

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029817.D
 Acq On : 13 Jan 2023 18:41
 Operator : SY/MD
 Sample : 01138-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1X4

Quant Time: Jan 13 22:53:00 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	202940	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	199628	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	103973	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	65934	4.283	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.565	69	61117	4.790	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.111	63	247809	8.831	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	176.600%#
20) 2-Butanone-d5	3.886	46	134733	49.384	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.760%
24) Chloroform-d	4.339	84	133999	4.746	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.024	65	59521	4.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.043	84	275256	4.648	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.063	67	85418	4.929	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.307	98	239513	4.369	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	7.616	79	24803	3.919	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.400%
46) 2-Hexanone-d5	8.085	63	123437	47.904	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.800%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	62967	4.958	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	94115	4.979	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2511	0.126	ug/L	98
8) Chloroethane	1.581	64	2123	0.180	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	1625	0.108	ug/L #	28
12) 1,1-Dichloroethene	2.114	96	327121	18.877	ug/L #	81
14) Carbon disulfide	2.291	76	3654	0.073	ug/L #	93
15) Methyl Acetate	2.179	43	3860	0.761	ug/L #	45
16) Methylene chloride	2.503	84	5543	0.257	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	5516	0.184	ug/L	94
18) trans-1,2-Dichloroethene	2.757	96	754	0.047	ug/L #	61
19) 1,1-Dichloroethane	3.182	63	272827	10.124	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	2795	0.163	ug/L	91
27) 1,2-Dichloroethane	5.137	62	2332	0.164	ug/L	99
34) Trichloroethene	5.908	95	33435	1.999	ug/L	99
35) Methylcyclohexane	6.063	83	20579	0.729	ug/L #	21
37) 1,2-Dichloropropane	6.169	63	9076	0.587	ug/L	98
39) cis-1,3-Dichloropropene	6.979	75	1675	0.081	ug/L #	54
47) Tetrachloroethene	7.966	164	1619	0.115	ug/L	90
49) Dibromochloromethane	7.966	129	1631	0.125	ug/L #	11
53) m,p-Xylene	9.130	106	1455	0.049	ug/L	95

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

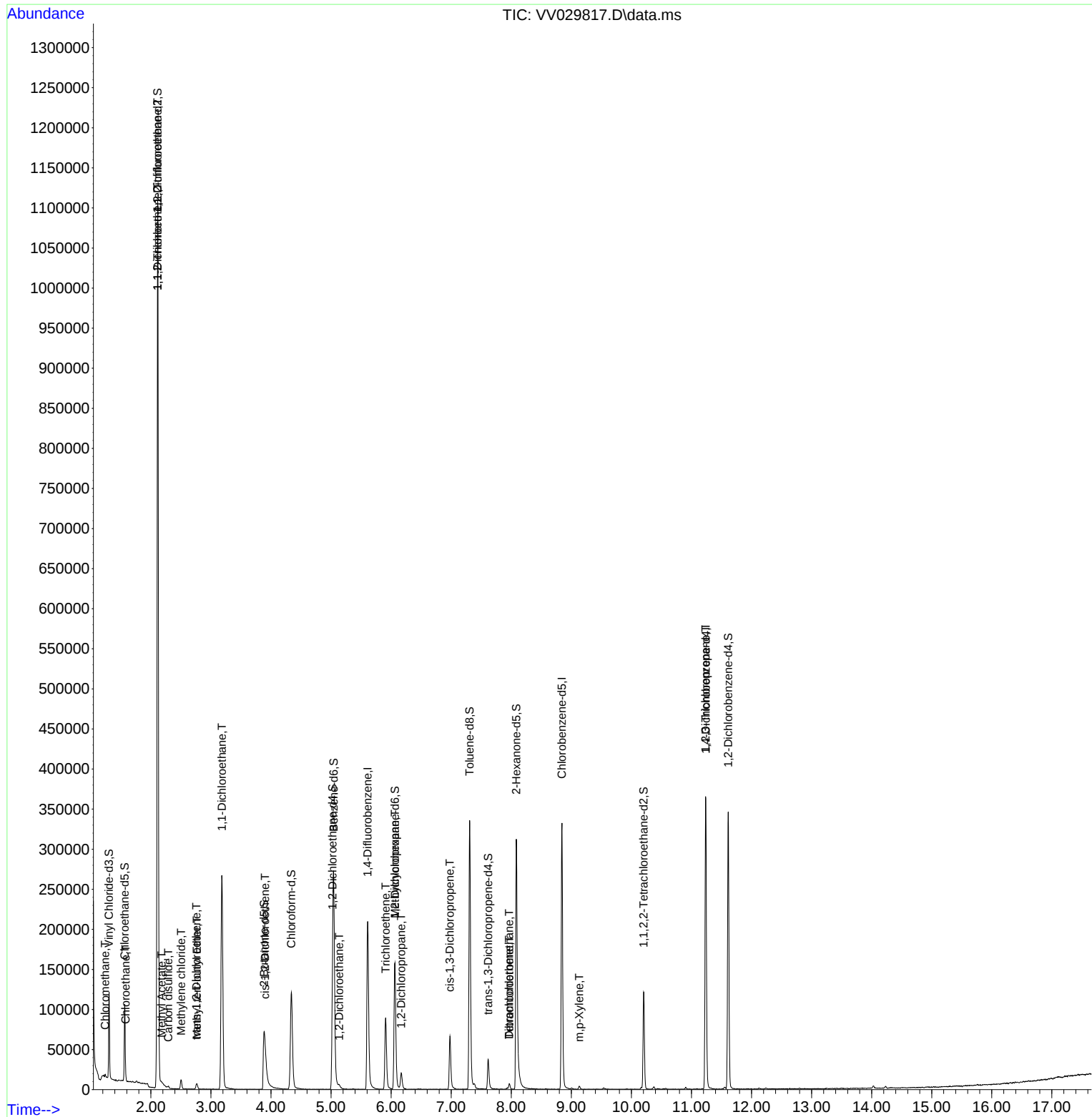
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.236	75	11799	1.533	ug/L	# 66

