

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029799.D
 Acq On : 13 Jan 2023 11:31
 Operator : SY/MD
 Sample : 01136-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGJB9

Quant Time: Jan 13 22:50:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 12 22:05:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	212866	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	205788	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	106984	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	77188	4.781	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.600%
7) Chloroethane-d5	1.565	69	67991	5.080	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.600%
11) 1,1-Dichloroethene-d2	2.105	63	111729	3.796	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.000%
20) 2-Butanone-d5	3.880	46	132696	46.370	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.740%
24) Chloroform-d	4.339	84	146366	4.942	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.024	65	62658	4.995	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.040	84	305316	5.002	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
36) 1,2-Dichloropropane-d6	6.063	67	94169	5.271	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.400%
41) Toluene-d8	7.307	98	268981	4.759	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	7.616	79	30007	4.599	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.085	63	125018	47.065	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.120%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	64929	4.959	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	101485	5.218	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1021	0.049	ug/L	98
5) Vinyl chloride	1.307	62	24949	1.220	ug/L	93
12) 1,1-Dichloroethene	2.114	96	24328	1.338	ug/L #	26
14) Carbon disulfide	2.291	76	4864	0.093	ug/L	95
17) Methyl tert-butyl Ether	2.764	73	151361	4.816	ug/L	100
19) 1,1-Dichloroethane	3.185	63	18914	0.669	ug/L	95
22) cis-1,2-Dichloroethene	3.902	96	48065	2.670	ug/L	100
25) Chloroform	4.368	83	18326	0.596	ug/L	100
29) 1,1,1-Trichloroethane	4.600	97	22188	0.830	ug/L	95
31) Carbon tetrachloride	4.603	117	3276	0.141	ug/L	90
34) Trichloroethene	5.905	95	186296	10.804	ug/L	98
35) Methylcyclohexane	6.063	83	22157	0.761	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	9004	0.565	ug/L #	85
39) cis-1,3-Dichloropropene	6.979	75	2209	0.103	ug/L #	65
47) Tetrachloroethene	7.966	164	9691	0.668	ug/L	94
49) Dibromochloromethane	7.966	129	8617	0.640	ug/L #	11
53) m,p-Xylene	9.133	106	2062	0.068	ug/L	94
61) 1,2,3-Trichloropropane	11.239	75	12355	1.560	ug/L #	67
62) 1,3,5-Trimethylbenzene	10.905	105	1987	0.034	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011323\
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Instrument :
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ClientSampleId :
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Quant Time: Jan 13 22:50:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 12 22:05:54 2023
Response via : Initial Calibration

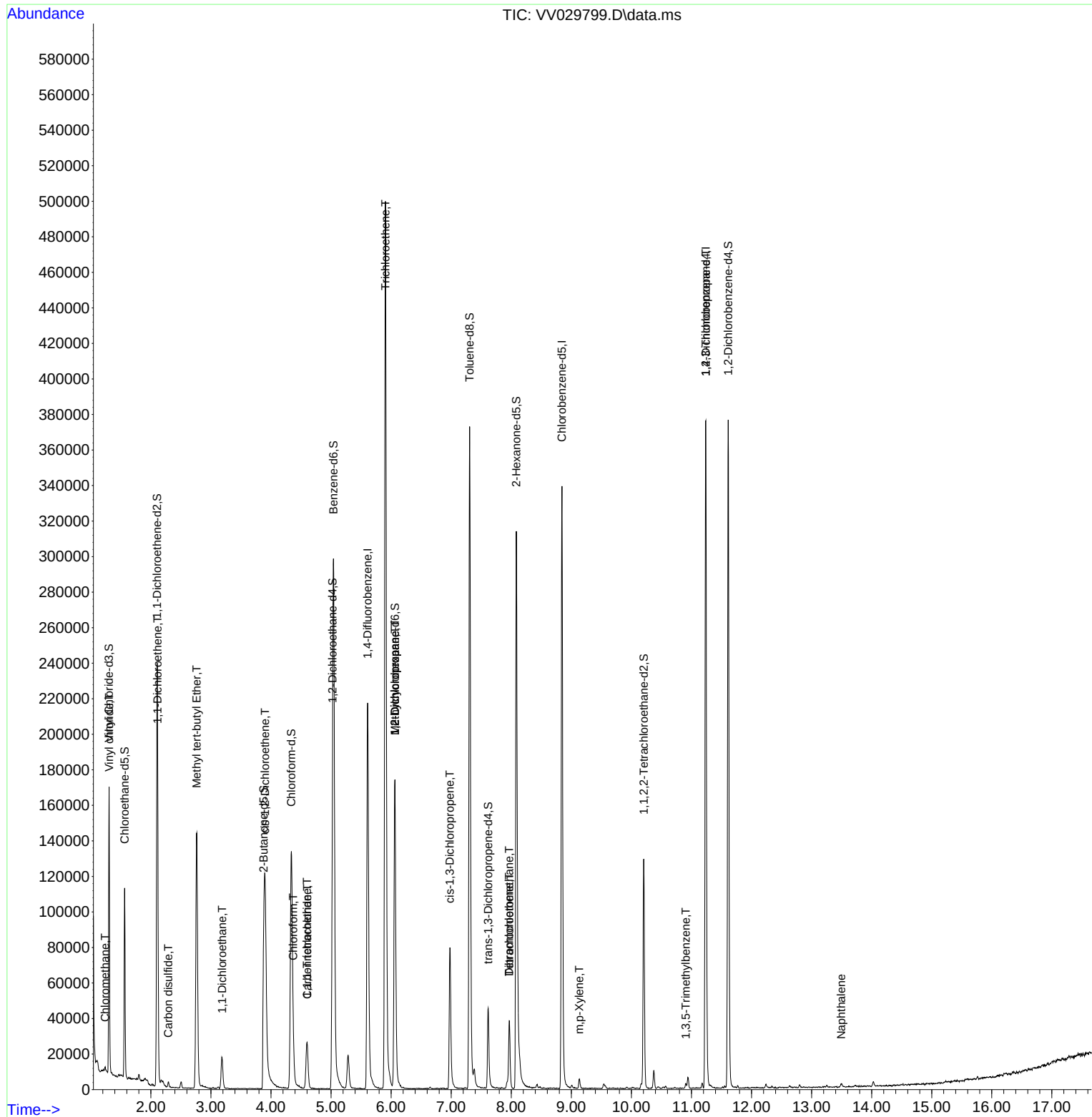
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.493	128	2697	0.095	ug/L	# 92

