

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029863.D
 Acq On : 14 Jan 2023 16:48
 Operator : SY/MD
 Sample : 01138-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1Y2

Quant Time: Jan 16 00:41:36 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	185392	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	183049	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	92188	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	64059	4.556	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.200%
7) Chloroethane-d5	1.564	69	60699	5.207	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.200%
11) 1,1-Dichloroethene-d2	2.111	63	252930	9.867	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	197.400%#
20) 2-Butanone-d5	3.886	46	135761	54.471	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.940%
24) Chloroform-d	4.339	84	138175	5.357	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.200%
26) 1,2-Dichloroethane-d4	5.027	65	60359	5.525	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.600%
32) Benzene-d6	5.043	84	283888	5.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
36) 1,2-Dichloropropane-d6	6.063	67	86426	5.439	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.800%
41) Toluene-d8	7.307	98	239457	4.763	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	7.616	79	25304	4.360	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.085	63	123563	52.296	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.600%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	64075	5.502	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.000%
66) 1,2-Dichlorobenzene-d4	11.612	152	93717	5.592	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2166	0.119	ug/L	98
5) Vinyl chloride	1.307	62	834	0.047	ug/L #	1
8) Chloroethane	1.539	64	69499	6.433	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1658	0.121	ug/L #	24
12) 1,1-Dichloroethene	2.114	96	328538	20.754	ug/L #	83
14) Carbon disulfide	2.291	76	2711	0.059	ug/L #	93
16) Methylene chloride	2.503	84	5377	0.273	ug/L	95
17) Methyl tert-butyl Ether	2.761	73	5550	0.203	ug/L	97
18) trans-1,2-Dichloroethene	2.767	96	808	0.055	ug/L	79
19) 1,1-Dichloroethane	3.182	63	274792	11.162	ug/L	99
22) cis-1,2-Dichloroethene	3.905	96	6201	0.395	ug/L	92
27) 1,2-Dichloroethane	5.133	62	2188	0.168	ug/L #	93
34) Trichloroethene	5.908	95	33998	2.217	ug/L	97
35) Methylcyclohexane	6.063	83	21346	0.824	ug/L #	20
37) 1,2-Dichloropropane	6.169	63	8841	0.624	ug/L	99
39) cis-1,3-Dichloropropene	6.979	75	1698	0.089	ug/L #	59
47) Tetrachloroethene	7.969	164	1590	0.123	ug/L	94
49) Dibromochloromethane	7.969	129	1492	0.124	ug/L #	11
53) m,p-Xylene	9.133	106	1149	0.042	ug/L	82

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 12 22:05:54 2023
Response via : Initial Calibration

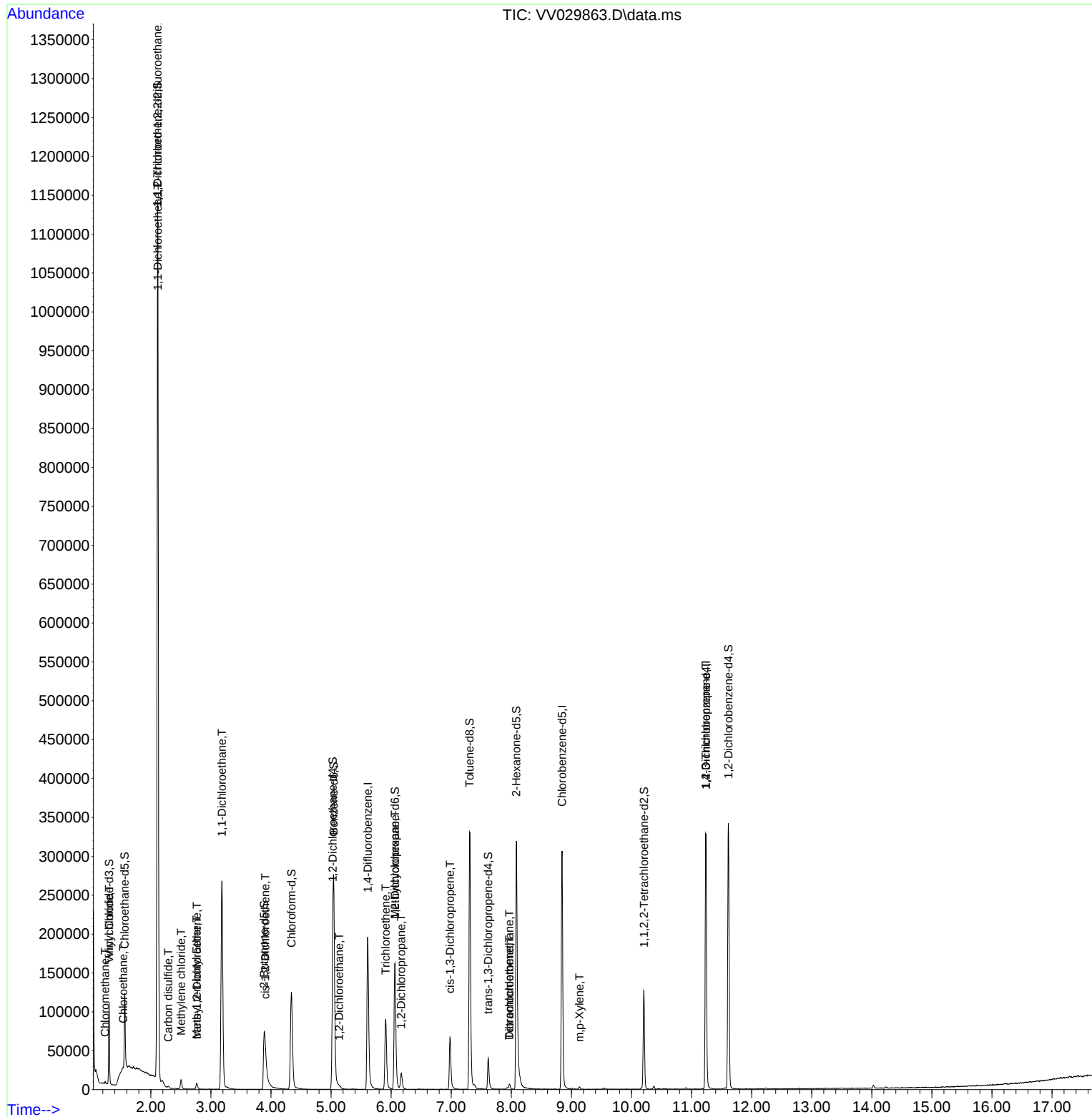
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.236	75	10392	1.522	ug/L	# 65