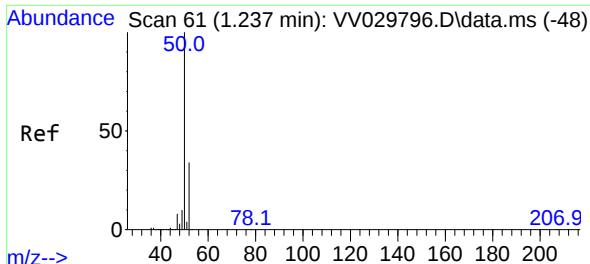
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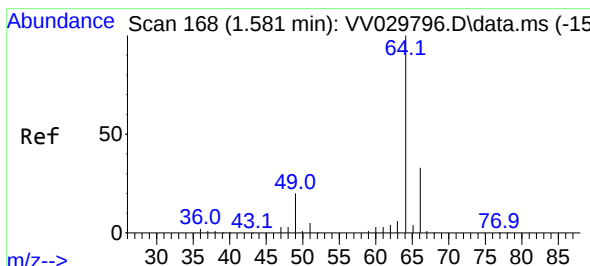
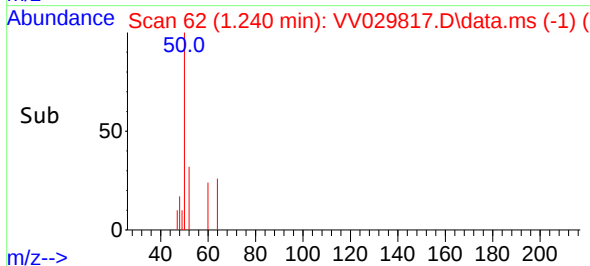
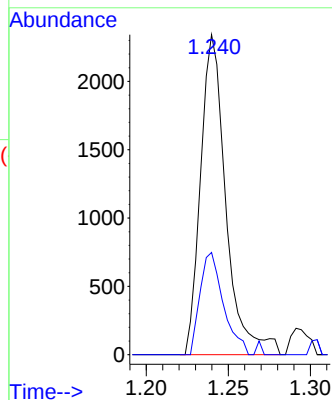
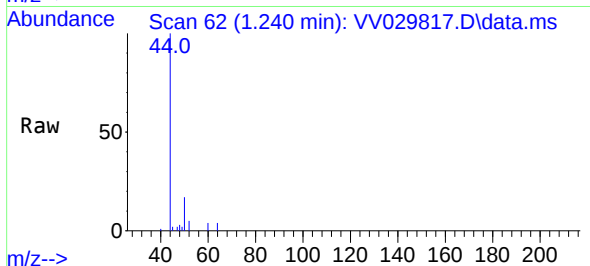




#3
Chloromethane
Concen: 0.126 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

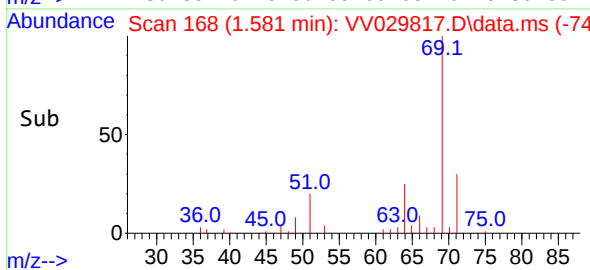
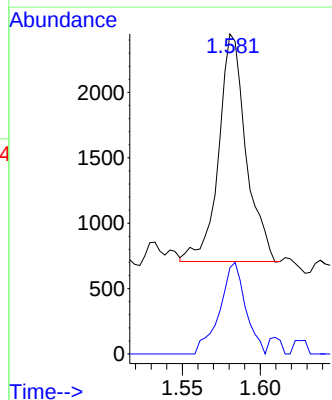
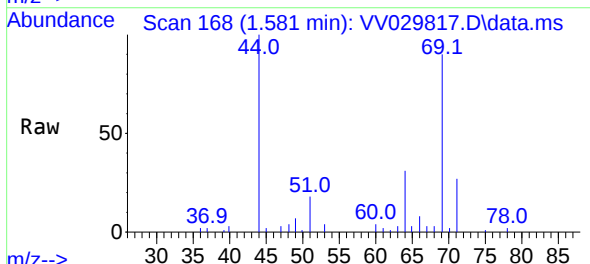
Instrument :
MSVOA_V
ClientSampleId :
BH1X4

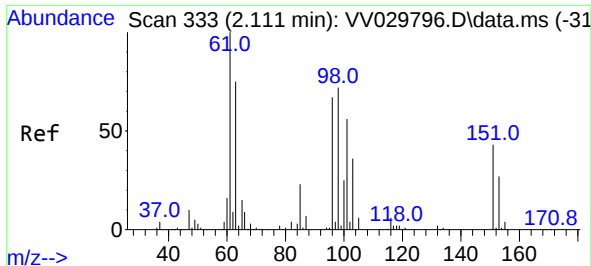
Tgt Ion: 50 Resp: 2511
Ion Ratio Lower Upper
50 100
52 31.9 23.1 42.9



#8
Chloroethane
Concen: 0.180 ug/L
RT: 1.581 min Scan# 168
Delta R.T. 0.003 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

Tgt Ion: 64 Resp: 2123
Ion Ratio Lower Upper
64 100
66 27.0 22.9 42.5

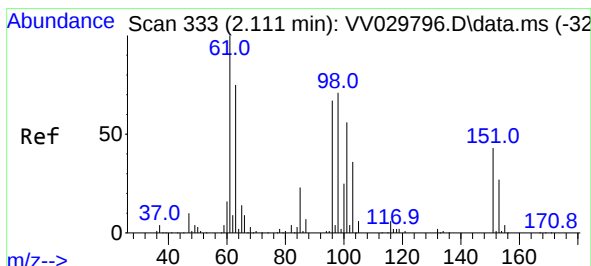
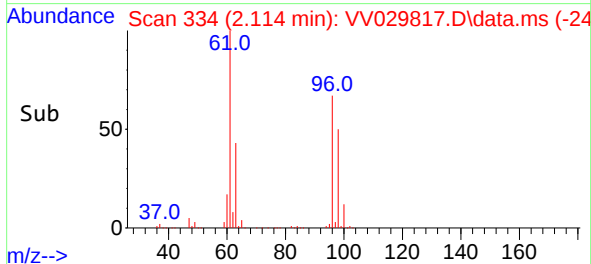
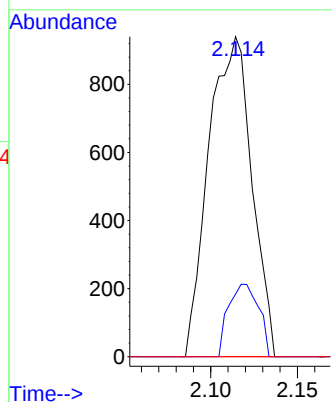
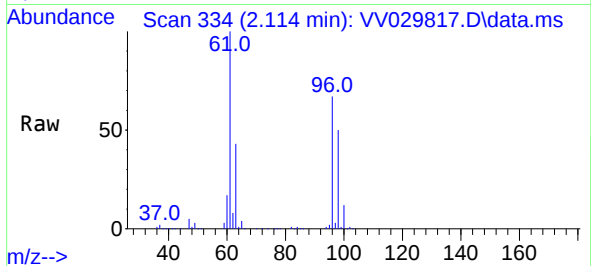




