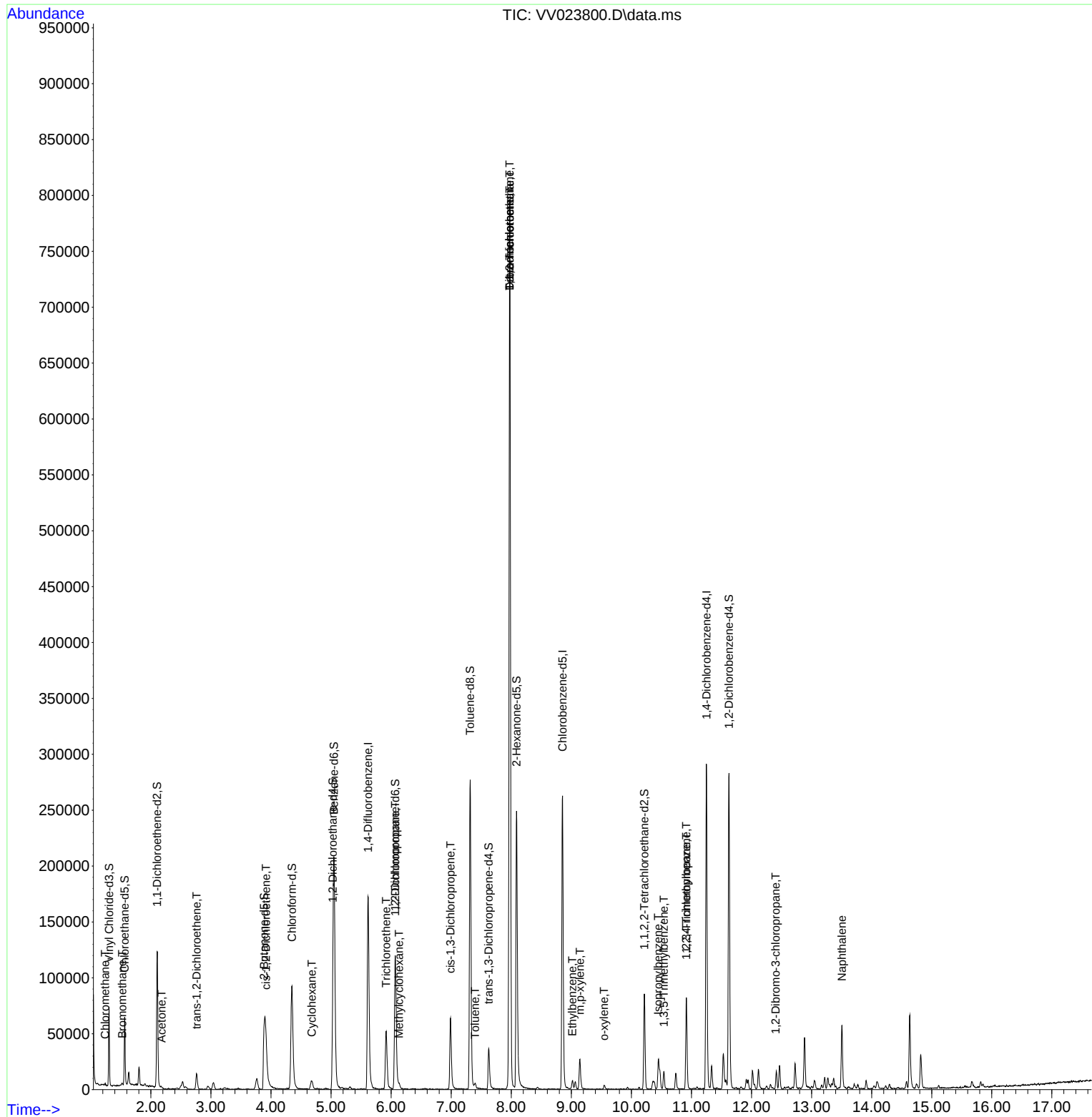
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.541	105	8755	0.231	ug/L	95
63) 1,2,4-Trimethylbenzene	10.914	105	44661	1.191	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.403	75	65	0.060	ug/L #	1
71) Naphthalene	13.506	128	46804	2.464	ug/L	99

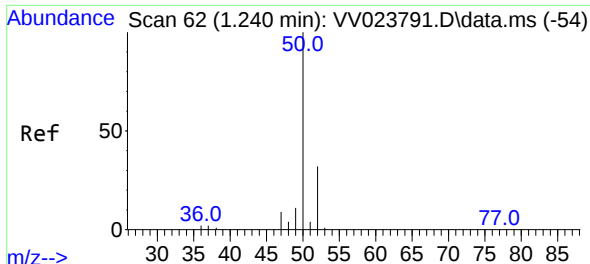
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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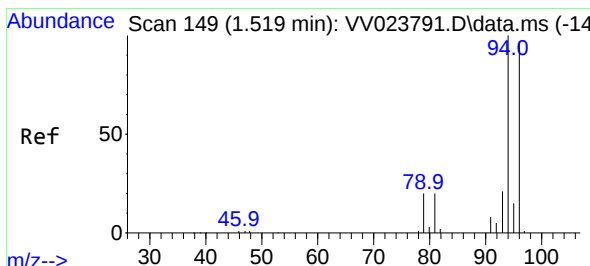
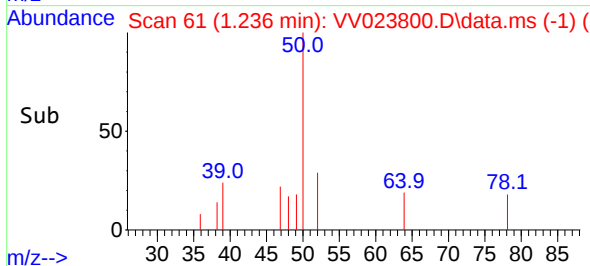
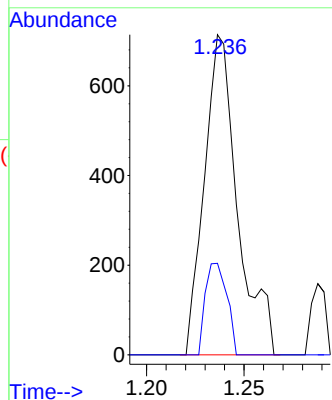
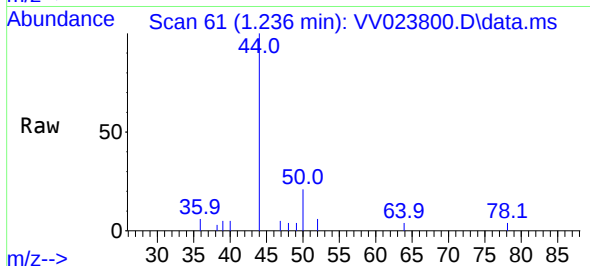




#3
Chloromethane
Concen: 0.066 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