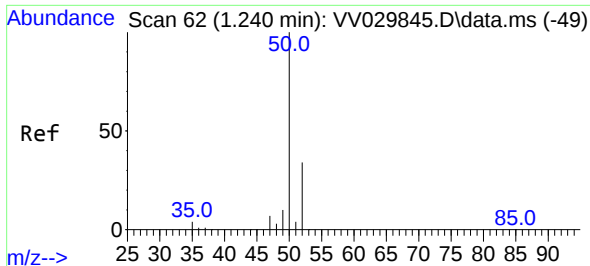
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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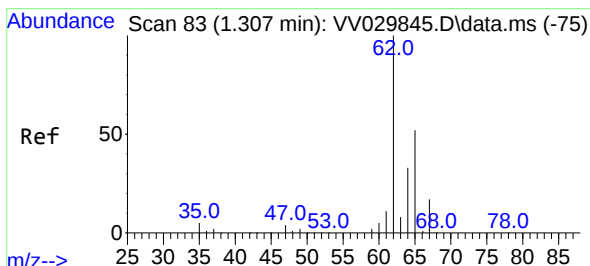
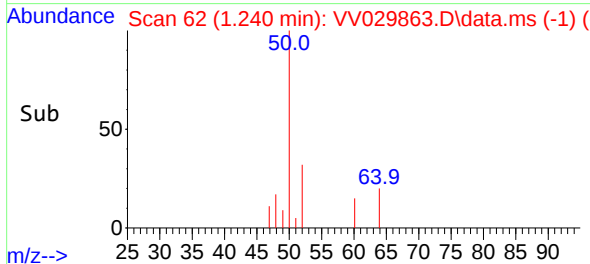
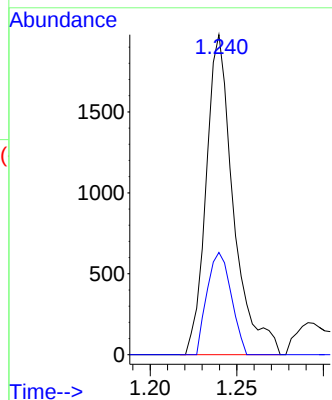
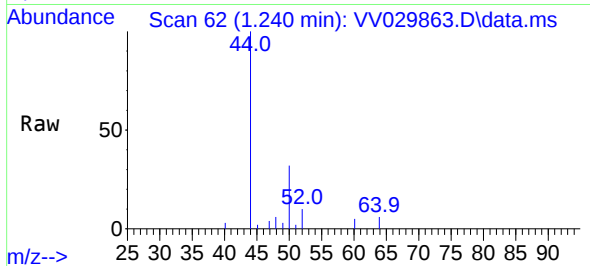




#3
Chloromethane
Concen: 0.119 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

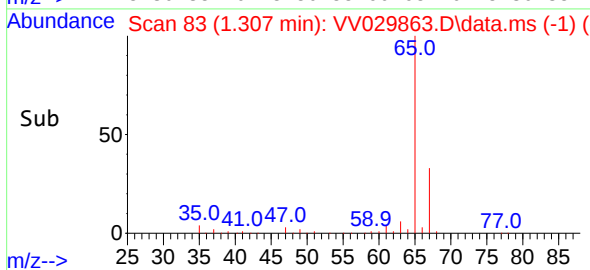
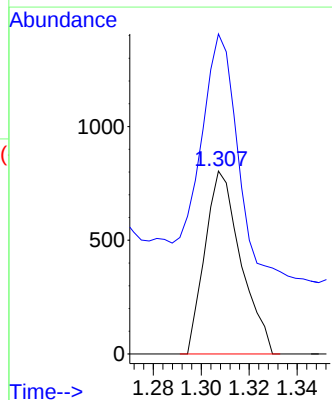
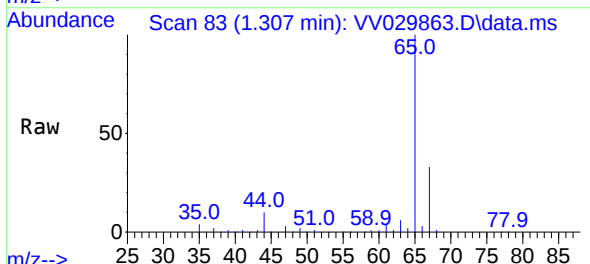
Instrument :
MSVOA_V
ClientSampleId :
BH1Y2

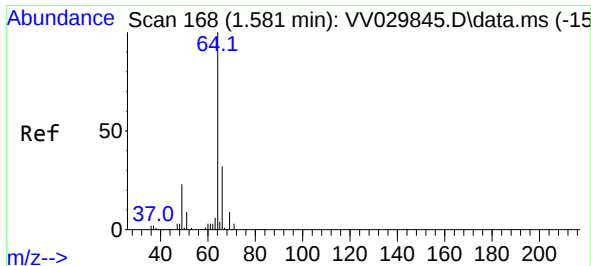
Tgt Ion: 50 Resp: 2166
Ion Ratio Lower Upper
50 100
52 32.0 23.1 42.9



#5
Vinyl chloride
Concen: 0.047 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

Tgt Ion: 62 Resp: 834
Ion Ratio Lower Upper
62 100
64 175.0 23.2 43.2#

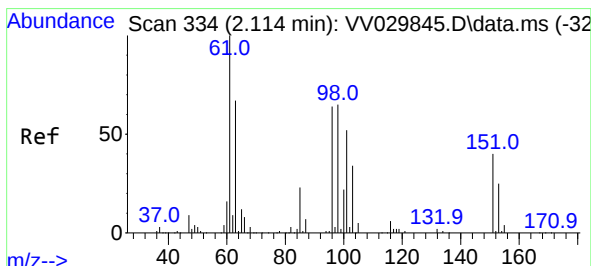
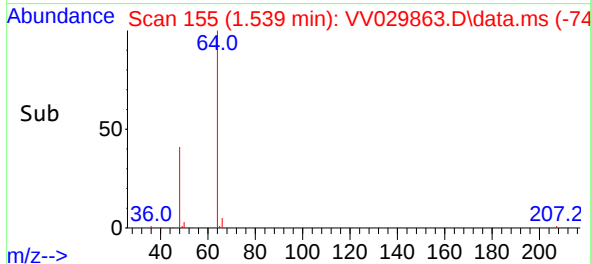
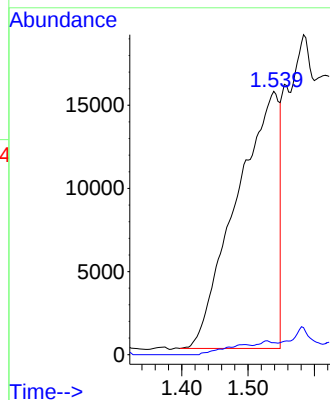
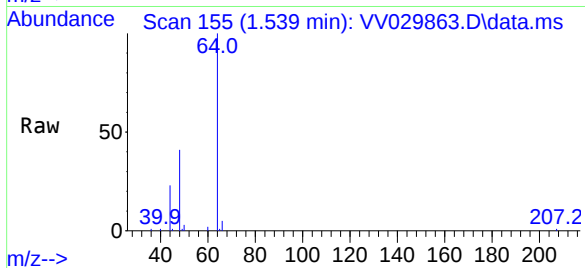