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.108 ug/L
 RT: 2.114 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV029817.D
 Acq: 13 Jan 2023 18:41

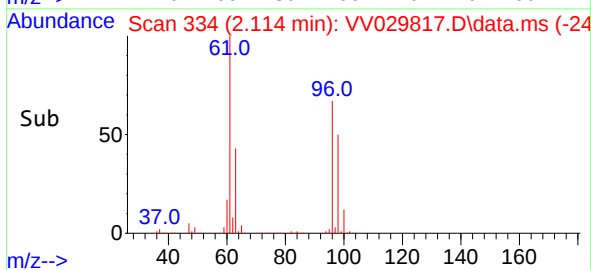
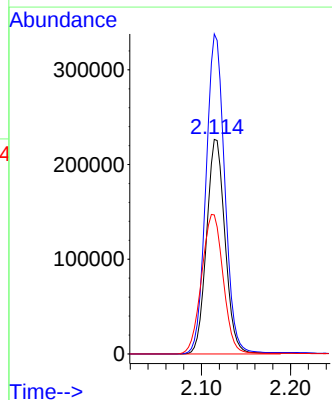
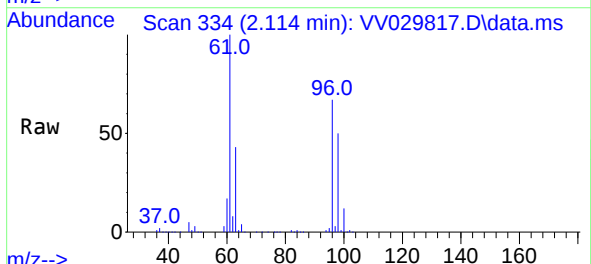
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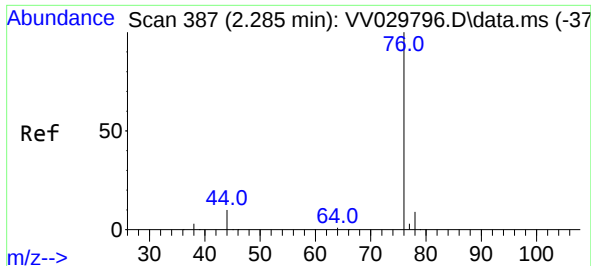
Tgt Ion:101 Resp: 1625
 Ion Ratio Lower Upper
 101 100
 85 15.9 32.9 49.3#
 151 0.0 60.9 91.3#



#12
 1,1-Dichloroethene
 Concen: 18.877 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.003 min
 Lab File: VV029817.D
 Acq: 13 Jan 2023 18:41

Tgt Ion: 96 Resp: 327121
 Ion Ratio Lower Upper
 96 100
 61 149.1 106.1 197.1
 63 64.8 76.4 141.8#

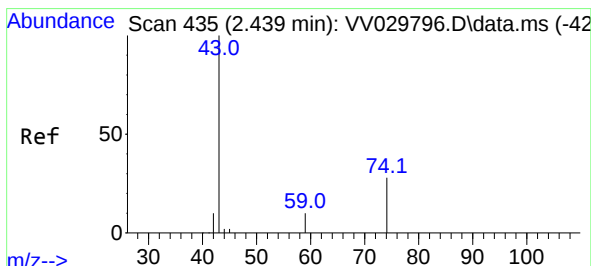
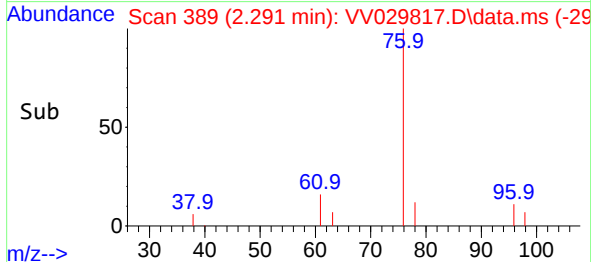
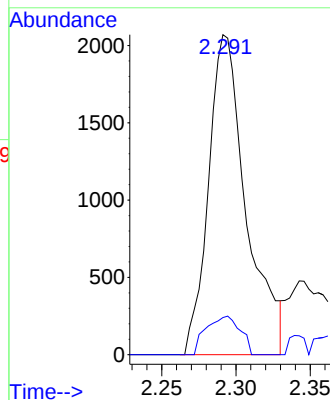
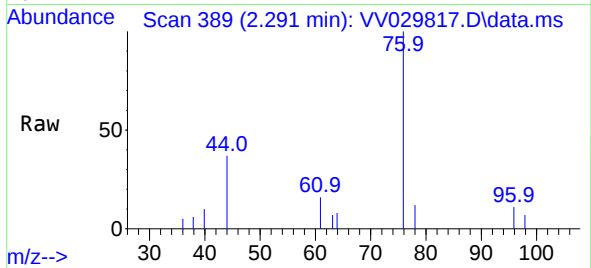




#14
Carbon disulfide
Concen: 0.073 ug/L
RT: 2.291 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