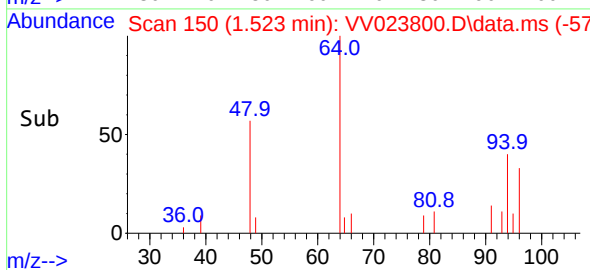
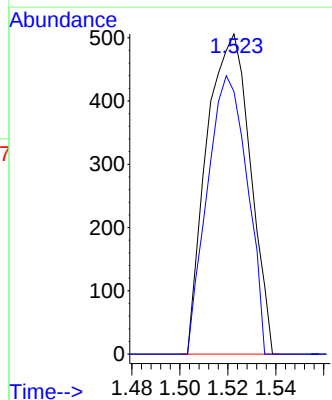
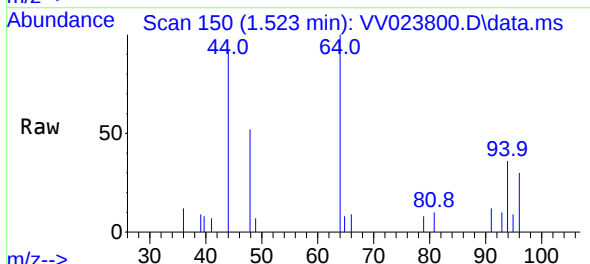
Instrument :
MSVOA_V
ClientSampleId :

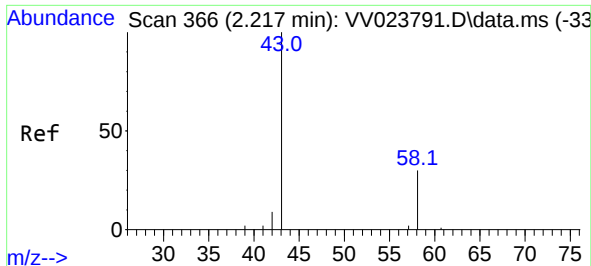
Tgt Ion: 50 Resp: 846
Ion Ratio Lower Upper
50 100
52 28.6 22.0 41.0



#6
Bromomethane
Concen: 0.084 ug/L
RT: 1.523 min Scan# 150
Delta R.T. -0.000 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

Tgt Ion: 94 Resp: 640
Ion Ratio Lower Upper
94 100
96 82.0 66.2 123.0





#13

Acetone

Concen: 1.595 ug/L

RT: 2.178 min Scan# 31

Delta R.T. -0.045 min

Lab File: VV023800.D

Acq: 06 Dec 2021 16:09

Instrument :

MSVOA_V

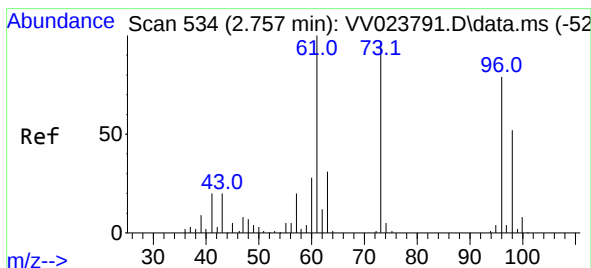
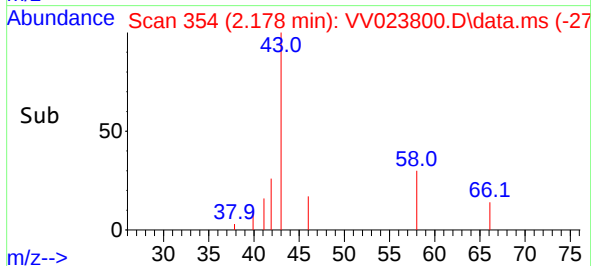
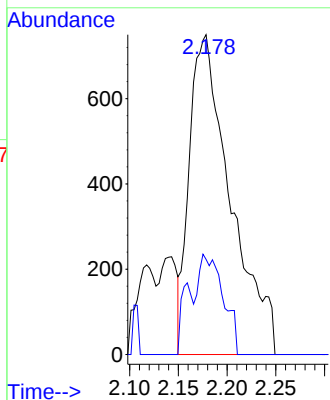
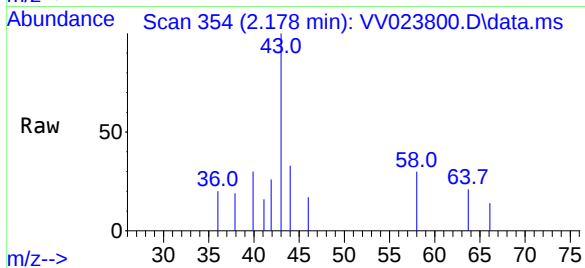
ClientSampleId :

Tgt Ion: 43 Resp: 2204

Ion Ratio Lower Upper

43 100

58 19.1 0.0 41.4



#18

trans-1,2-Dichloroethene

Concen: 0.279 ug/L

RT: 2.760 min Scan# 535

Delta R.T. 0.003 min

Lab File: VV023800.D

Acq: 06 Dec 2021 16:09

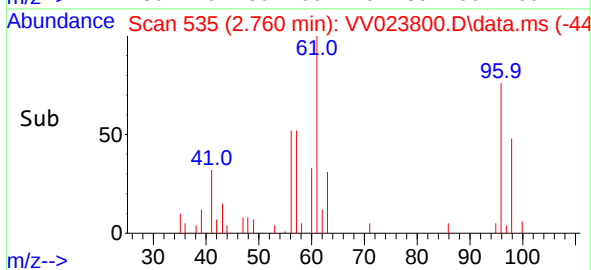
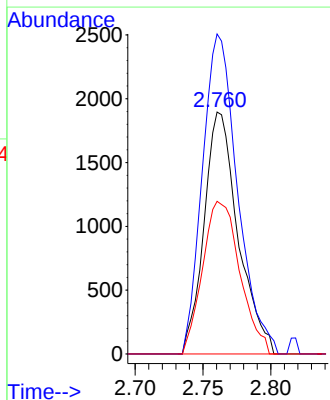
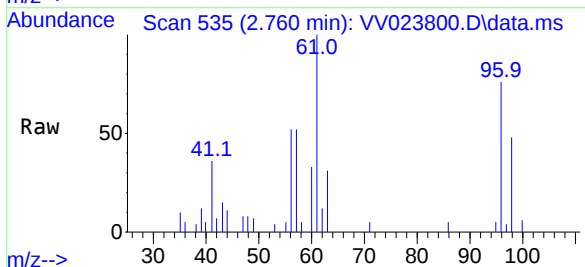
Tgt Ion: 96 Resp: 3313

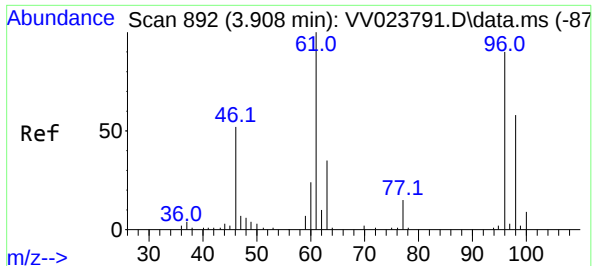
Ion Ratio Lower Upper

96 100

61 132.3 88.2 163.8

98 63.1 44.9 83.5





#22

cis-1,2-Dichloroethene

Concen: 1.392 ug/L

RT: 3.918 min Scan# 892

Delta R.T. 0.010 min

Lab File: VV023800.D

Acq: 06 Dec 2021 16:09

Instrument :