#8
Chloroethane
Concen: 6.433 ug/L
RT: 1.539 min Scan# 11
Delta R.T. -0.039 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

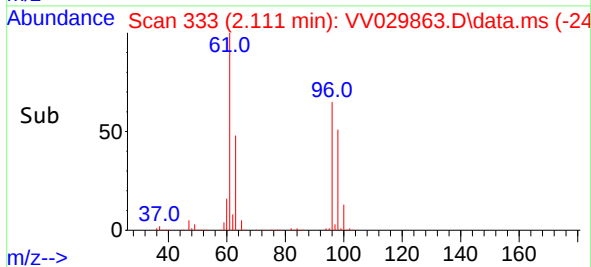
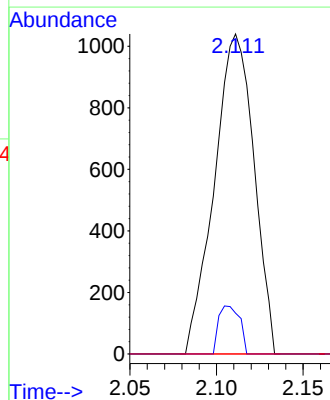
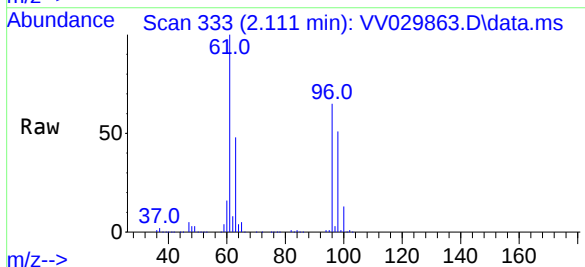
Instrument :
MSVOA_V
ClientSampleId :
BH1Y2

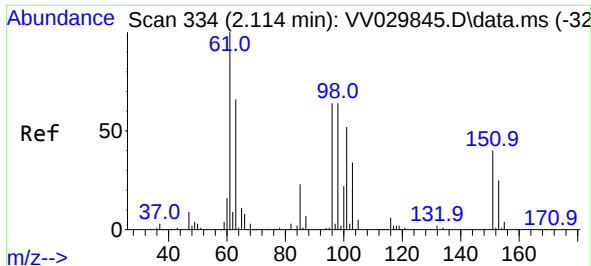
Tgt Ion: 64 Resp: 69499
Ion Ratio Lower Upper
64 100
66 4.6 22.9 42.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.121 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.000 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

Tgt Ion:101 Resp: 1658
Ion Ratio Lower Upper
101 100
85 8.0 32.9 49.3#
151 0.0 60.9 91.3#

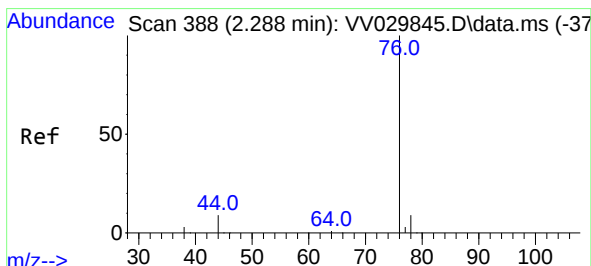
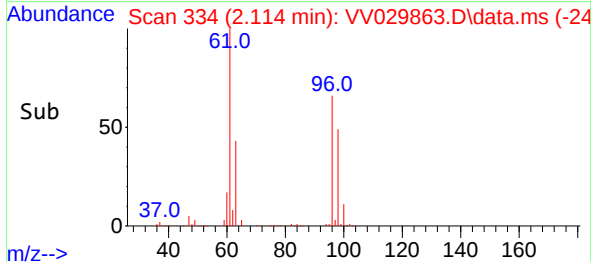
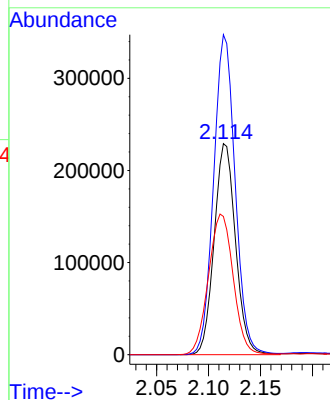
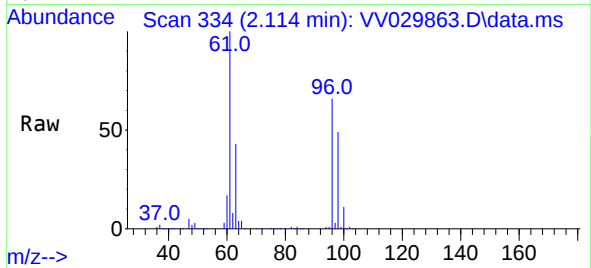




#12
1,1-Dichloroethene
Concen: 20.754 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