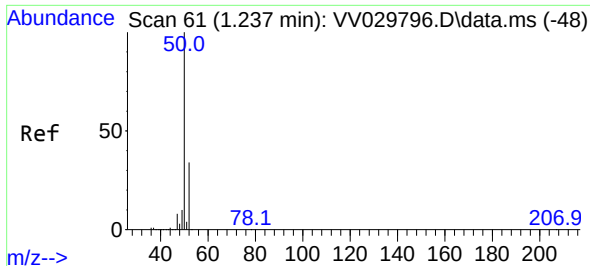
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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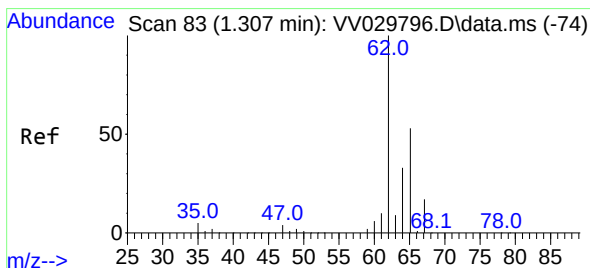
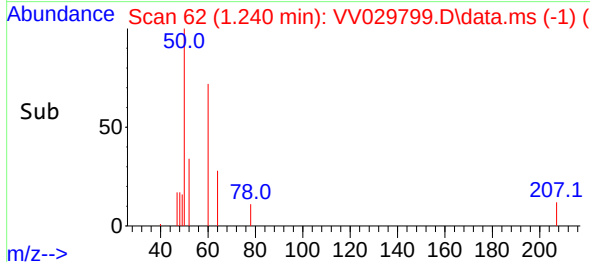
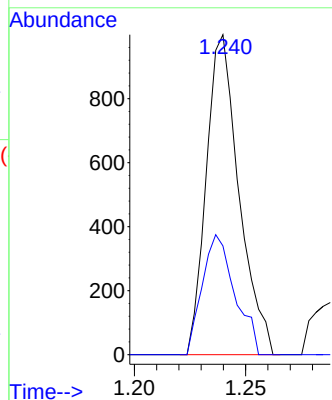
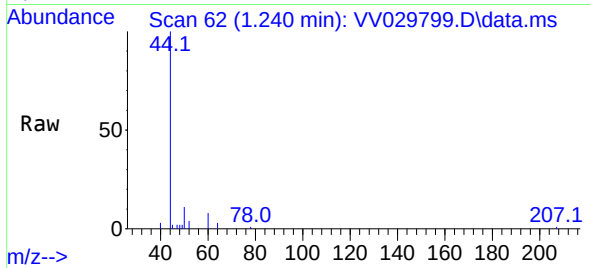




#3
Chloromethane
Concen: 0.049 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

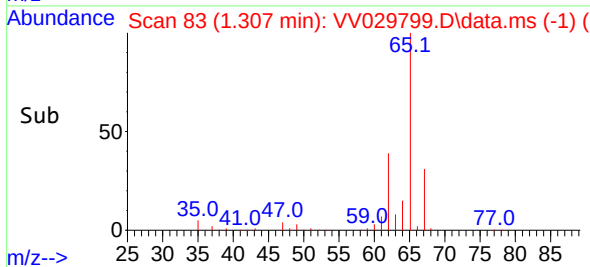
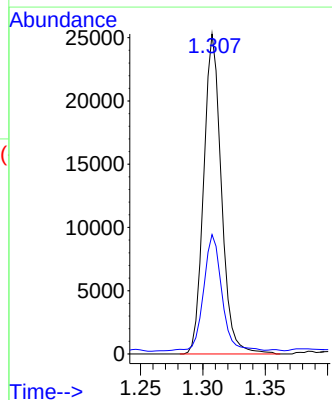
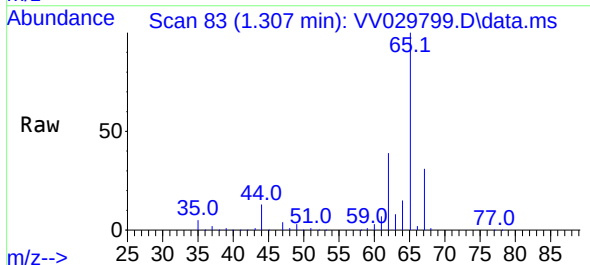
Instrument :
MSVOA_V
ClientSampleId :
BGJB9

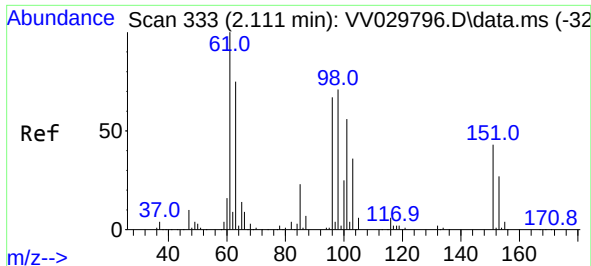
Tgt Ion: 50 Resp: 1021
Ion Ratio Lower Upper
50 100
52 34.0 23.1 42.9



#5
Vinyl chloride
Concen: 1.220 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

Tgt Ion: 62 Resp: 24949
Ion Ratio Lower Upper
62 100
64 37.3 23.2 43.2

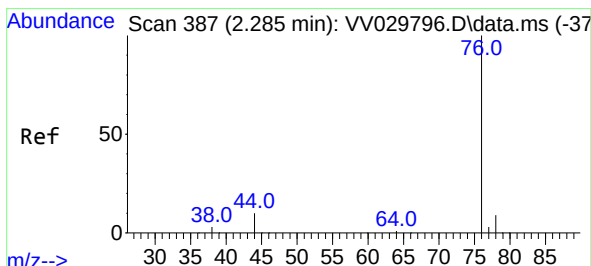
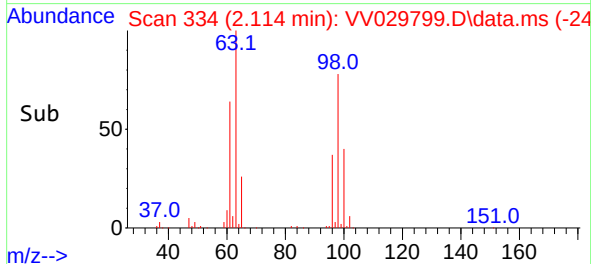
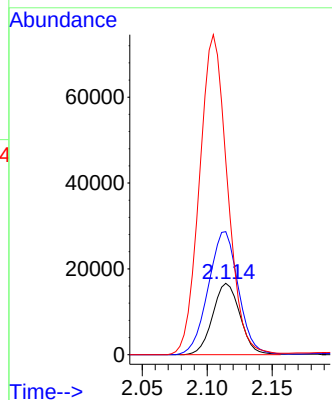
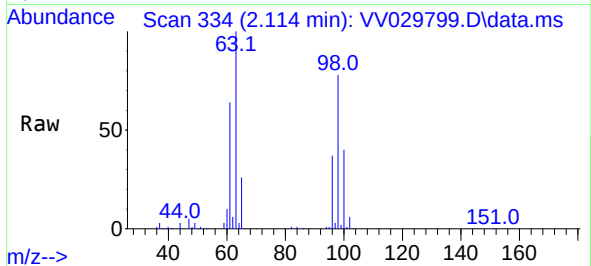