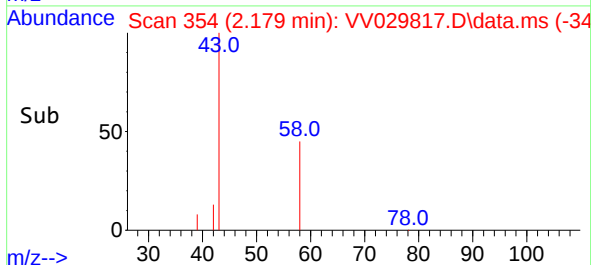
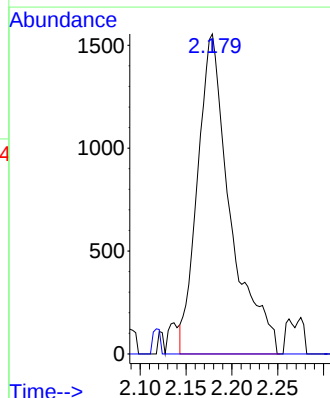
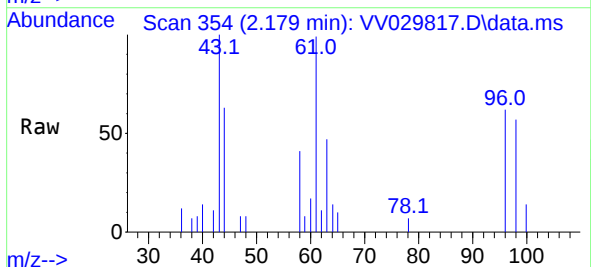
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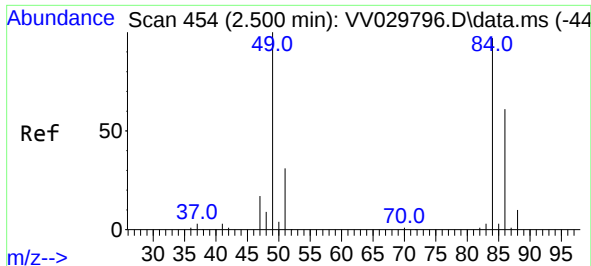
Tgt Ion: 76 Resp: 3654
Ion Ratio Lower Upper
76 100
78 11.6 7.4 11.0#



#15
Methyl Acetate
Concen: 0.761 ug/L
RT: 2.179 min Scan# 354
Delta R.T. -0.257 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

Tgt Ion: 43 Resp: 3860
Ion Ratio Lower Upper
43 100
74 0.0 23.4 35.0#

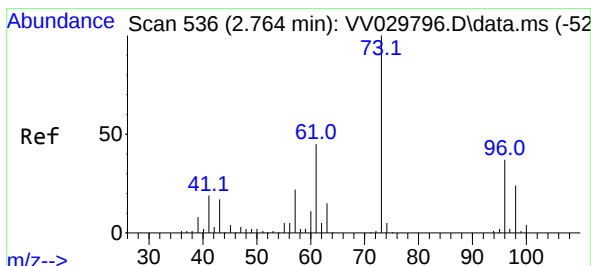
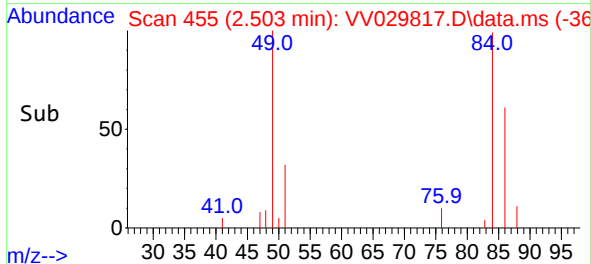
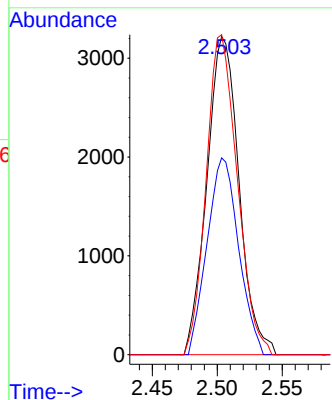
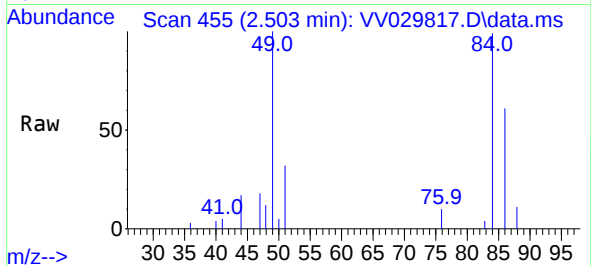




#16
Methylene chloride
Concen: 0.257 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

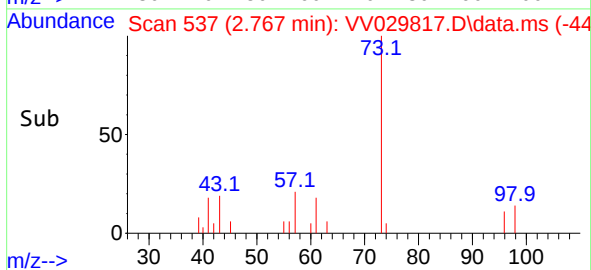
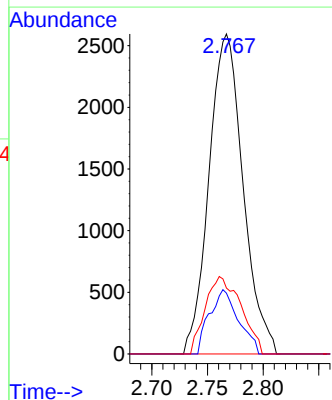
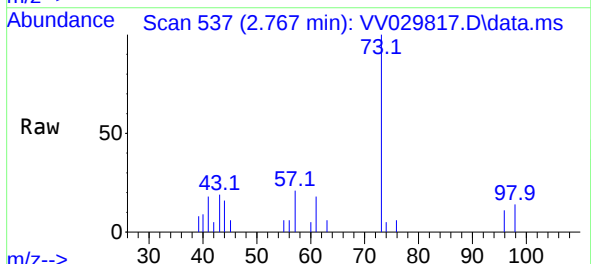
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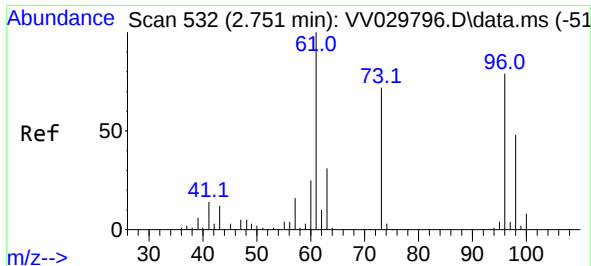
Tgt Ion: 84 Resp: 5543
Ion Ratio Lower Upper
84 100
86 61.9 45.0 83.6
49 100.6 71.5 132.7



#17
Methyl tert-butyl Ether
Concen: 0.184 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

Tgt Ion: 73 Resp: 5516
Ion Ratio Lower Upper
73 100
43 17.1 13.0 19.4
57 25.4 17.1 25.7