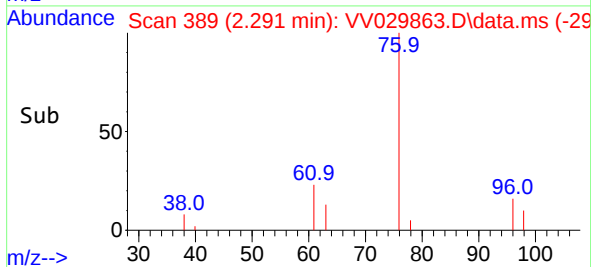
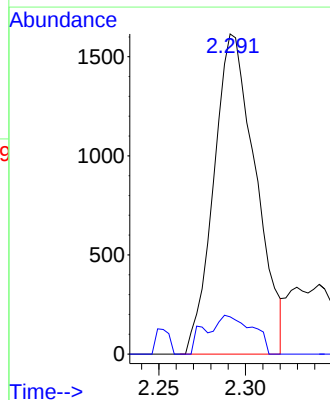
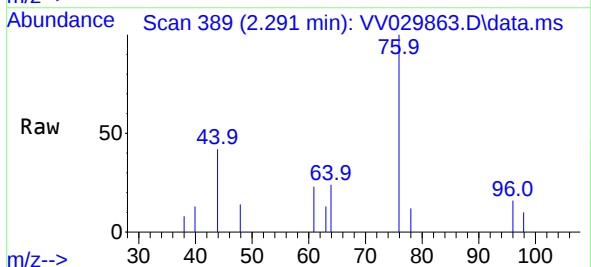
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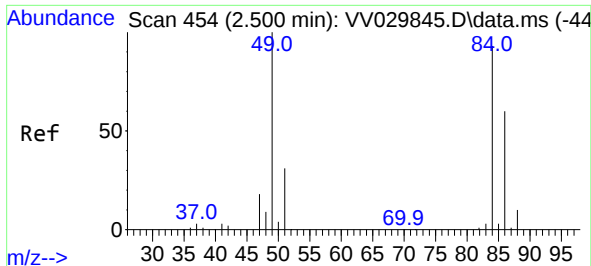
Tgt Ion: 96 Resp: 328538
Ion Ratio Lower Upper
96 100
61 151.6 106.1 197.1
63 65.5 76.4 141.8#



#14
Carbon disulfide
Concen: 0.059 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.006 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

Tgt Ion: 76 Resp: 2711
Ion Ratio Lower Upper
76 100
78 11.6 7.4 11.0#

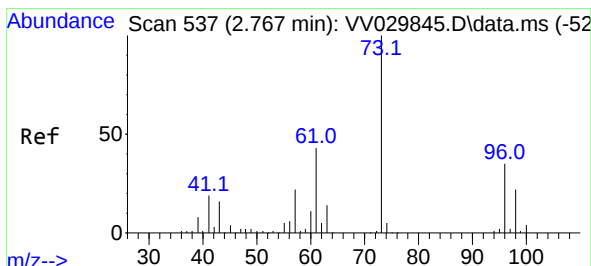
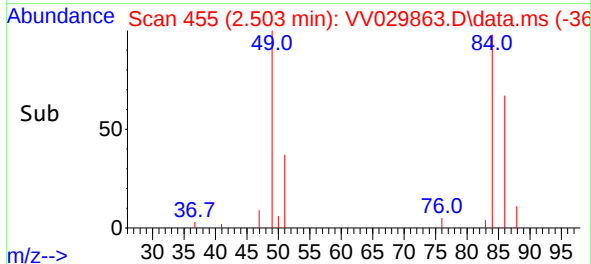
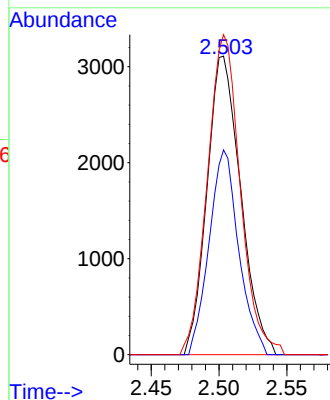
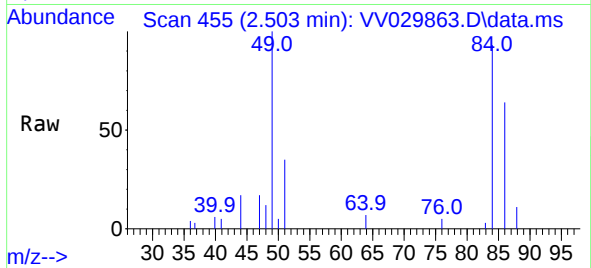




#16
Methylene chloride
Concen: 0.273 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

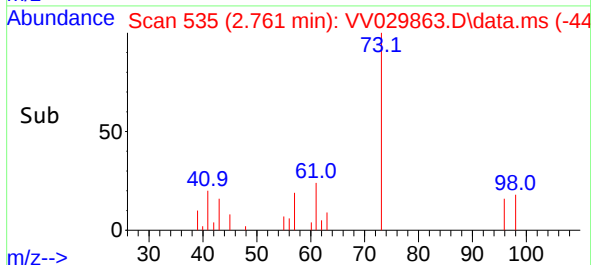
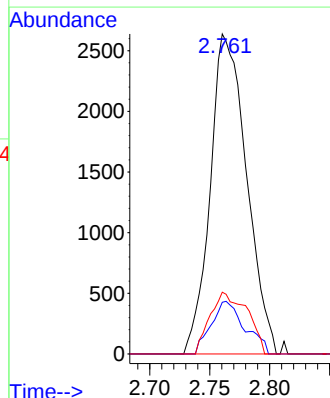
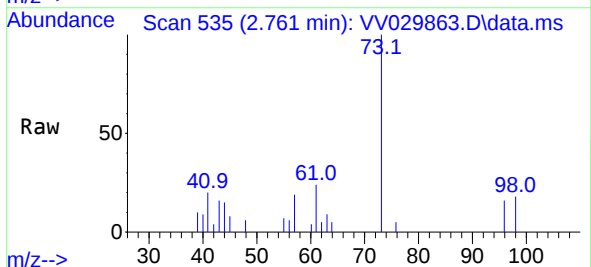
Instrument :
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ClientSampleId :
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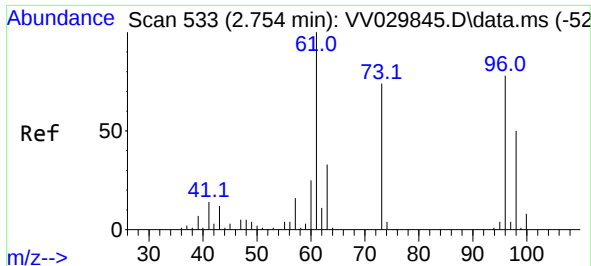
Tgt Ion: 84 Resp: 5377
Ion Ratio Lower Upper
84 100
86 68.6 45.0 83.6
49 107.2 71.5 132.7



#17
Methyl tert-butyl Ether
Concen: 0.203 ug/L
RT: 2.761 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

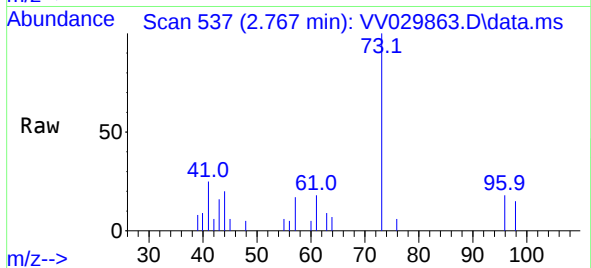
Tgt Ion: 73 Resp: 5550
Ion Ratio Lower Upper
73 100
43 15.4 13.0 19.4
57 19.8 17.1 25.7