#12
1,1-Dichloroethene
Concen: 1.338 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

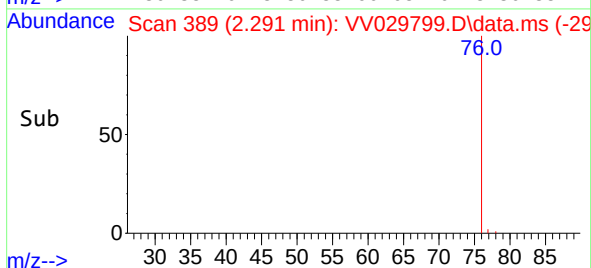
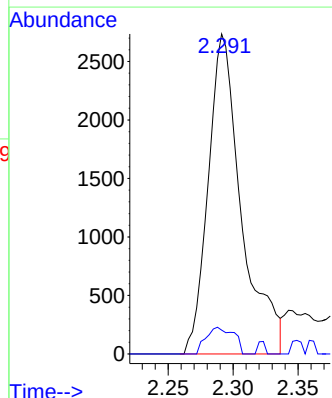
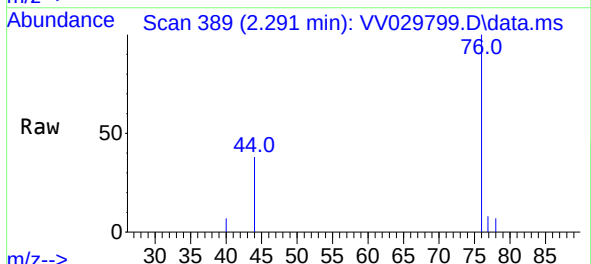
Instrument :
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ClientSampleId :
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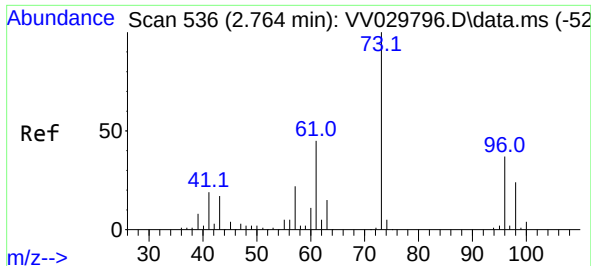
Tgt Ion: 96 Resp: 24328
Ion Ratio Lower Upper
96 100
61 172.5 106.1 197.1
63 271.2 76.4 141.8#



#14
Carbon disulfide
Concen: 0.093 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.006 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

Tgt Ion: 76 Resp: 4864
Ion Ratio Lower Upper
76 100
78 7.5 7.4 11.0

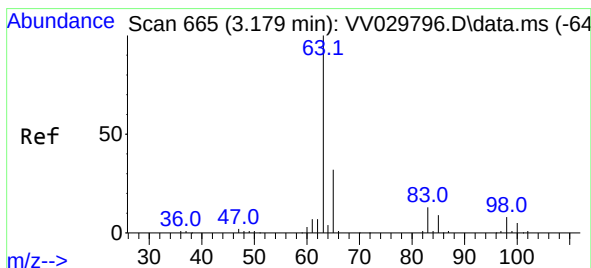
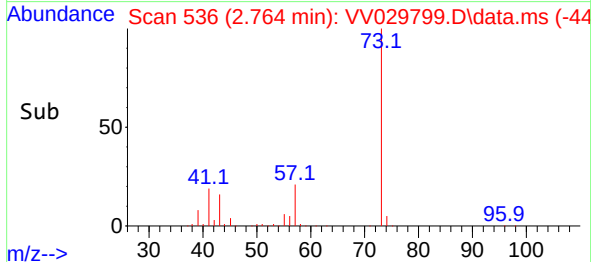
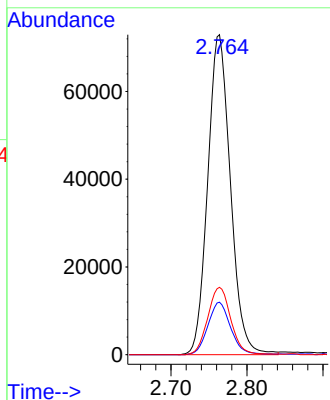
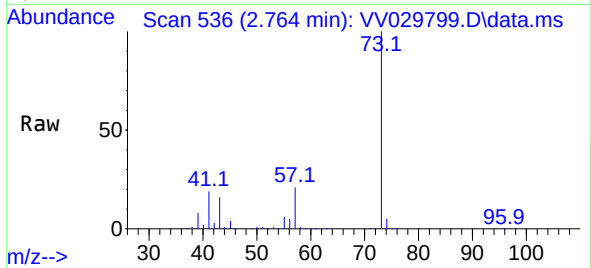




#17
Methyl tert-butyl Ether
Concen: 4.816 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