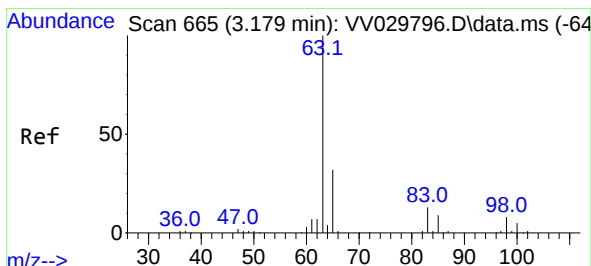
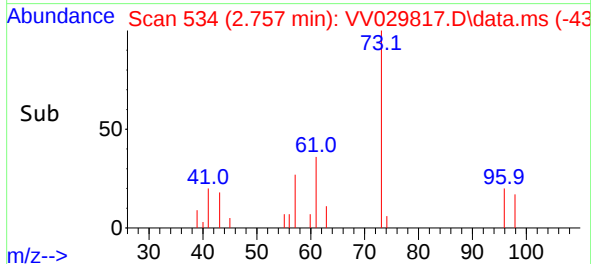
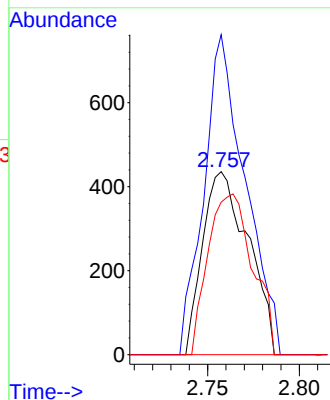
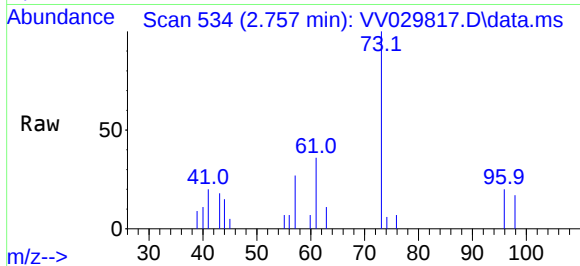




#18
trans-1,2-Dichloroethene
Concen: 0.047 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

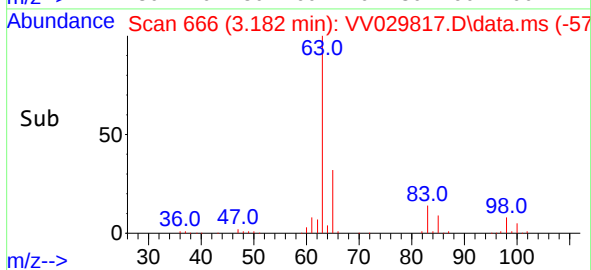
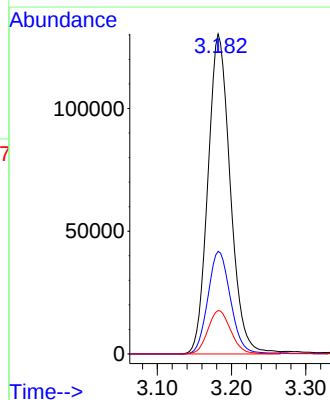
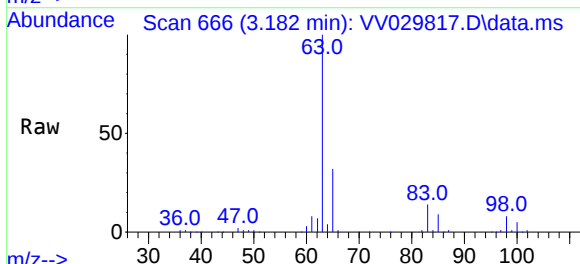
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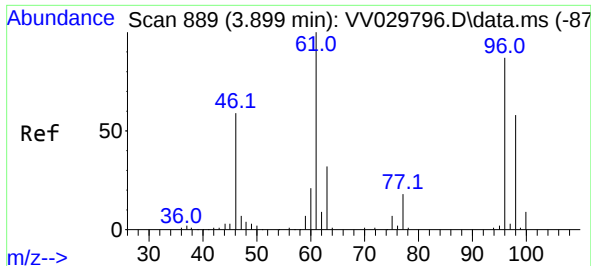
Tgt Ion: 96 Resp: 754
Ion Ratio Lower Upper
96 100
61 174.8 86.1 159.9#
98 83.3 43.9 81.5#



#19
1,1-Dichloroethane
Concen: 10.124 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.003 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

Tgt Ion: 63 Resp: 272827
Ion Ratio Lower Upper
63 100
65 32.0 22.4 41.6
83 13.5 10.2 19.0

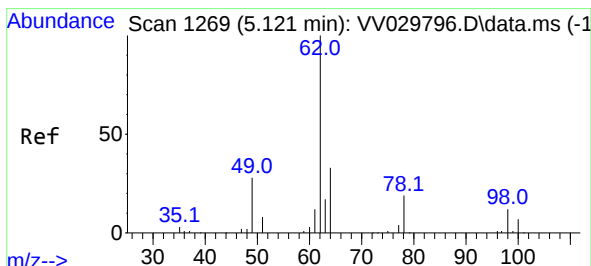
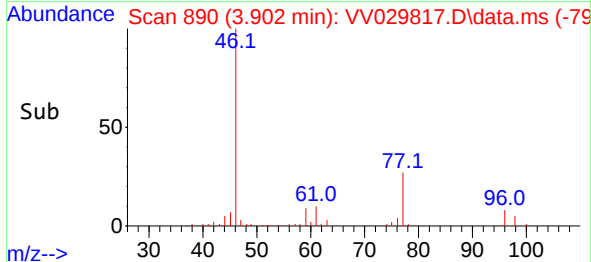
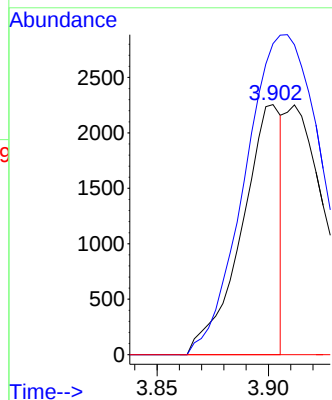
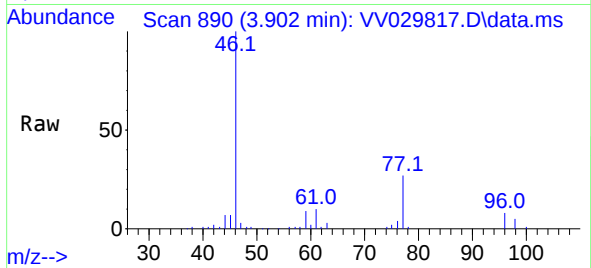




#22
cis-1,2-Dichloroethene
Concen: 0.163 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.003 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