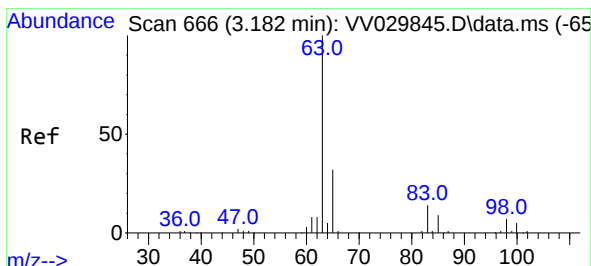
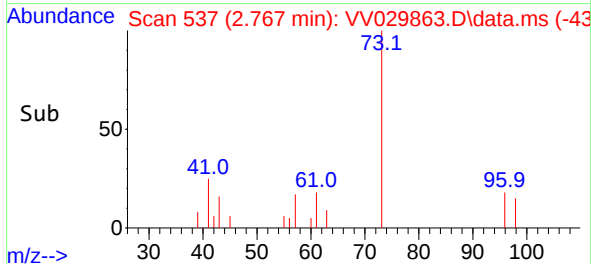
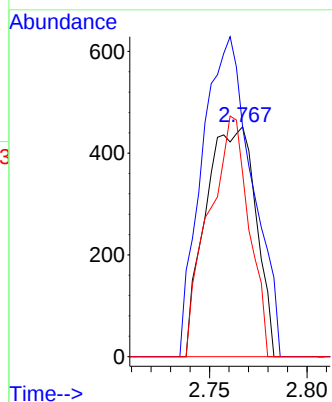


#18
trans-1,2-Dichloroethene
Concen: 0.055 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.016 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

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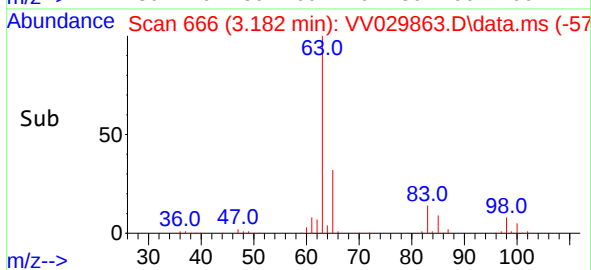
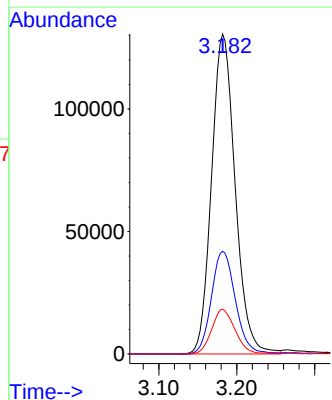
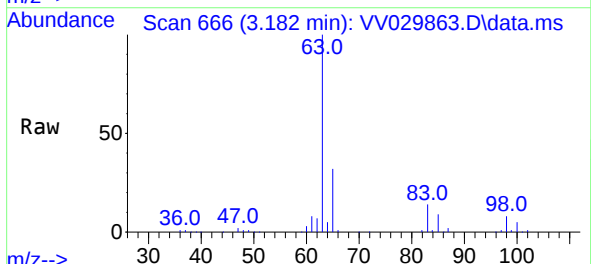


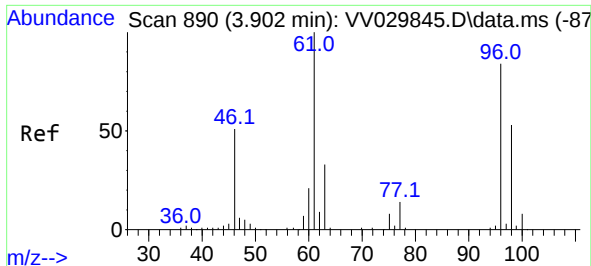
Tgt Ion: 96 Resp: 808
Ion Ratio Lower Upper
96 100
61 100.0 86.1 159.9
98 79.9 43.9 81.5



#19
1,1-Dichloroethane
Concen: 11.162 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.003 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

Tgt Ion: 63 Resp: 274792
Ion Ratio Lower Upper
63 100
65 32.1 22.4 41.6
83 14.0 10.2 19.0

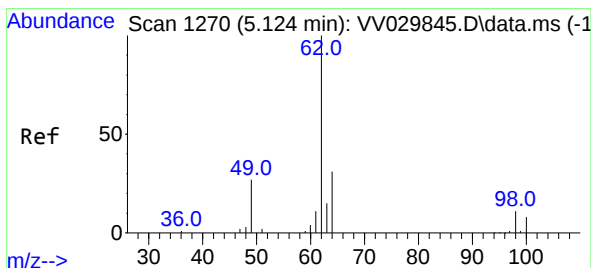
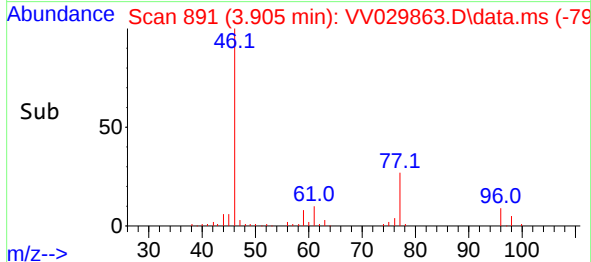
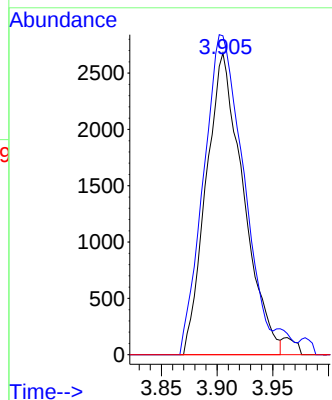
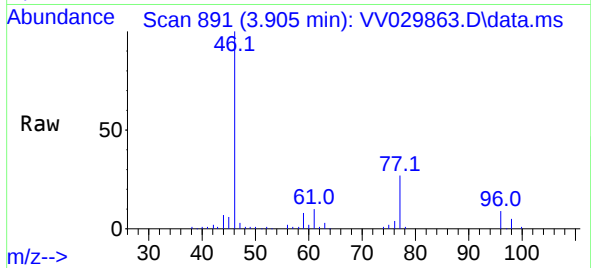




#22
 cis-1,2-Dichloroethene
 Concen: 0.395 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. 0.006 min
 Lab File: VV029863.D
 Acq: 14 Jan 2023 16:48