MSVOA_V

ClientSampleId :

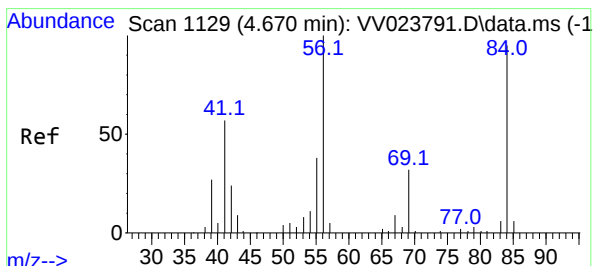
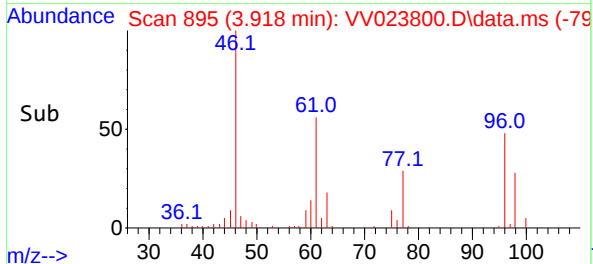
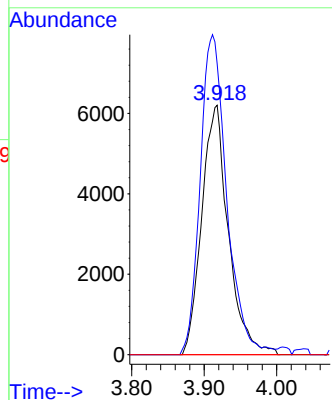
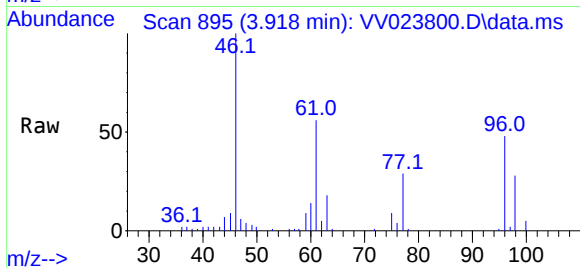
Tgt Ion: 96 Resp: 15851

Ion Ratio Lower Upper

96 100

61 116.6 83.4 154.8

68 0.0 0.0 0.0



#30

Cyclohexane

Concen: 0.269 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VV023800.D

Acq: 06 Dec 2021 16:09

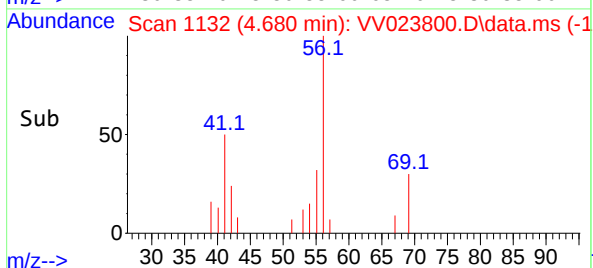
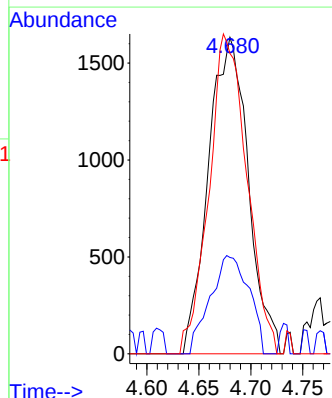
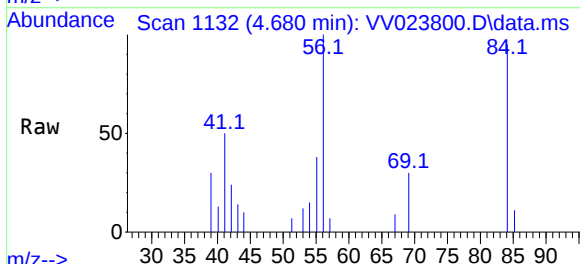
Tgt Ion: 56 Resp: 4355

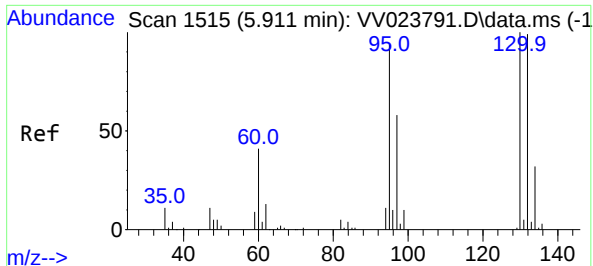
Ion Ratio Lower Upper

56 100

69 30.0 24.8 37.2

84 95.8 75.9 113.9

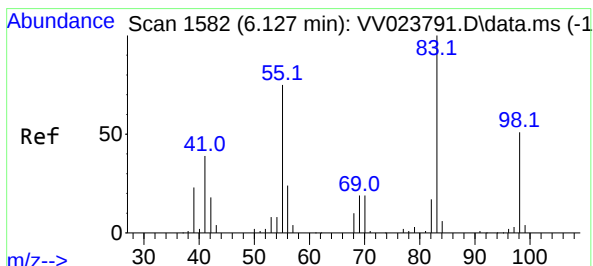
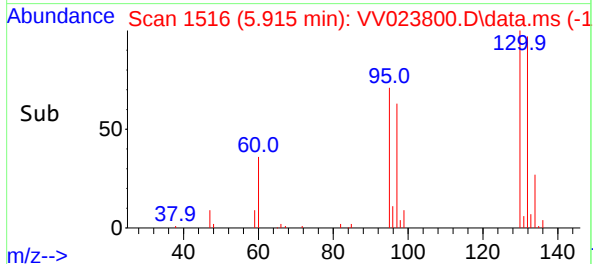
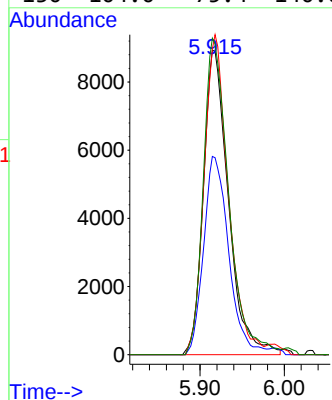
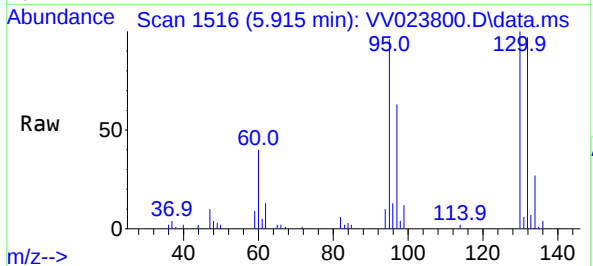




#34
Trichloroethene
Concen: 1.623 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