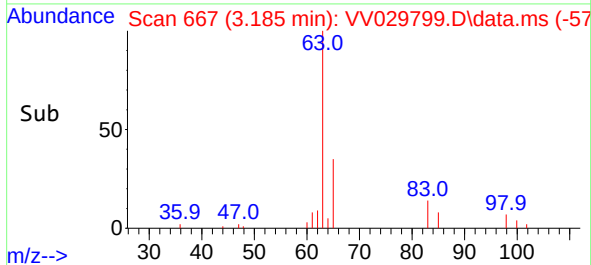
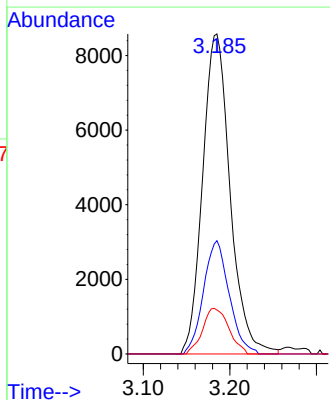
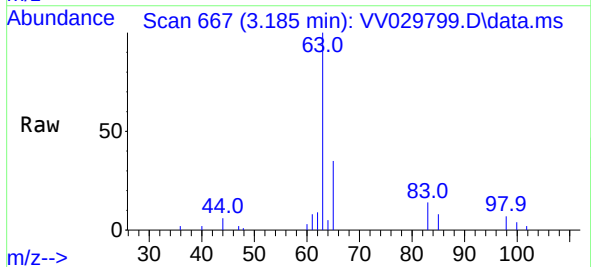
Instrument :
MSVOA_V
ClientSampleId :
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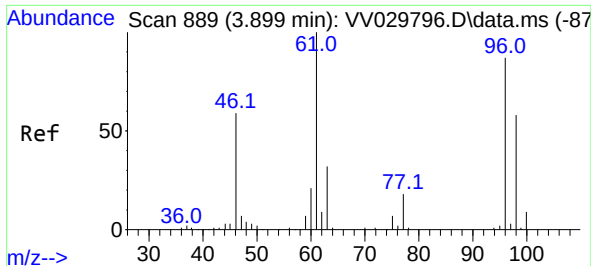
Tgt Ion: 73 Resp: 151361
Ion Ratio Lower Upper
73 100
43 16.5 13.0 19.4
57 21.4 17.1 25.7



#19
1,1-Dichloroethane
Concen: 0.669 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.006 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

Tgt Ion: 63 Resp: 18914
Ion Ratio Lower Upper
63 100
65 35.4 22.4 41.6
83 13.8 10.2 19.0

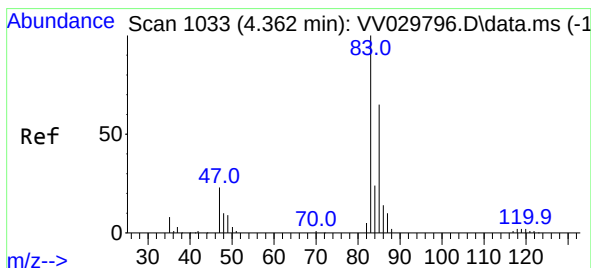
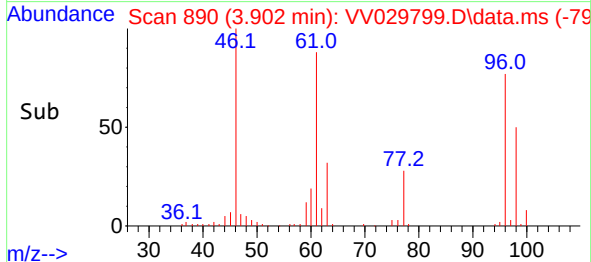
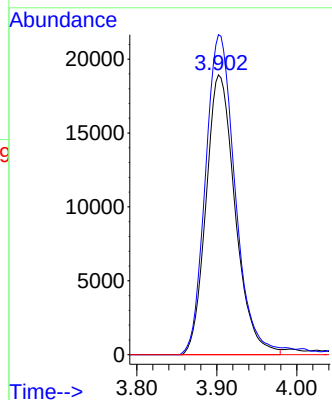
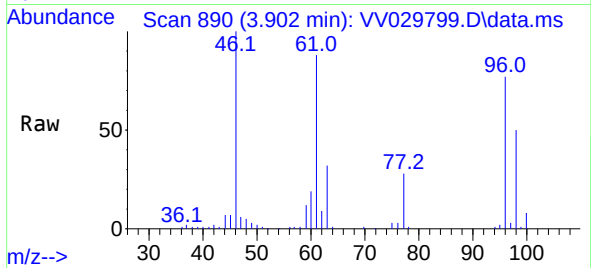




#22
cis-1,2-Dichloroethene
Concen: 2.670 ug/L
RT: 3.902 min Scan# 89
Delta R.T. 0.003 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

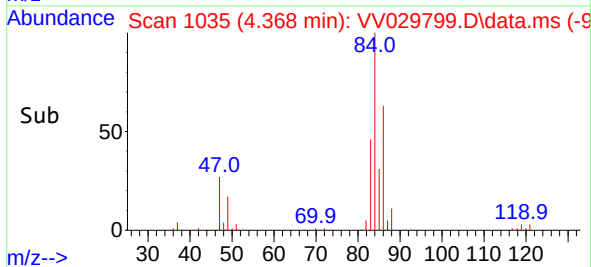
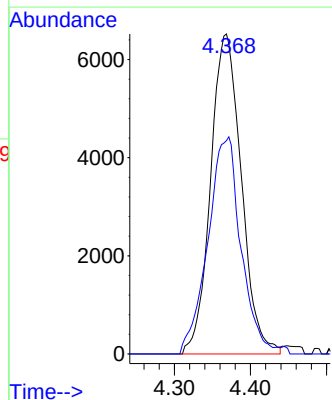
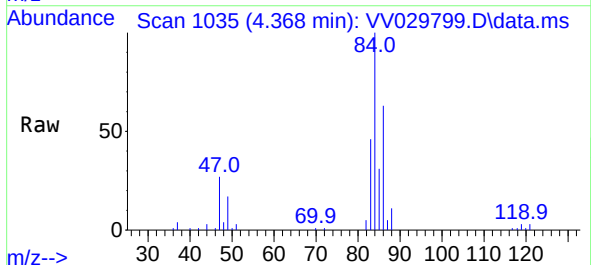
Instrument :
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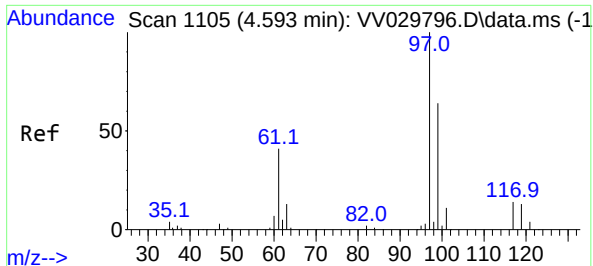
Tgt Ion: 96 Resp: 48065
Ion Ratio Lower Upper
96 100
61 114.4 80.0 148.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.596 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.006 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

Tgt Ion: 83 Resp: 18326
Ion Ratio Lower Upper
83 100
85 66.7 46.5 86.5





#29

1,1,1-Trichloroethane

Concen: 0.830 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV029799.D

Acq: 13 Jan 2023 11:31

Instrument :

MSVOA_V

ClientSampleId :