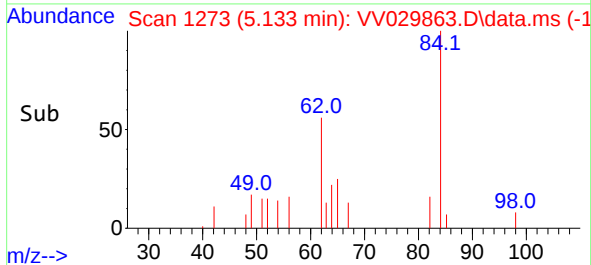
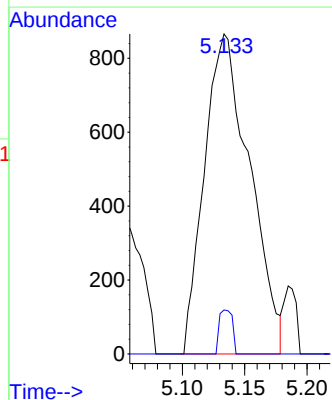
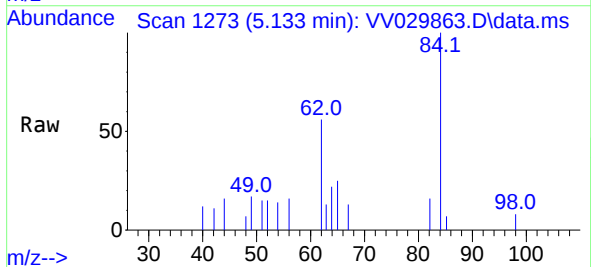
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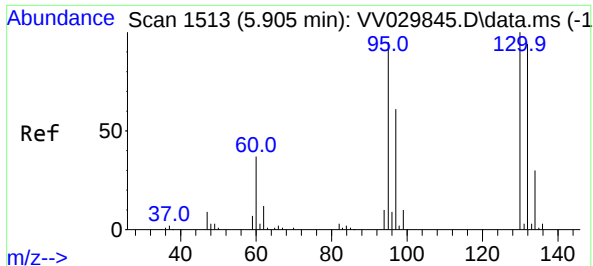
Tgt Ion: 96 Resp: 6201
 Ion Ratio Lower Upper
 96 100
 61 105.7 80.0 148.6
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.168 ug/L
 RT: 5.133 min Scan# 1273
 Delta R.T. 0.013 min
 Lab File: VV029863.D
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Tgt Ion: 62 Resp: 2188
 Ion Ratio Lower Upper
 62 100
 98 13.7 8.9 13.3#

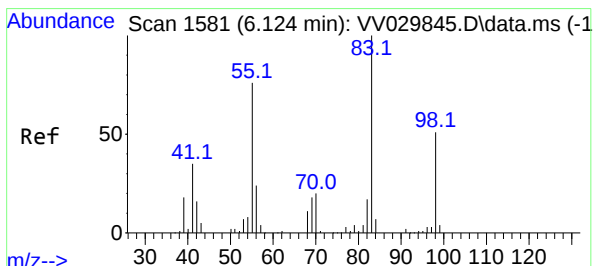
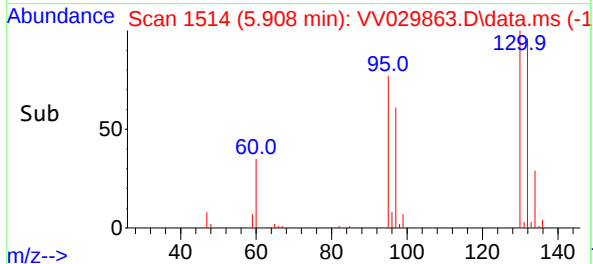
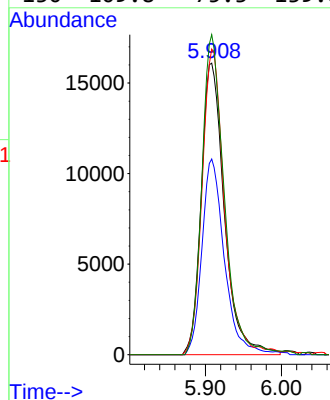
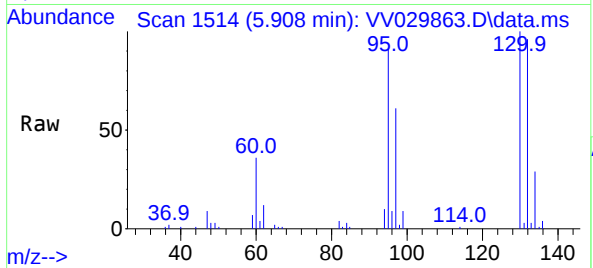




#34
Trichloroethene
Concen: 2.217 ug/L
RT: 5.908 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

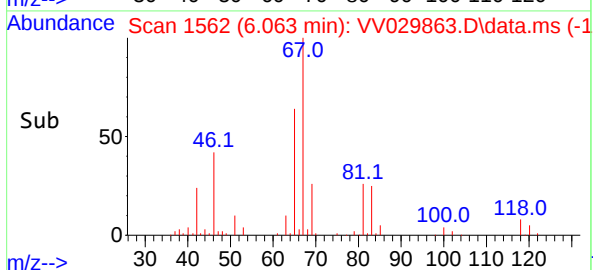
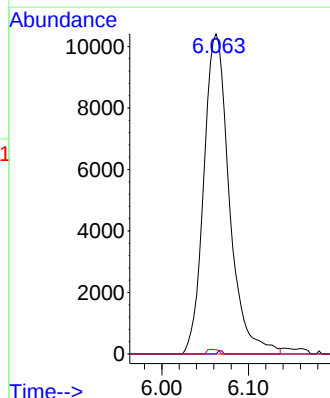
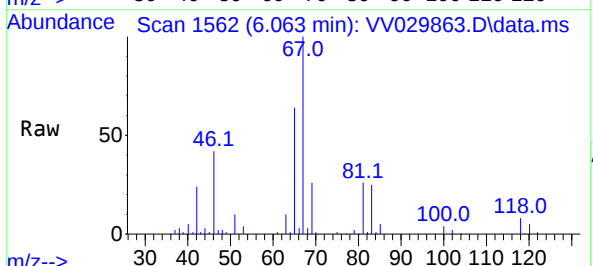
Instrument :
MSVOA_V
ClientSampleId :
BH1Y2