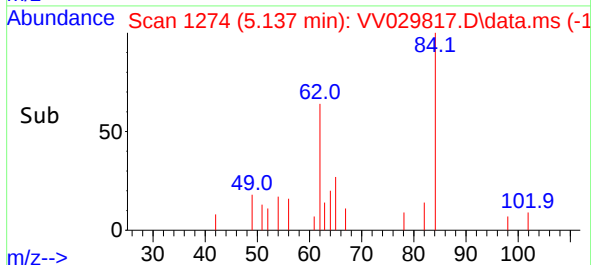
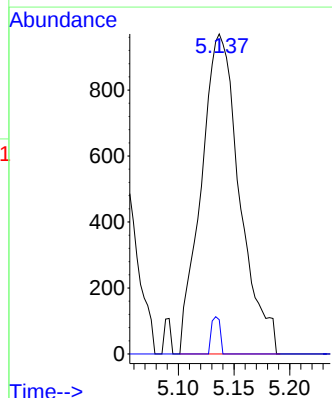
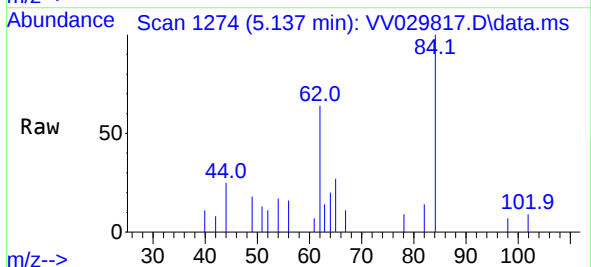
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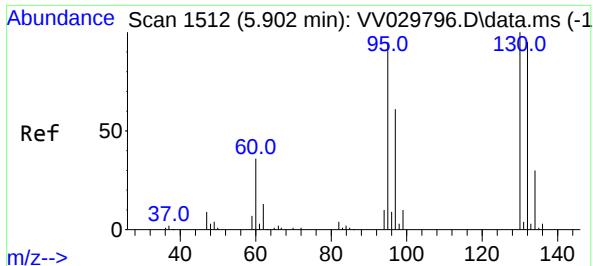
Tgt Ion: 96 Resp: 2795
Ion Ratio Lower Upper
96 100
61 124.3 80.0 148.6
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 0.164 ug/L
RT: 5.137 min Scan# 1274
Delta R.T. 0.016 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

Tgt Ion: 62 Resp: 2332
Ion Ratio Lower Upper
62 100
98 10.7 8.9 13.3

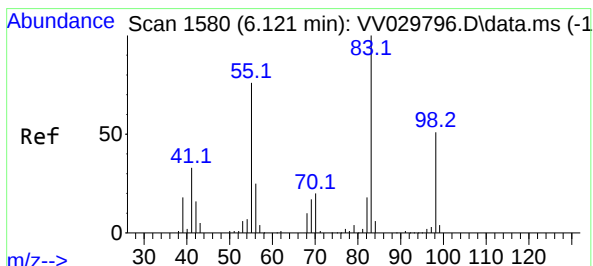
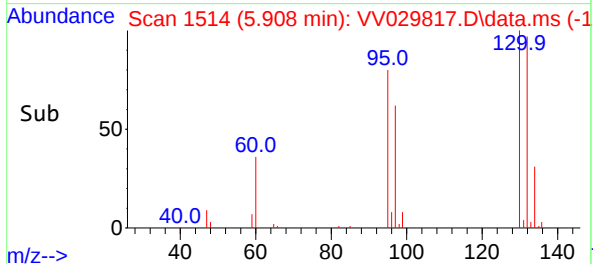
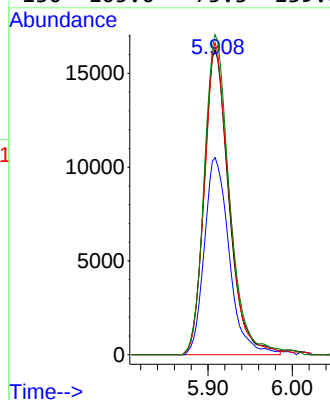
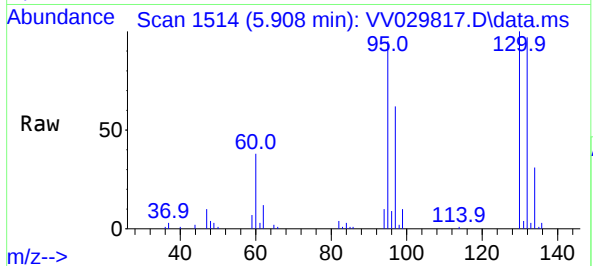




#34
Trichloroethene
Concen: 1.999 ug/L
RT: 5.908 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

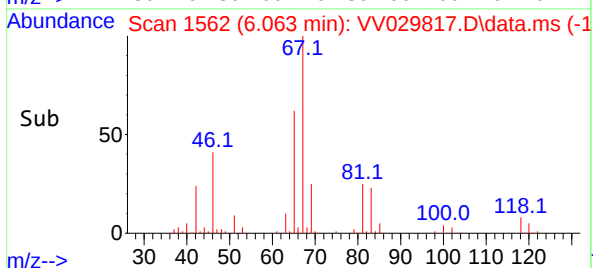
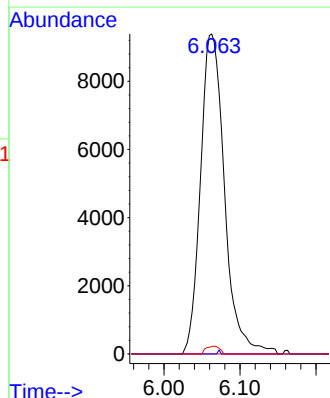
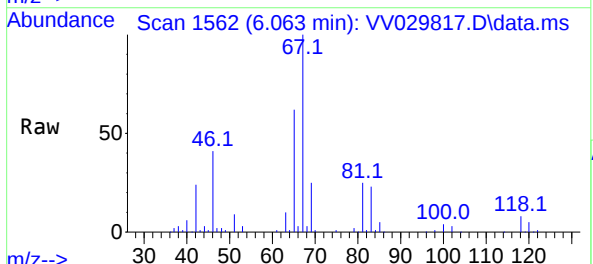
Instrument :
MSVOA_V
ClientSampleId :
BH1X4