BGJB9

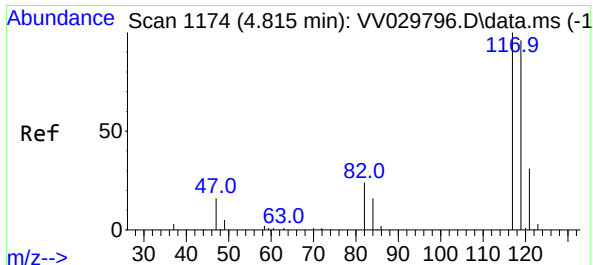
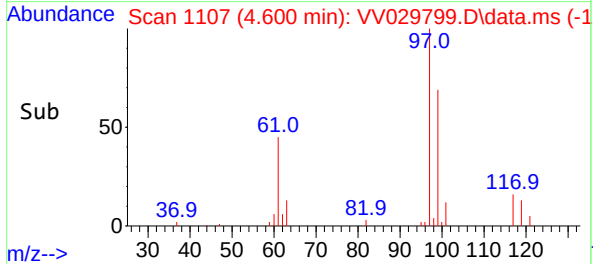
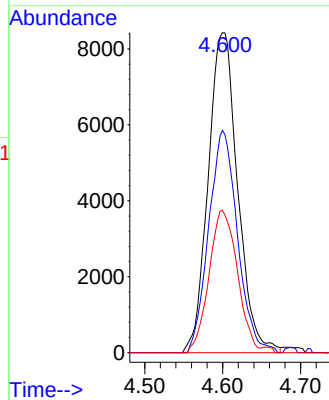
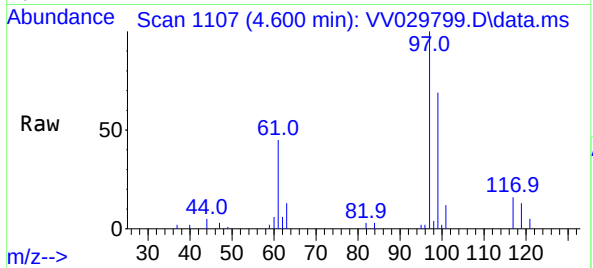
Tgt Ion: 97 Resp: 22188

Ion Ratio Lower Upper

97 100

99 67.8 51.3 76.9

61 42.8 31.6 47.4



#31

Carbon tetrachloride

Concen: 0.141 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.212 min

Lab File: VV029799.D

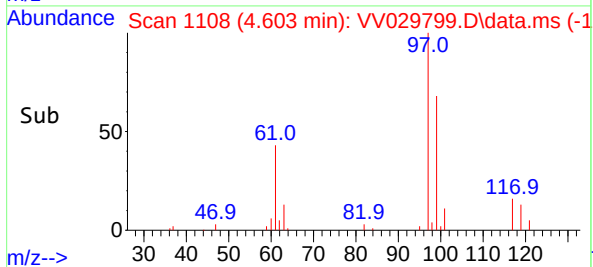
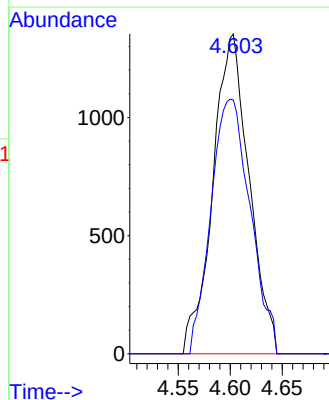
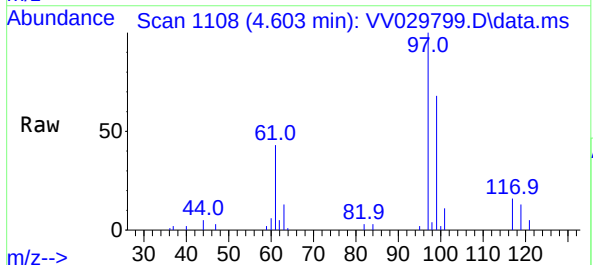
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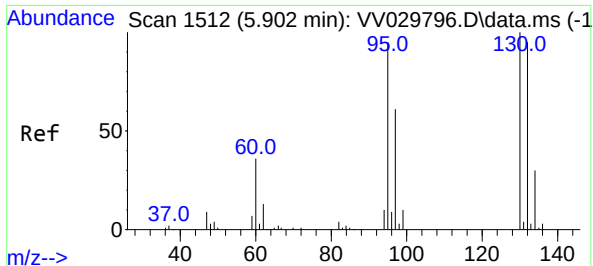
Tgt Ion: 117 Resp: 3276

Ion Ratio Lower Upper

117 100

119 86.4 76.6 114.8

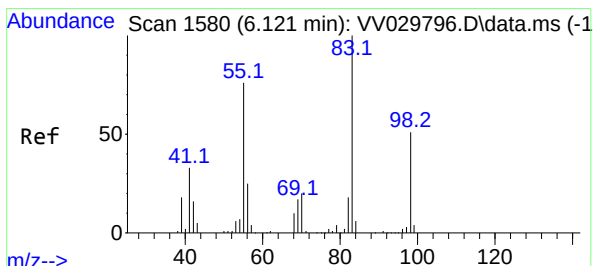
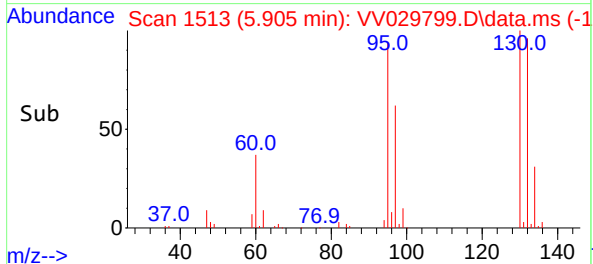
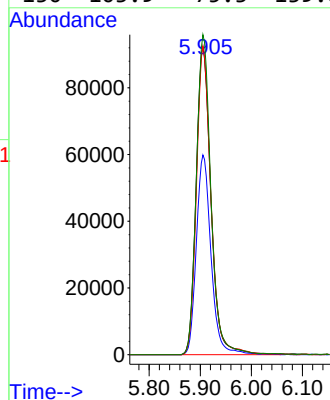
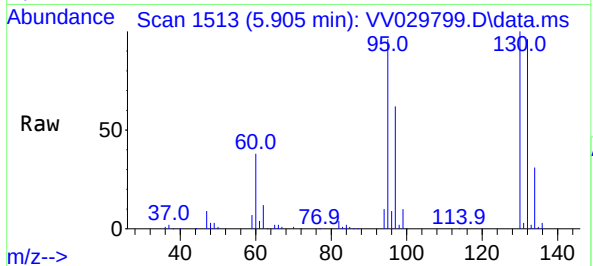




#34
Trichloroethene
Concen: 10.804 ug/L
RT: 5.905 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