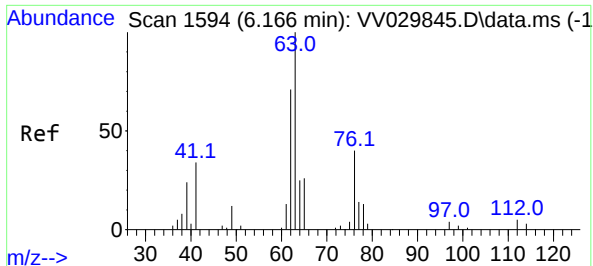
Tgt Ion: 95 Resp: 33998
Ion Ratio Lower Upper
95 100
97 67.1 44.9 83.3
132 104.9 71.8 133.4
130 109.8 75.3 139.8



#35
Methylcyclohexane
Concen: 0.824 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.058 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

Tgt Ion: 83 Resp: 21346
Ion Ratio Lower Upper
83 100
55 0.2 57.3 85.9#
98 0.6 39.0 58.6#

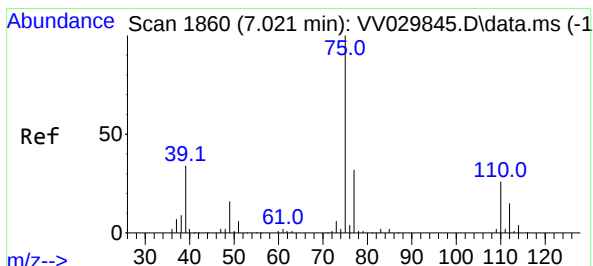
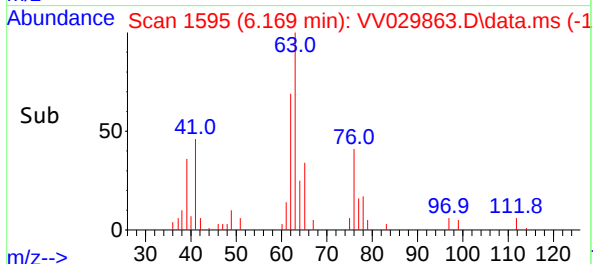
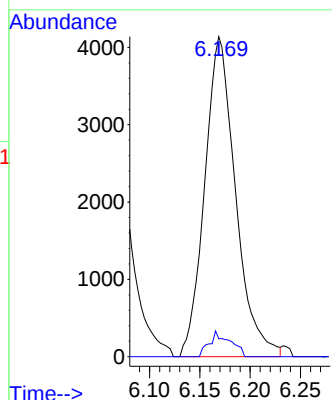
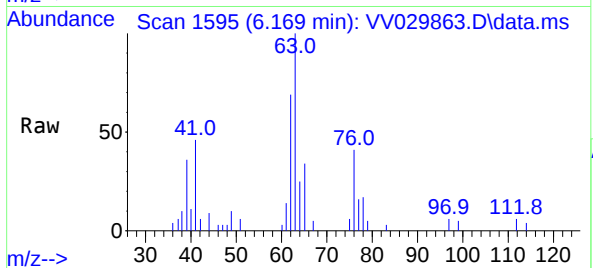




#37
1,2-Dichloropropane
Concen: 0.624 ug/L
RT: 6.169 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

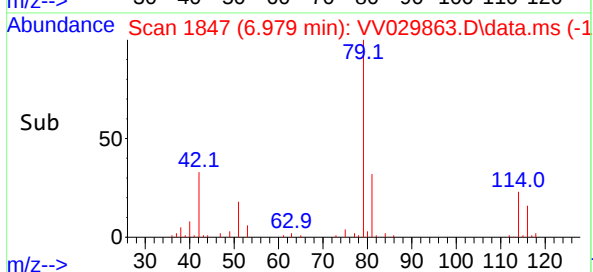
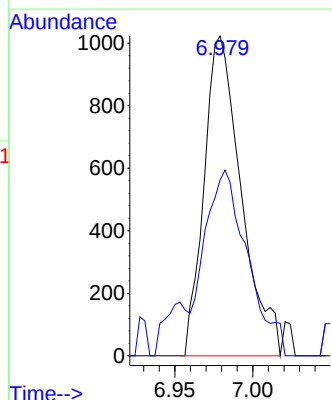
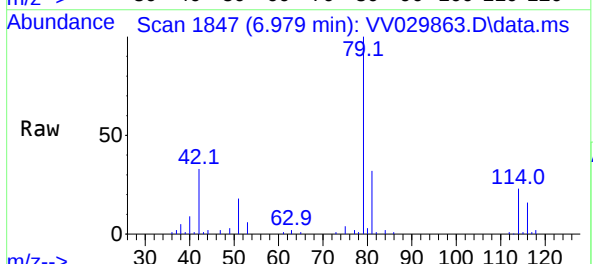
Instrument :
MSVOA_V
ClientSampleId :
BH1Y2

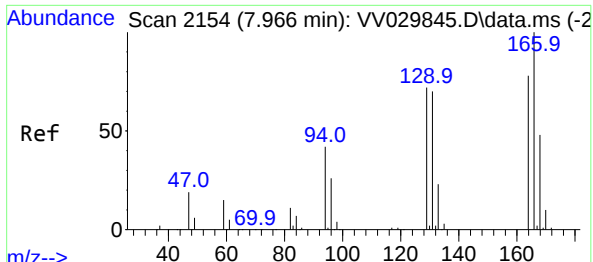
Tgt Ion: 63 Resp: 8841
Ion Ratio Lower Upper
63 100
112 5.4 3.9 5.9



#39
cis-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 6.979 min Scan# 1847
Delta R.T. -0.039 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