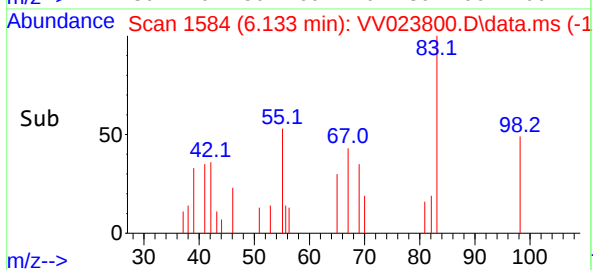
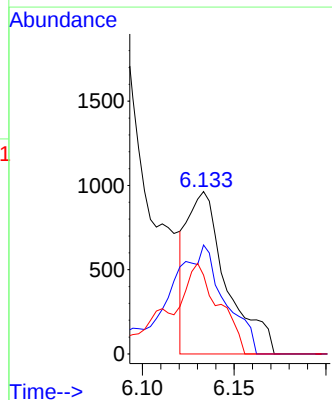
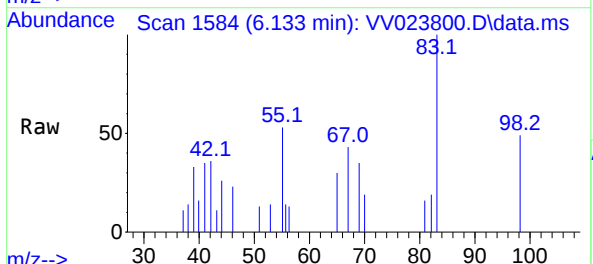
Instrument :
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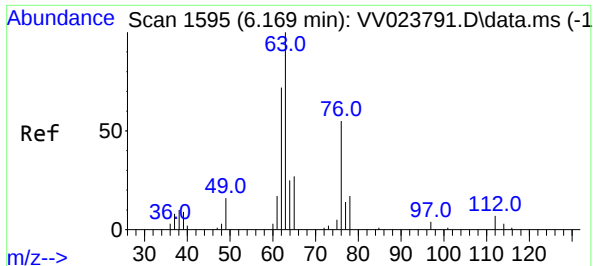
Tgt Ion: 95 Resp: 18430
Ion Ratio Lower Upper
95 100
97 65.1 45.2 84.0
132 100.4 76.1 141.3
130 104.0 75.4 140.0



#35
Methylcyclohexane
Concen: 0.082 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. 0.006 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

Tgt Ion: 83 Resp: 1449
Ion Ratio Lower Upper
83 100
55 97.9 60.2 90.2#
98 48.9 41.0 61.4

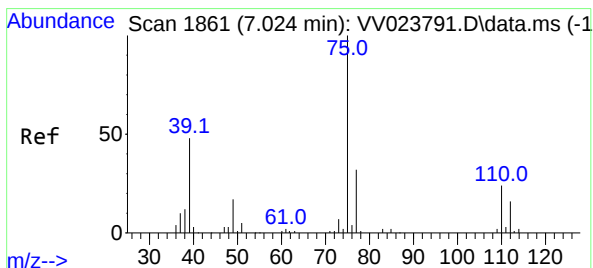
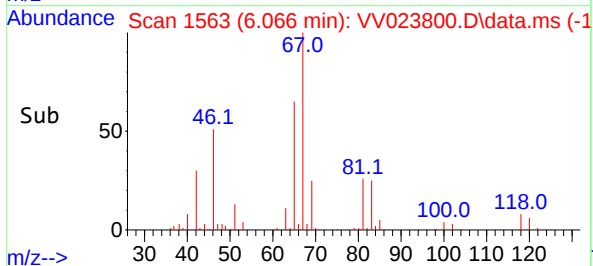
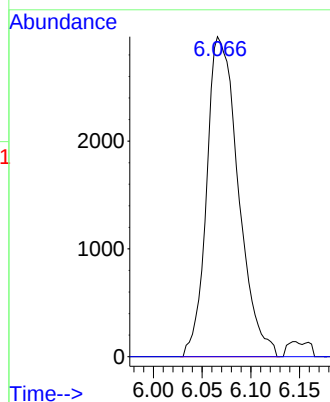
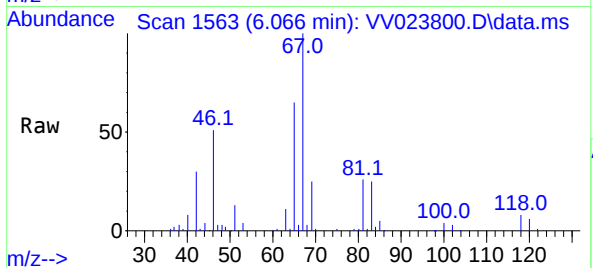




#37
1,2-Dichloropropane
Concen: 0.666 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

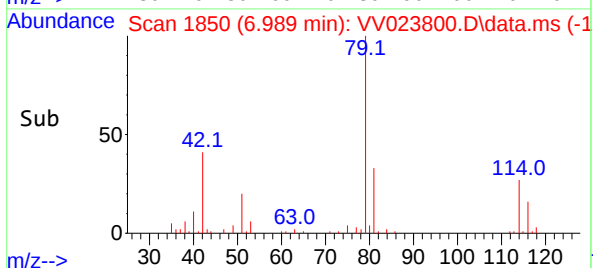
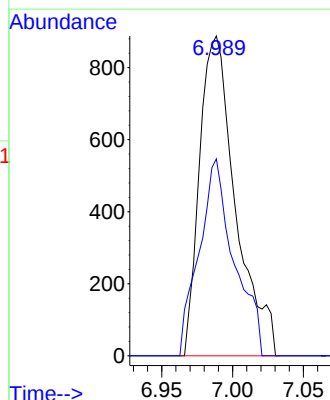
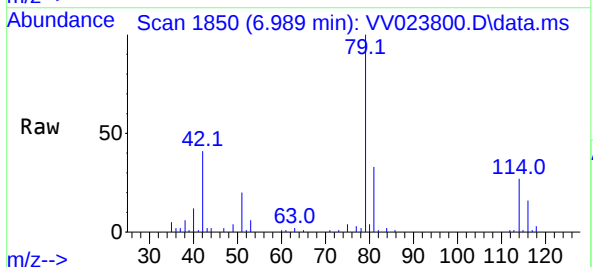
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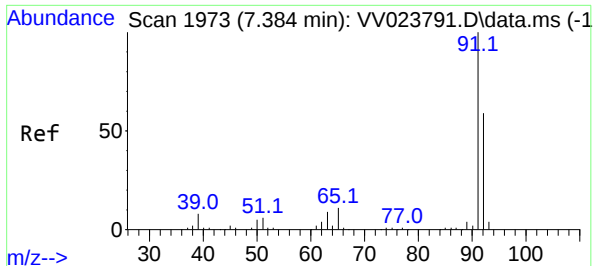
Tgt Ion: 63 Resp: 6707
Ion Ratio Lower Upper
63 100
112 0.0 4.3 6.5#



#39
cis-1,3-Dichloropropene
Concen: 0.110 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.035 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

Tgt Ion: 75 Resp: 1571
Ion Ratio Lower Upper
75 100
77 61.6 22.0 41.0#





#42

Toluene

Concen: 0.074 ug/L

RT: 7.397 min Scan# 1973

Delta R.T. 0.013 min

Lab File: VV023800.D

Acq: 06 Dec 2021 16:09

Instrument :