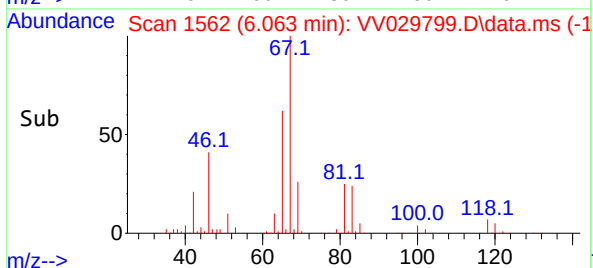
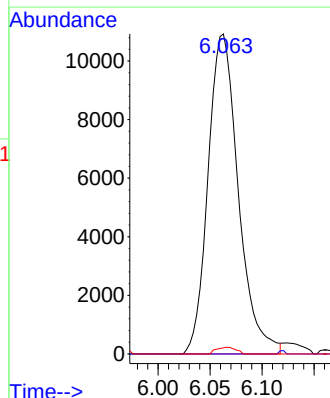
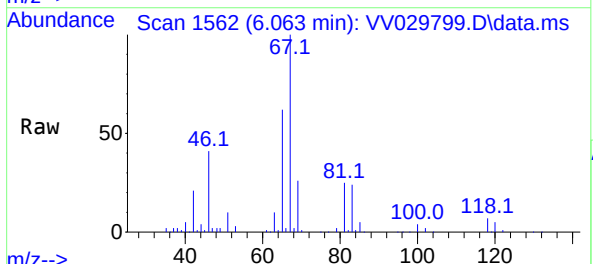
Instrument :
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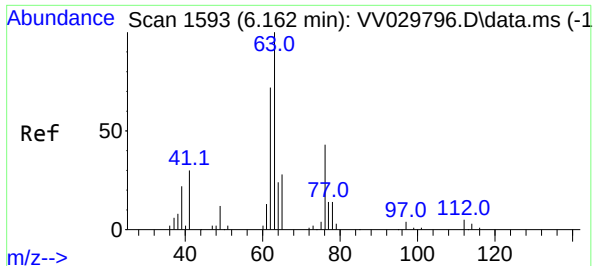
Tgt Ion: 95 Resp: 186296
Ion Ratio Lower Upper
95 100
97 64.8 44.9 83.3
132 100.1 71.8 133.4
130 103.9 75.3 139.8



#35
Methylcyclohexane
Concen: 0.761 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.058 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

Tgt Ion: 83 Resp: 22157
Ion Ratio Lower Upper
83 100
55 0.2 57.3 85.9#
98 1.3 39.0 58.6#

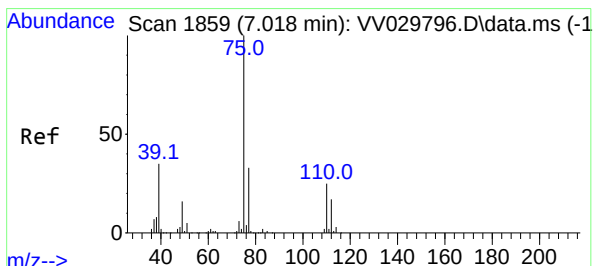
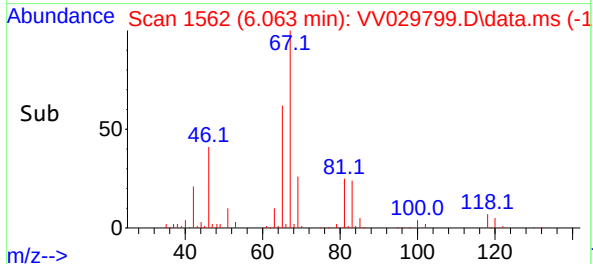
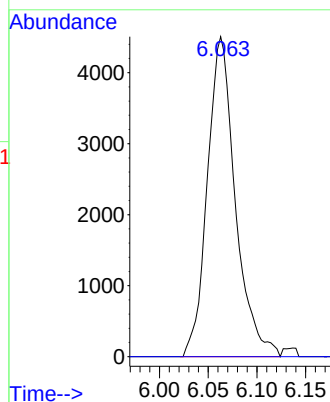
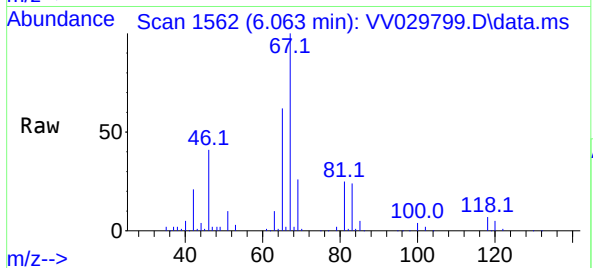




#37
1,2-Dichloropropane
Concen: 0.565 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.100 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

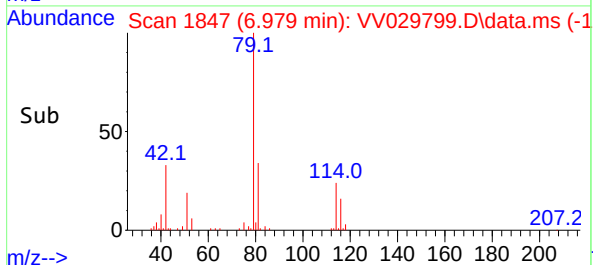
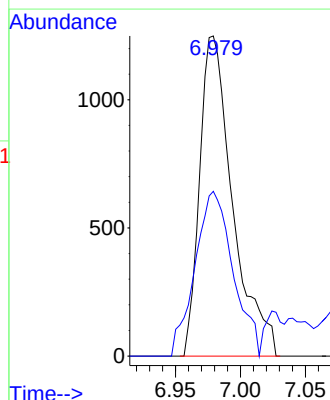
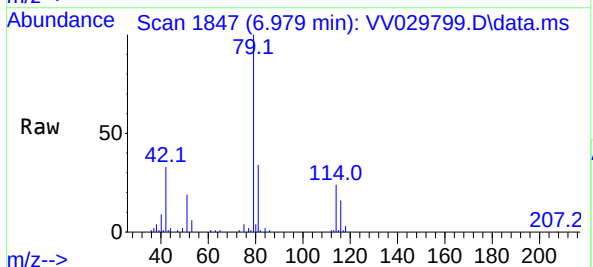
Instrument :
MSVOA_V
ClientSampleId :
BGJB9