Tgt Ion: 75 Resp: 1698
Ion Ratio Lower Upper
75 100
77 54.9 22.4 41.6#



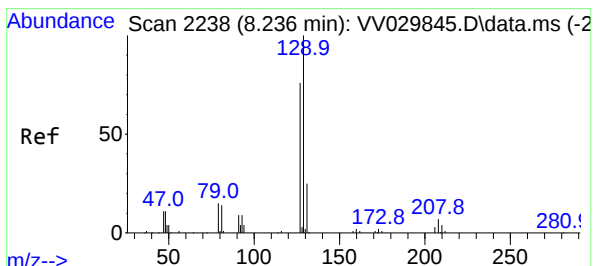
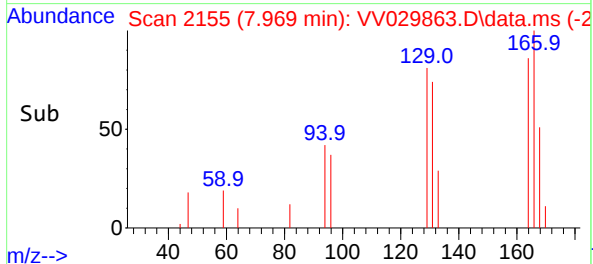
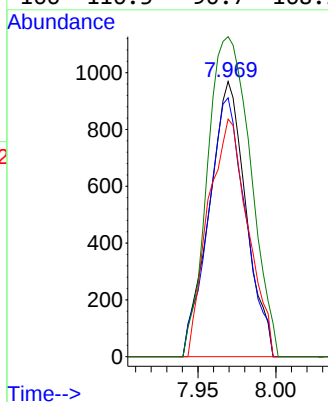
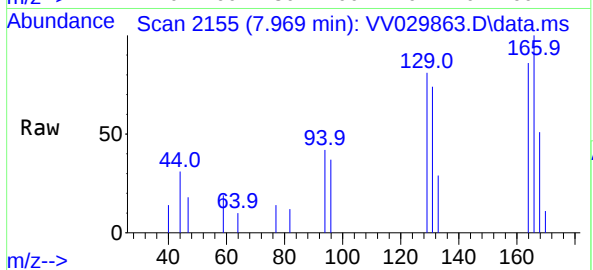


#47
Tetrachloroethene
Concen: 0.123 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

Instrument :
MSVOA_V
ClientSampleId :
BH1Y2

Tgt Ion:164 Resp: 1590

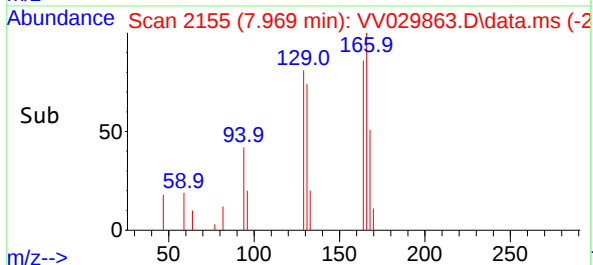
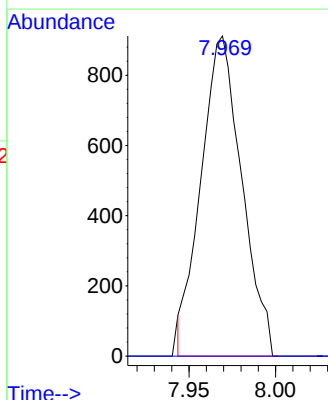
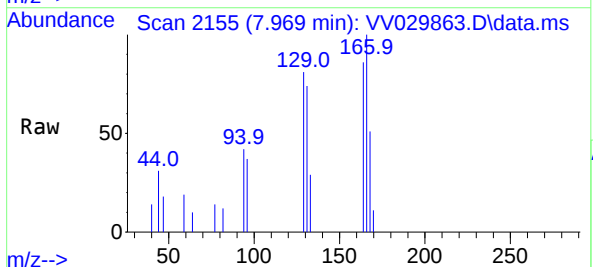
Ion	Ratio	Lower	Upper
164	100		
129	94.1	64.5	119.7
131	86.4	62.9	116.7
166	116.3	90.7	168.5

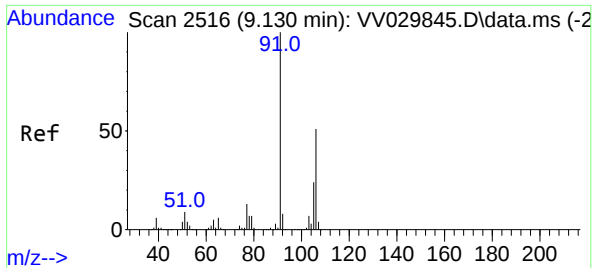


#49
Dibromochloromethane
Concen: 0.124 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.267 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

Tgt Ion:129 Resp: 1492

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.1	100.5

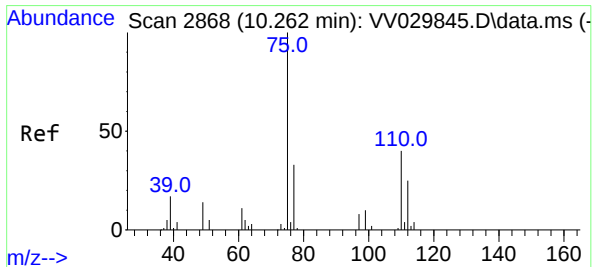
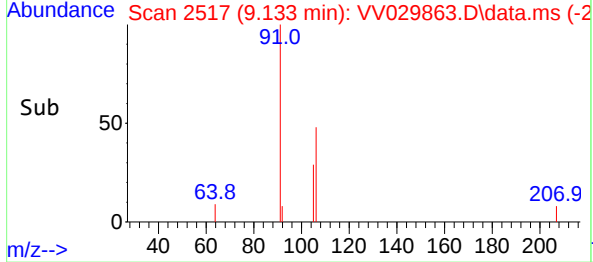
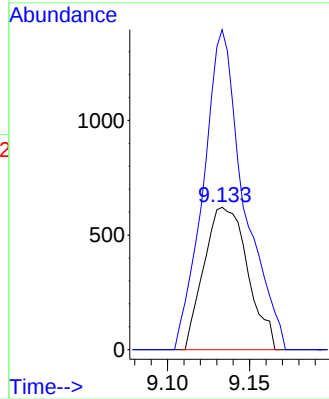
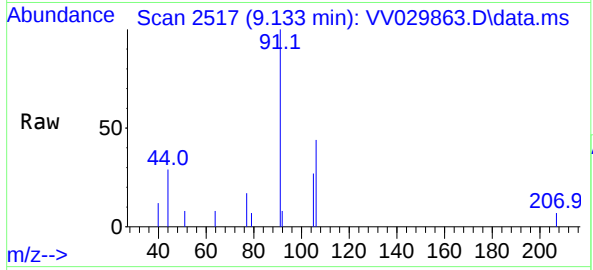




#53
m,p-Xylene
Concen: 0.042 ug/L
RT: 9.133 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

Instrument :
MSVOA_V
ClientSampleId :
BH1Y2

Tgt Ion:106 Resp: 1149
Ion Ratio Lower Upper
106 100
91 224.8 138.7 257.7



#61
1,2,3-Trichloropropane
Concen: 1.522 ug/L
RT: 11.236 min Scan# 3171
Delta R.T. 0.974 min
Lab File: VV029863.D
Acq: 14 Jan 2023 16:48

Tgt Ion: 75 Resp: 10392
Ion Ratio Lower Upper
75 100
77 32.5 26.5 39.7
110 1.4 31.8 47.8#