MSVOA_V

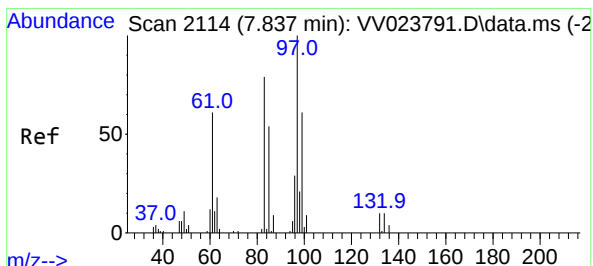
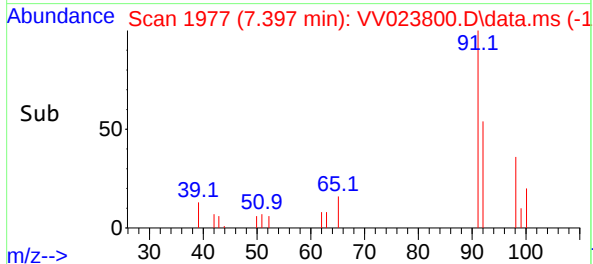
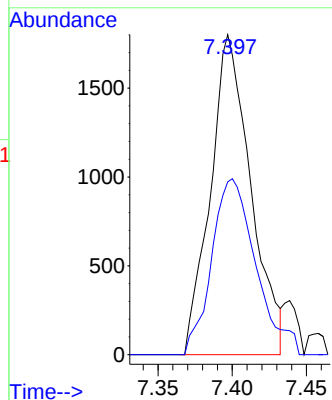
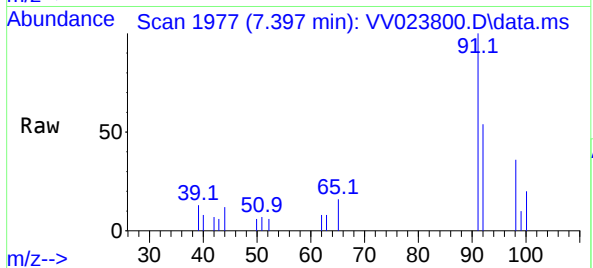
ClientSampleId :

Tgt Ion: 91 Resp: 3403

Ion Ratio Lower Upper

91 100

92 54.0 41.5 77.1



#45

1,1,2-Trichloroethane

Concen: 0.207 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.138 min

Lab File: VV023800.D

Acq: 06 Dec 2021 16:09

Tgt Ion: 97 Resp: 1444

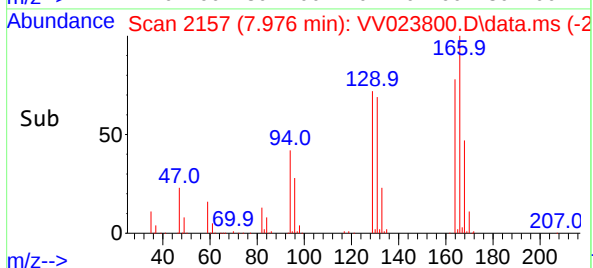
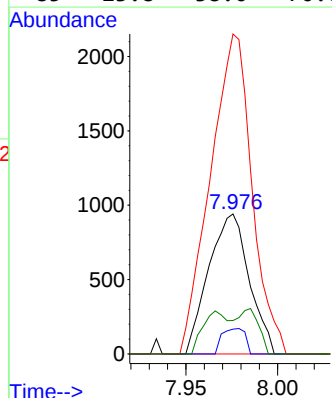
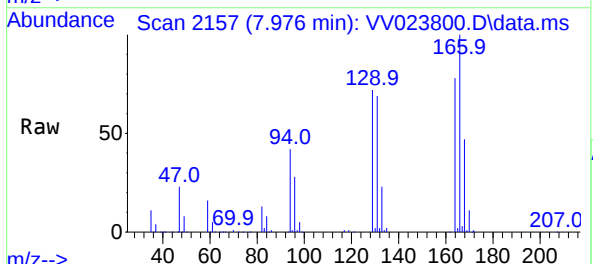
Ion Ratio Lower Upper

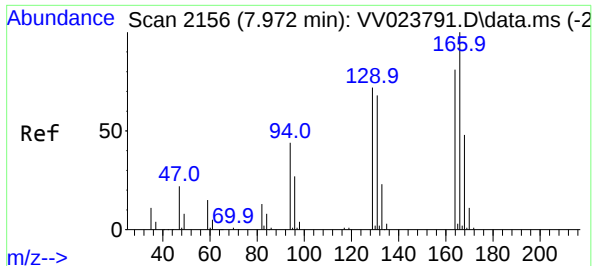
97 100

99 17.6 43.1 80.1#

83 228.7 57.9 107.5#

85 23.8 38.0 70.6#





#47

Tetrachloroethene

Concen: 17.089 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV023800.D

Acq: 06 Dec 2021 16:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 176641

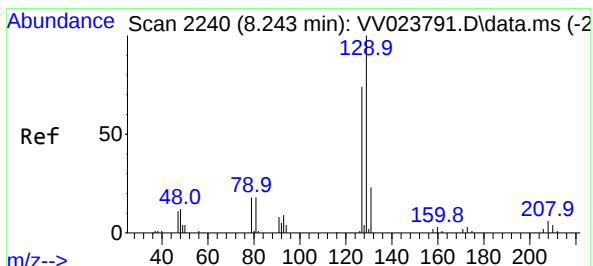
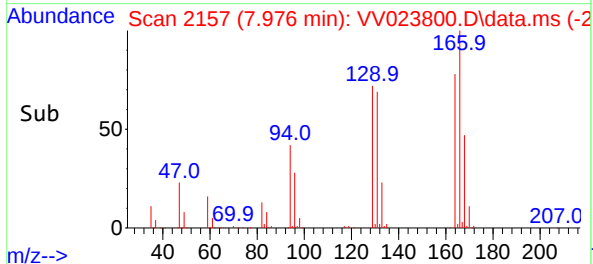
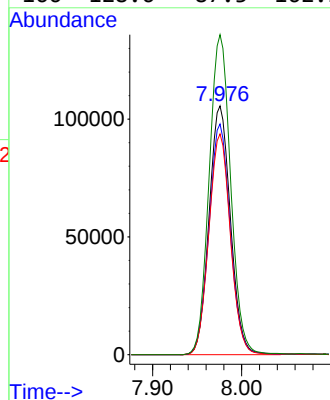
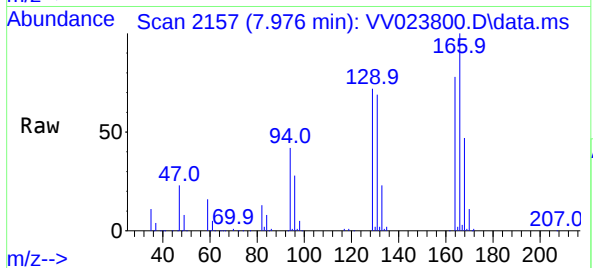
Ion Ratio Lower Upper