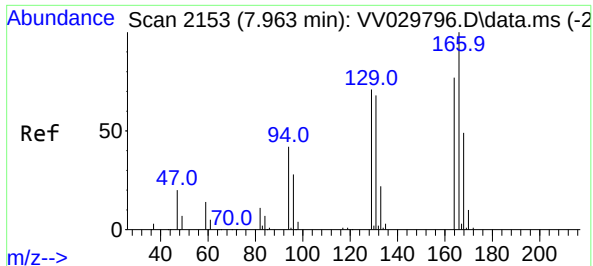
Tgt Ion: 63 Resp: 9004
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#



#39
cis-1,3-Dichloropropene
Concen: 0.103 ug/L
RT: 6.979 min Scan# 1847
Delta R.T. -0.039 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

Tgt Ion: 75 Resp: 2209
Ion Ratio Lower Upper
75 100
77 51.5 22.4 41.6#





#47

Tetrachloroethene

Concen: 0.668 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.000 min

Lab File: VV029799.D

Acq: 13 Jan 2023 11:31

Instrument :

MSVOA_V

ClientSampleId :

BGJB9

Tgt Ion:164 Resp: 9691

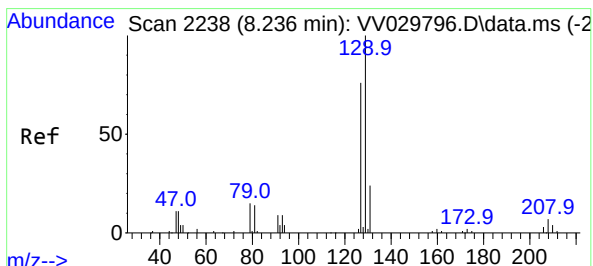
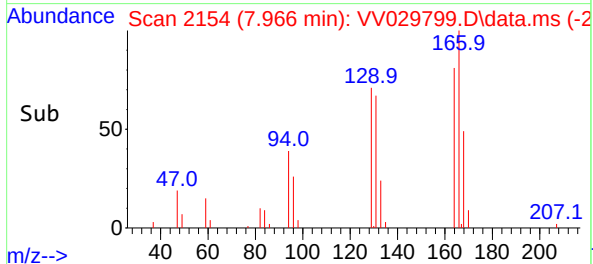
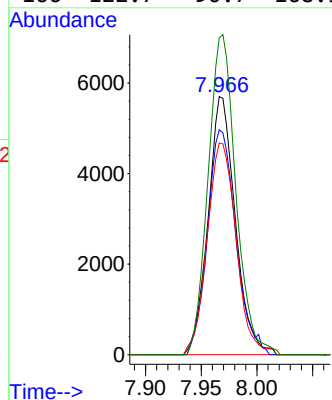
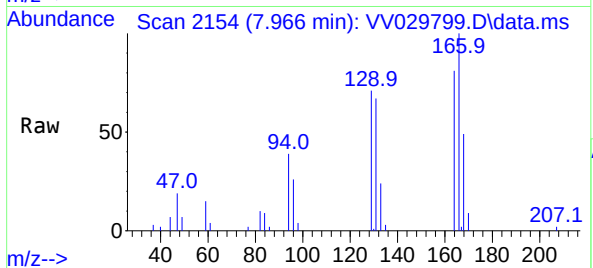
Ion Ratio Lower Upper

164 100

129 87.1 64.5 119.7

131 82.0 62.9 116.7

166 122.7 90.7 168.5



#49

Dibromochloromethane

Concen: 0.640 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.270 min

Lab File: VV029799.D

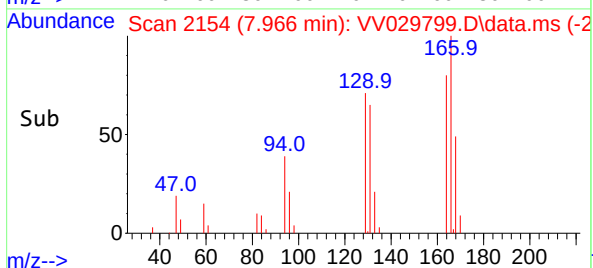
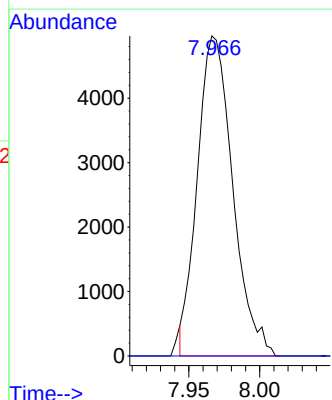
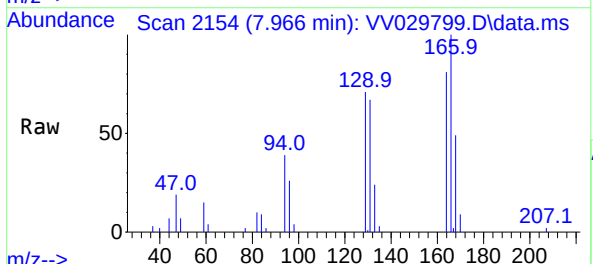
Acq: 13 Jan 2023 11:31