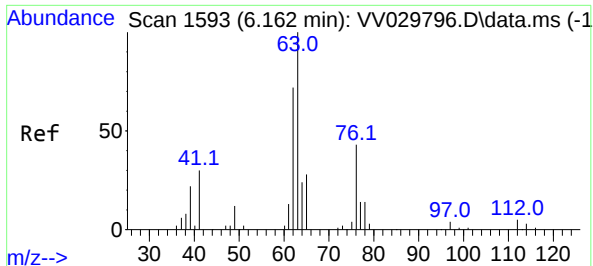
Tgt Ion: 95 Resp: 33435
Ion Ratio Lower Upper
95 100
97 64.7 44.9 83.3
132 102.3 71.8 133.4
130 105.0 75.3 139.8



#35
Methylcyclohexane
Concen: 0.729 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.058 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

Tgt Ion: 83 Resp: 20579
Ion Ratio Lower Upper
83 100
55 0.1 57.3 85.9#
98 1.4 39.0 58.6#

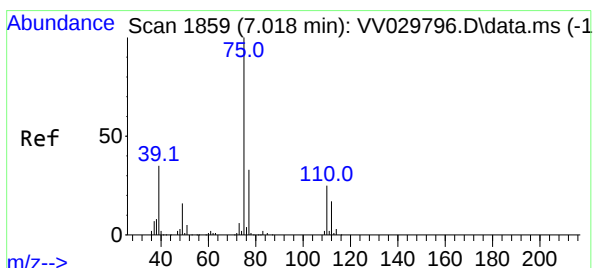
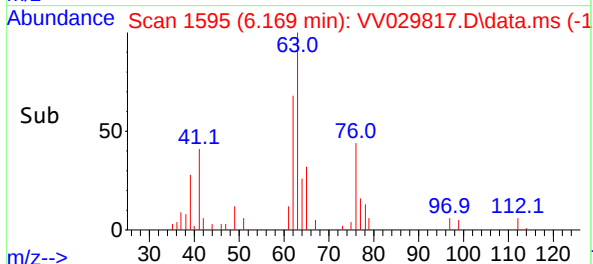
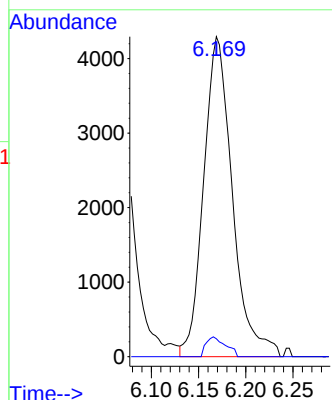
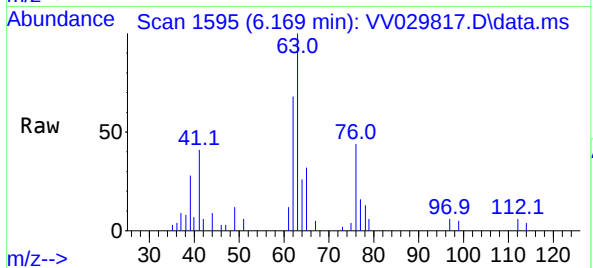




#37
1,2-Dichloropropane
Concen: 0.587 ug/L
RT: 6.169 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

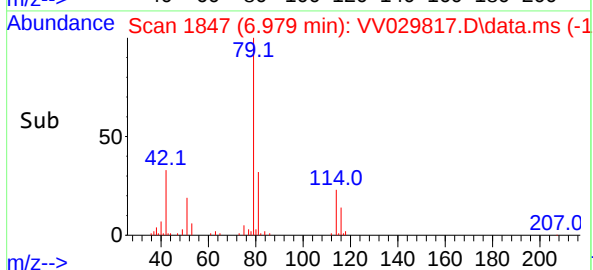
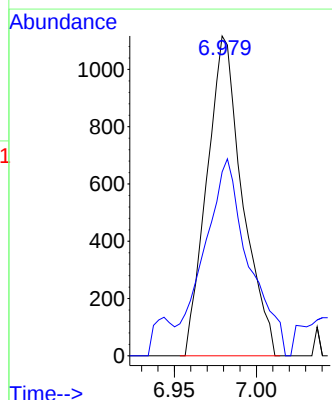
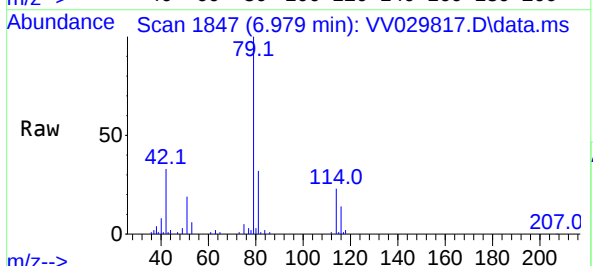
Instrument :
MSVOA_V
ClientSampleId :
BH1X4

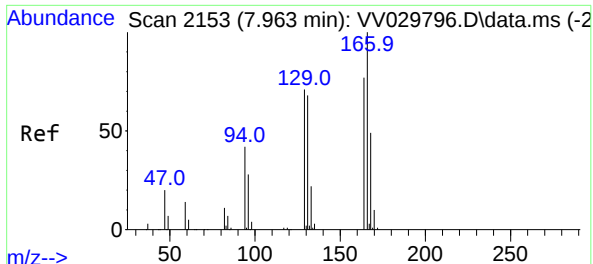
Tgt Ion: 63 Resp: 9076
Ion Ratio Lower Upper
63 100
112 4.2 3.9 5.9



#39
cis-1,3-Dichloropropene
Concen: 0.081 ug/L
RT: 6.979 min Scan# 1847
Delta R.T. -0.039 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