164 100

129 92.7 62.6 116.2

131 88.7 61.0 113.4

166 128.6 87.3 162.1



#49

Dibromochloromethane

Concen: 16.677 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV023800.D

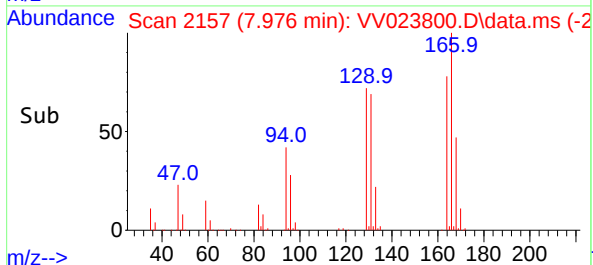
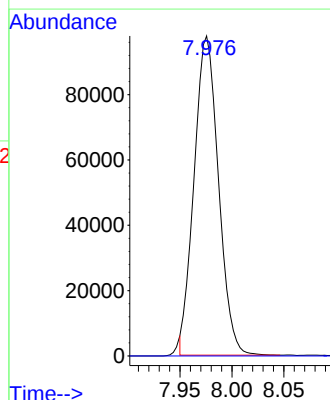
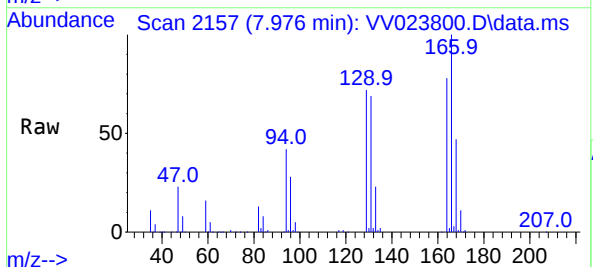
Acq: 06 Dec 2021 16:09

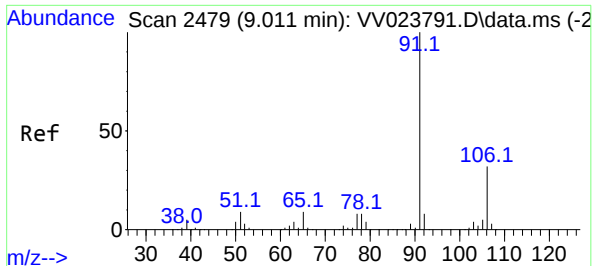
Tgt Ion:129 Resp: 159462

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#

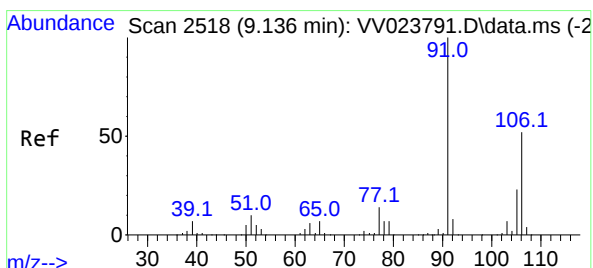
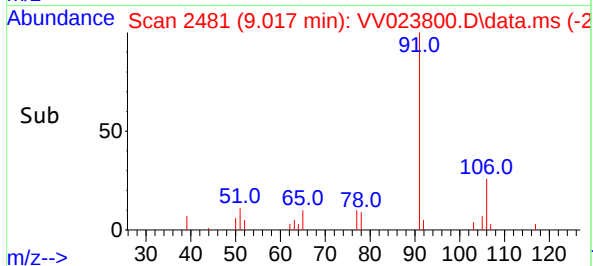
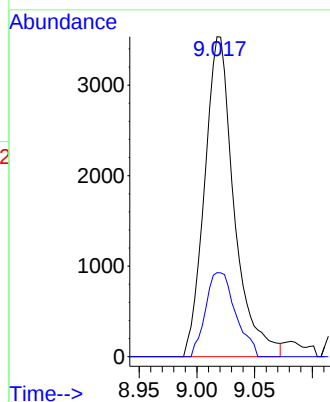
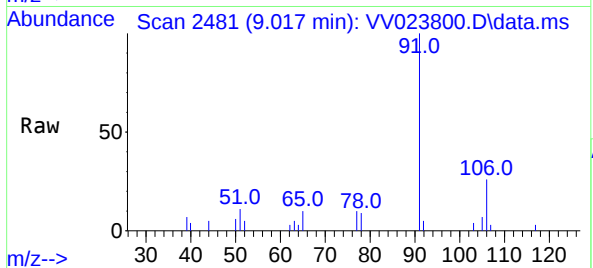




#52
Ethylbenzene
Concen: 0.131 ug/L
RT: 9.017 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

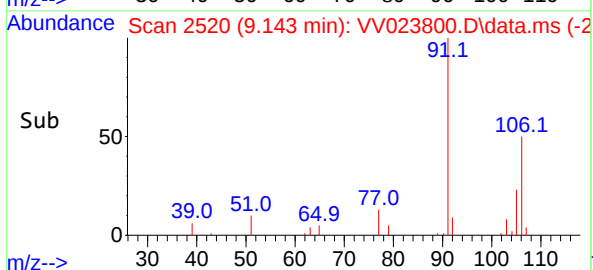
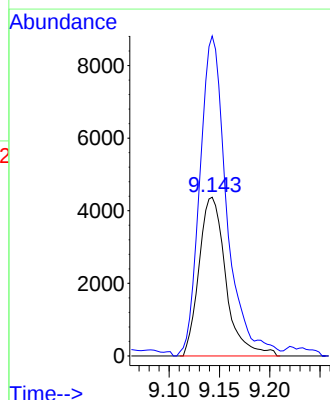
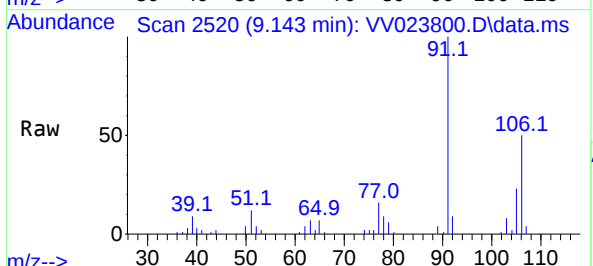
Instrument :
MSVOA_V
ClientSampleId :

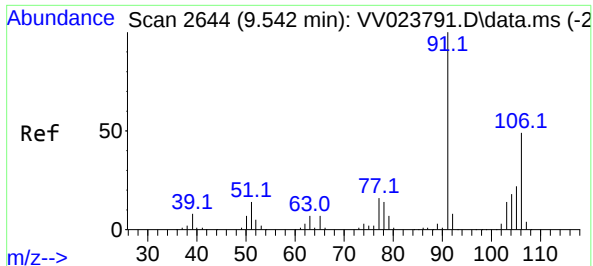
Tgt Ion: 91 Resp: 6281
Ion Ratio Lower Upper
91 100
106 26.3 22.0 41.0



#53
m,p-xylene
Concen: 0.424 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.006 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