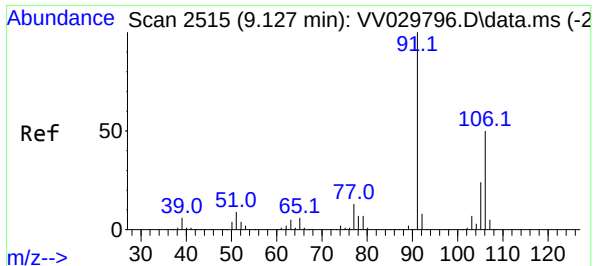
Tgt Ion:129 Resp: 8617

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#

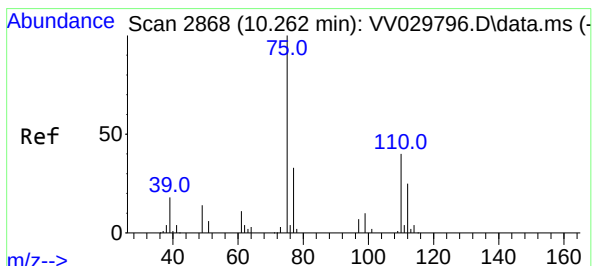
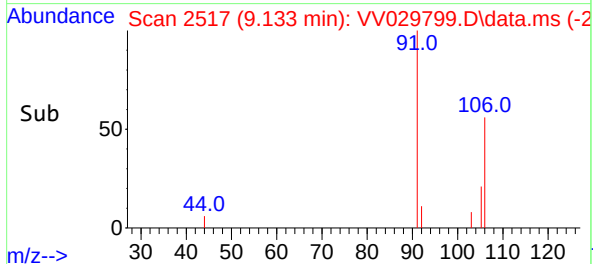
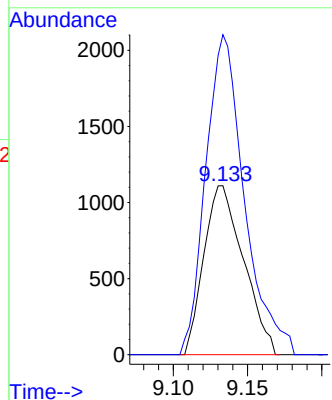
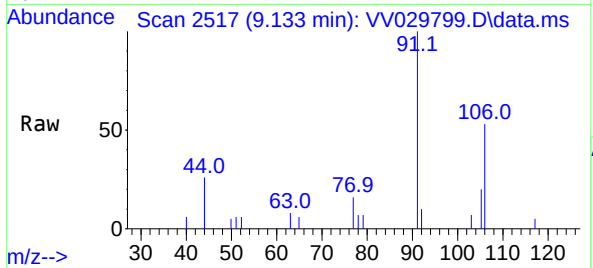




#53
m,p-Xylene
Concen: 0.068 ug/L
RT: 9.133 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

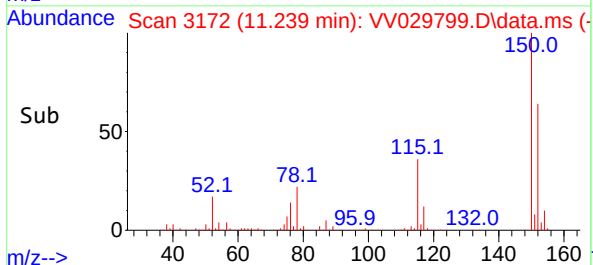
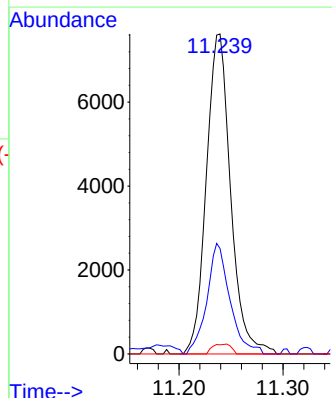
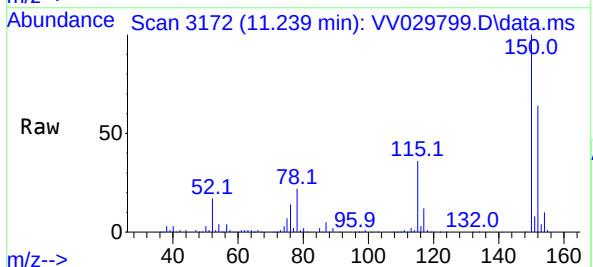
Instrument :
MSVOA_V
ClientSampleId :
BGJB9

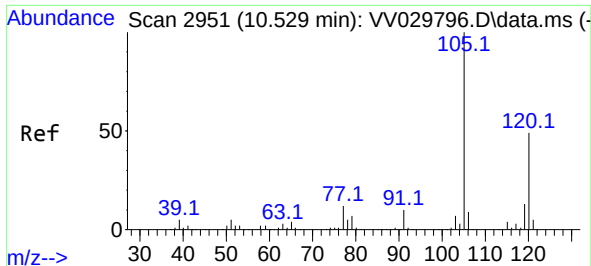
Tgt Ion:106 Resp: 2062
Ion Ratio Lower Upper
106 100
91 189.5 138.7 257.7



#61
1,2,3-Trichloropropane
Concen: 1.560 ug/L
RT: 11.239 min Scan# 3172
Delta R.T. 0.977 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

Tgt Ion: 75 Resp: 12355
Ion Ratio Lower Upper
75 100
77 32.7 26.5 39.7
110 2.4 31.8 47.8#

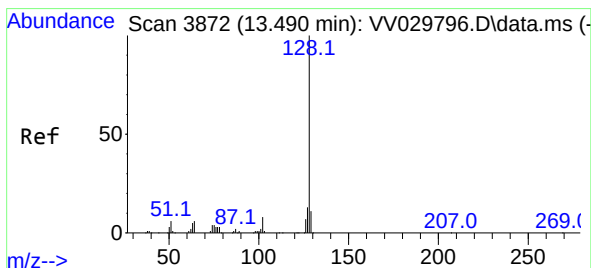
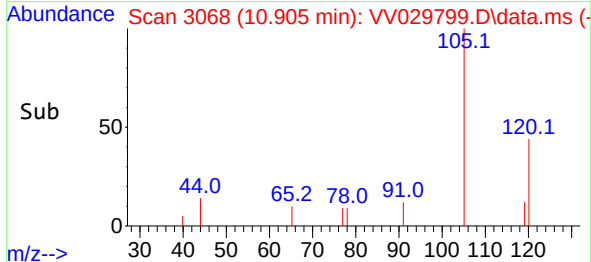
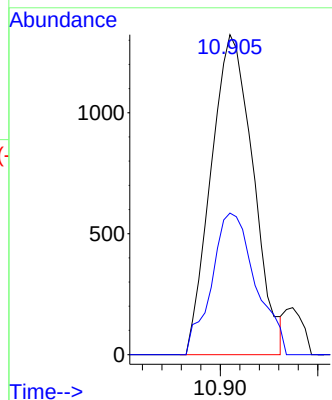
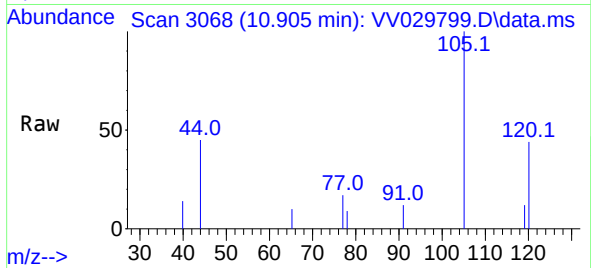




#62
1,3,5-Trimethylbenzene
Concen: 0.034 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. 0.376 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

Instrument :
MSVOA_V
ClientSampleId :
BGJB9

Tgt Ion:105 Resp: 1987
Ion Ratio Lower Upper
105 100
120 46.3 40.1 60.1



#71
Naphthalene
Concen: 0.095 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. 0.003 min
Lab File: VV029799.D
Acq: 13 Jan 2023 11:31

Tgt Ion:128 Resp: 2697
Ion Ratio Lower Upper
128 100
129 5.1 8.6 12.8#
127 12.0 10.0 15.0