Tgt Ion: 75 Resp: 1675
Ion Ratio Lower Upper
75 100
77 57.5 22.4 41.6#



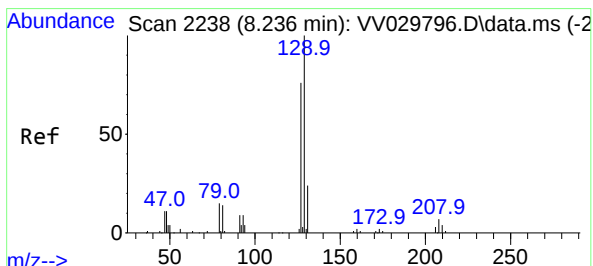
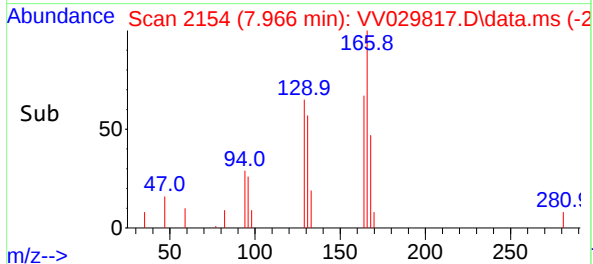
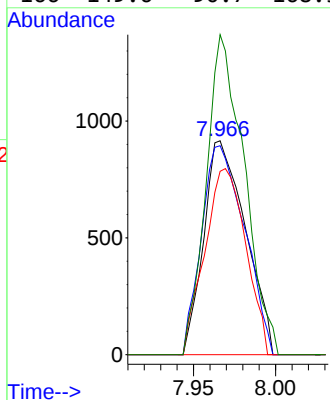
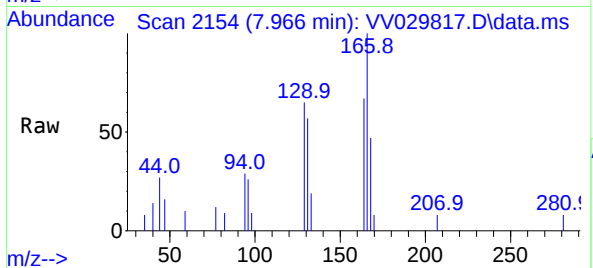


#47
Tetrachloroethene
Concen: 0.115 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

Instrument :
MSVOA_V
ClientSampleId :
BH1X4

Tgt Ion:164 Resp: 1619

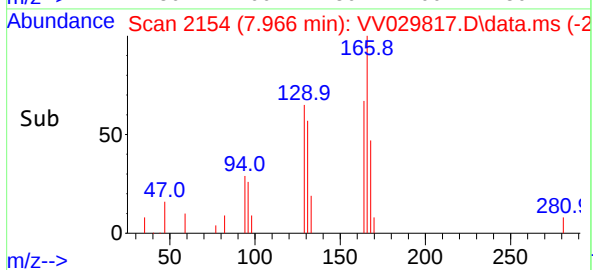
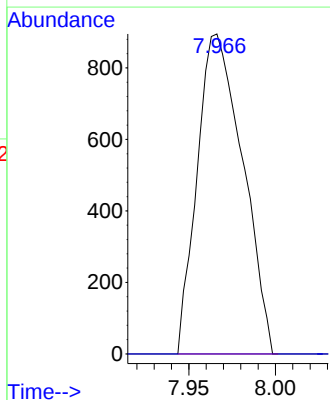
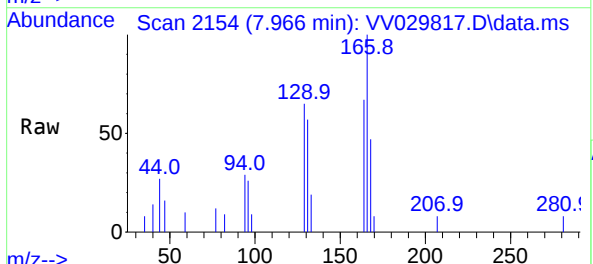
Ion	Ratio	Lower	Upper
164	100		
129	97.7	64.5	119.7
131	85.7	62.9	116.7
166	149.6	90.7	168.5

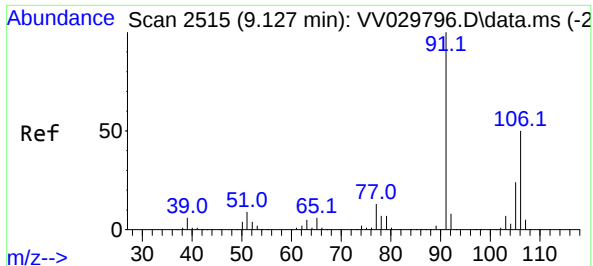


#49
Dibromochloromethane
Concen: 0.125 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.270 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

Tgt Ion:129 Resp: 1631

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.1	100.5#

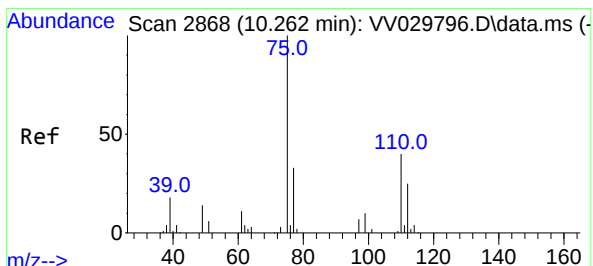
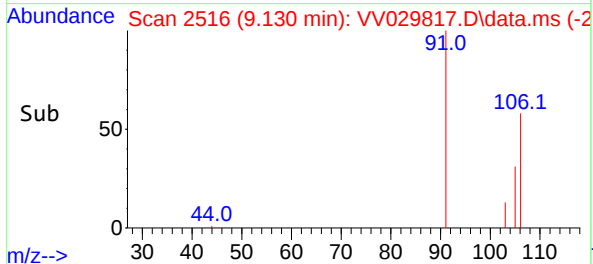
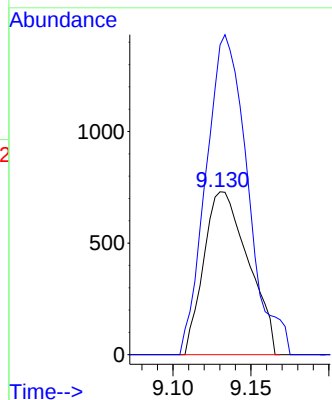
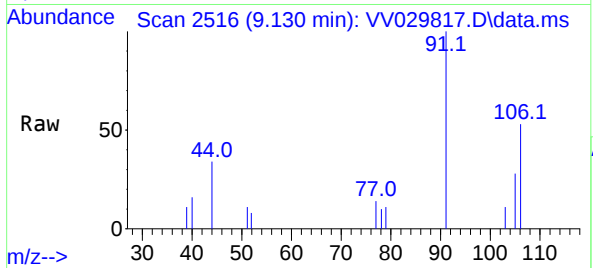




#53
m,p-Xylene
Concen: 0.049 ug/L
RT: 9.130 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

Instrument :
MSVOA_V
ClientSampleId :
BH1X4

Tgt Ion:106 Resp: 1455
Ion Ratio Lower Upper
106 100
91 190.1 138.7 257.7



#61
1,2,3-Trichloropropane
Concen: 1.533 ug/L
RT: 11.236 min Scan# 3171
Delta R.T. 0.974 min
Lab File: VV029817.D
Acq: 13 Jan 2023 18:41

Tgt Ion: 75 Resp: 11799
Ion Ratio Lower Upper
75 100
77 31.4 26.5 39.7
110 2.5 31.8 47.8#