Tgt Ion: 106 Resp: 8117
Ion Ratio Lower Upper
106 100
91 201.5 139.5 259.1

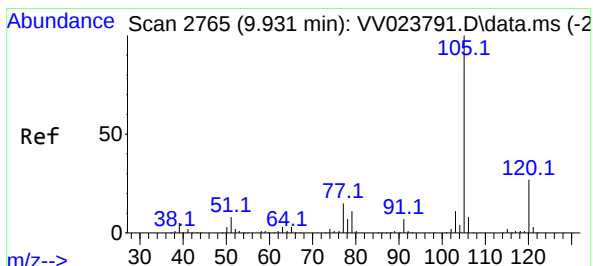
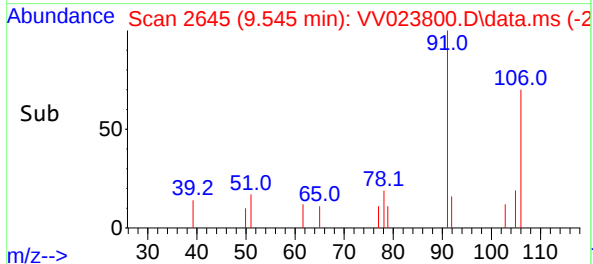
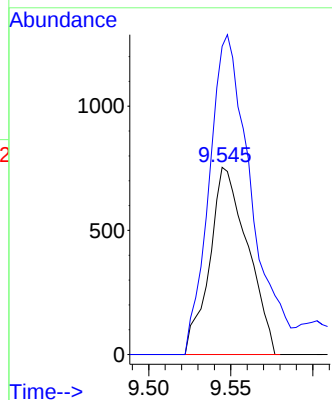
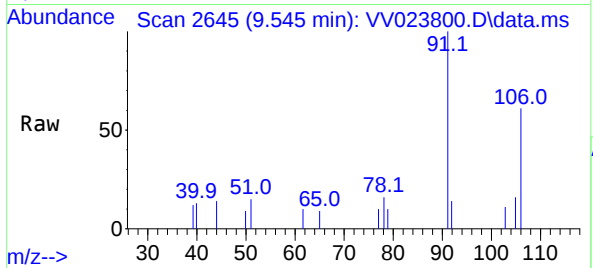




#54
o-xylene
Concen: 0.067 ug/L
RT: 9.545 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

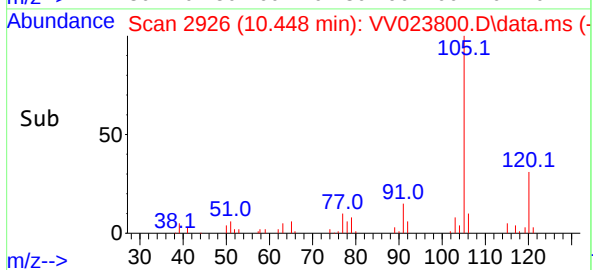
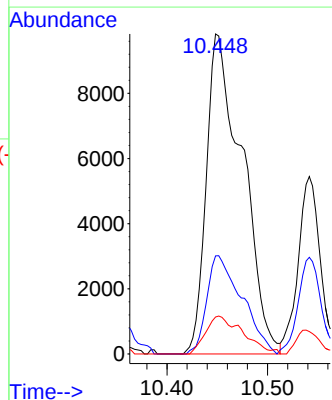
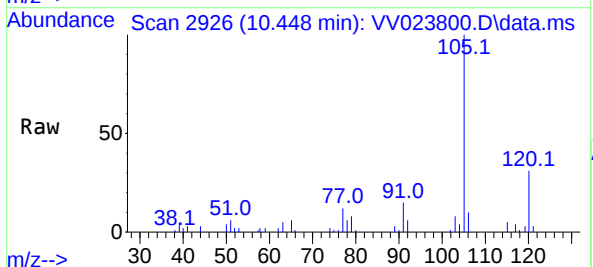
Instrument :
MSVOA_V
ClientSampleId :

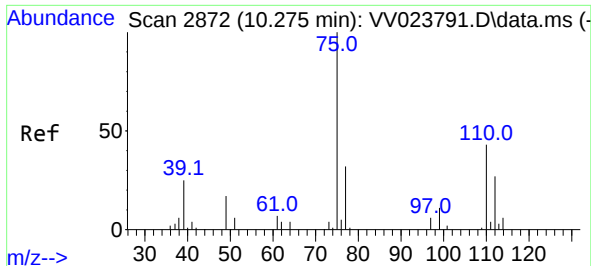
Tgt Ion:106 Resp: 1216
Ion Ratio Lower Upper
106 100
91 164.6 147.9 274.7



#60
Isopropylbenzene
Concen: 0.534 ug/L
RT: 10.448 min Scan# 2926
Delta R.T. 0.518 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

Tgt Ion:105 Resp: 24329
Ion Ratio Lower Upper
105 100
120 30.1 21.4 32.0
77 12.4 12.2 18.4





#61

1,2,3-Trichloropropane

Concen: 0.076 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.640 min

Lab File: VV023800.D

Acq: 06 Dec 2021 16:09

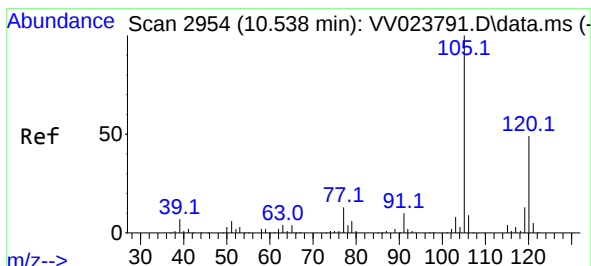
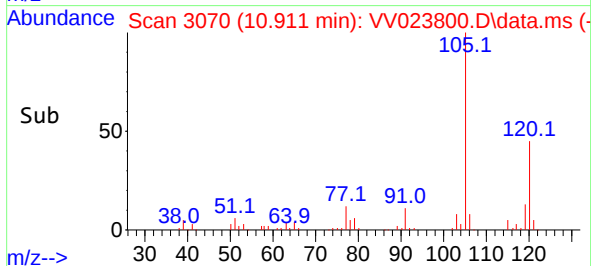
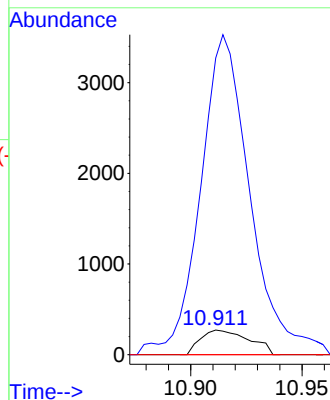
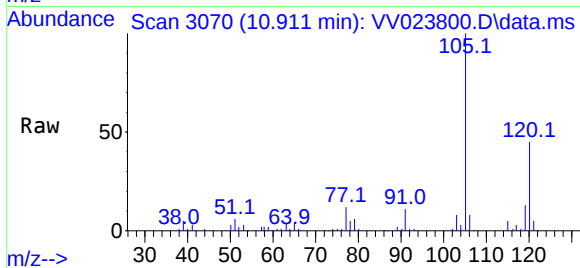
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 75 Resp: 412

Ion	Ratio	Lower	Upper
75	100		
77	1326.7	26.4	39.6#
110	0.0	34.2	51.2#



#62

1,3,5-Trimethylbenzene

Concen: 0.231 ug/L

RT: 10.541 min Scan# 2955

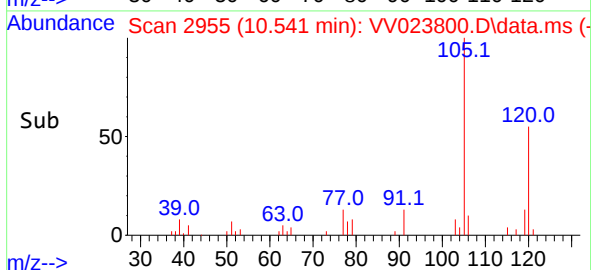
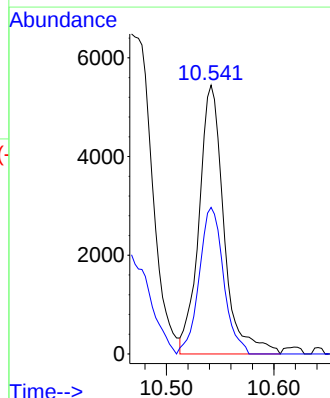
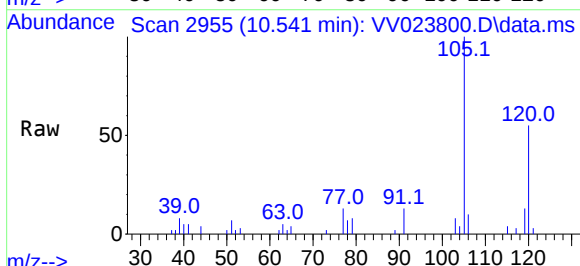
Delta R.T. 0.003 min

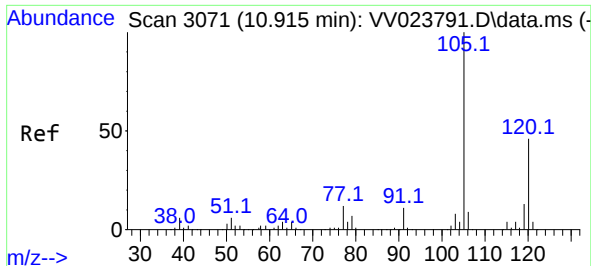
Lab File: VV023800.D

Acq: 06 Dec 2021 16:09

Tgt Ion: 105 Resp: 8755

Ion	Ratio	Lower	Upper
105	100		
120	53.4	40.1	60.1

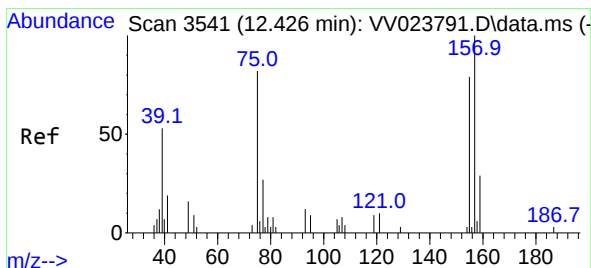
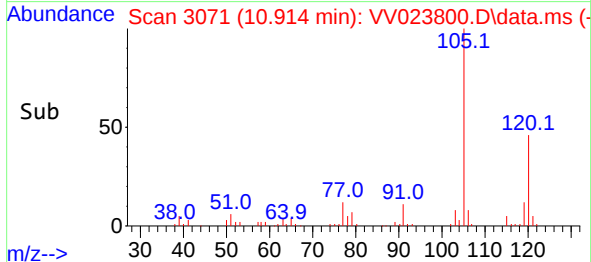
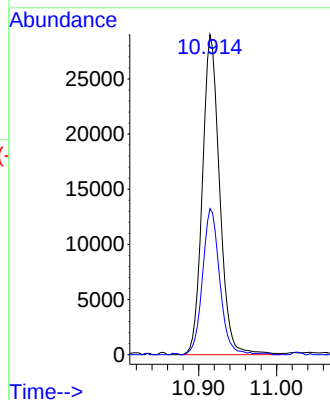
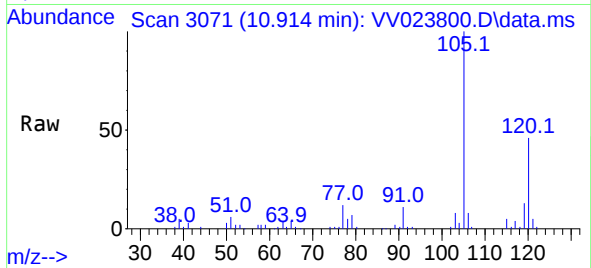




#63
1,2,4-Trimethylbenzene
Concen: 1.191 ug/L
RT: 10.914 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

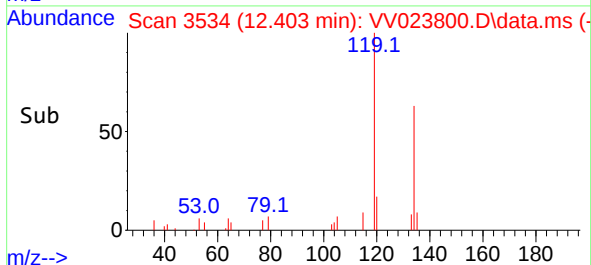
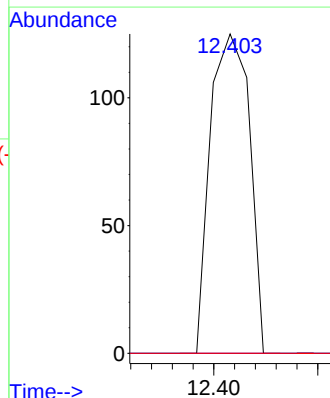
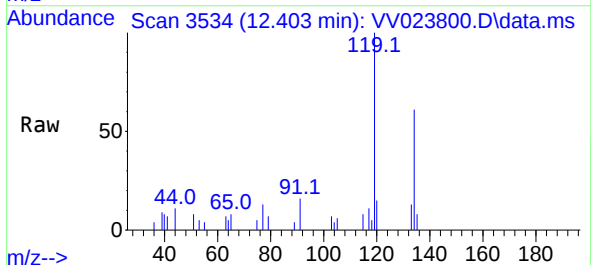
Instrument :
MSVOA_V
ClientSampleId :

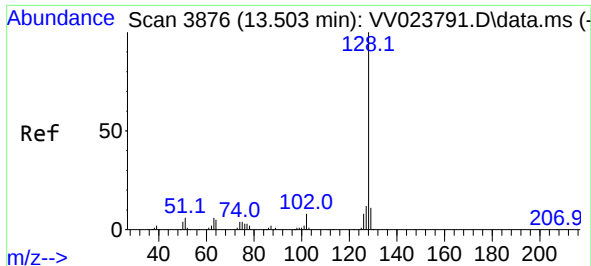
Tgt Ion:105 Resp: 44661
Ion Ratio Lower Upper
105 100
120 45.5 36.7 55.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.060 ug/L
RT: 12.403 min Scan# 3534
Delta R.T. -0.023 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

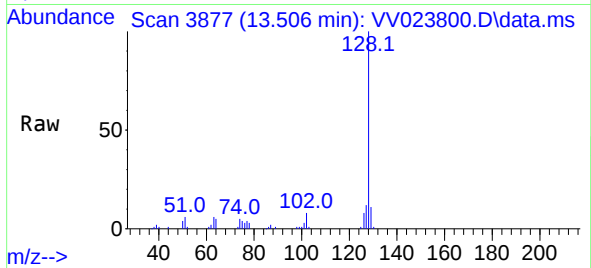
Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
155 0.0 71.7 107.5#
157 0.0 103.3 154.9#





#71
Naphthalene
Concen: 2.464 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV023800.D
Acq: 06 Dec 2021 16:09

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 46804
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 12.1 10.2 15.4

