

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029811.D
 Acq On : 13 Jan 2023 16:19
 Operator : SY/MD
 Sample : 01138-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1W7

Quant Time: Jan 13 22:52:13 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	206226	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	203146	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	108013	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	71312	4.559	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.200%
7) Chloroethane-d5	1.564	69	65454	5.048	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.000%
11) 1,1-Dichloroethene-d2	2.104	63	100097	3.510	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.200%
20) 2-Butanone-d5	3.883	46	119961	43.269	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.540%
24) Chloroform-d	4.339	84	143254	4.993	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.024	65	62096	5.110	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	5.043	84	295988	4.912	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	6.063	67	91871	5.209	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.307	98	258843	4.640	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	7.616	79	26081	4.049	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.085	63	115576	44.076	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.160%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	63997	4.952	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	11.612	152	101483	5.168	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1437	0.071	ug/L	88
5) Vinyl chloride	1.307	62	4426	0.223	ug/L #	51
6) Bromomethane	1.519	94	400	0.041	ug/L #	65
12) 1,1-Dichloroethene	2.117	96	9365	0.532	ug/L #	1
14) Carbon disulfide	2.294	76	3840	0.076	ug/L #	79
15) Methyl Acetate	2.178	43	2995	0.581	ug/L #	45
17) Methyl tert-butyl Ether	2.767	73	7912	0.260	ug/L	96
19) 1,1-Dichloroethane	3.185	63	18321	0.669	ug/L	97
22) cis-1,2-Dichloroethene	3.911	96	8520	0.488	ug/L	100
29) 1,1,1-Trichloroethane	4.600	97	4115	0.156	ug/L	97
34) Trichloroethene	5.908	95	33815	1.987	ug/L	96
35) Methylcyclohexane	6.063	83	21449	0.746	ug/L #	20
37) 1,2-Dichloropropane	6.066	63	9385	0.597	ug/L #	85
39) cis-1,3-Dichloropropene	6.979	75	1605	0.076	ug/L #	46
47) Tetrachloroethene	7.972	164	2397	0.167	ug/L	81
49) Dibromochloromethane	7.969	129	1904	0.143	ug/L #	11
53) m,p-Xylene	9.130	106	2174	0.072	ug/L	95
61) 1,2,3-Trichloropropane	11.236	75	11983	1.498	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.905	105	1961	0.033	ug/L	96

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

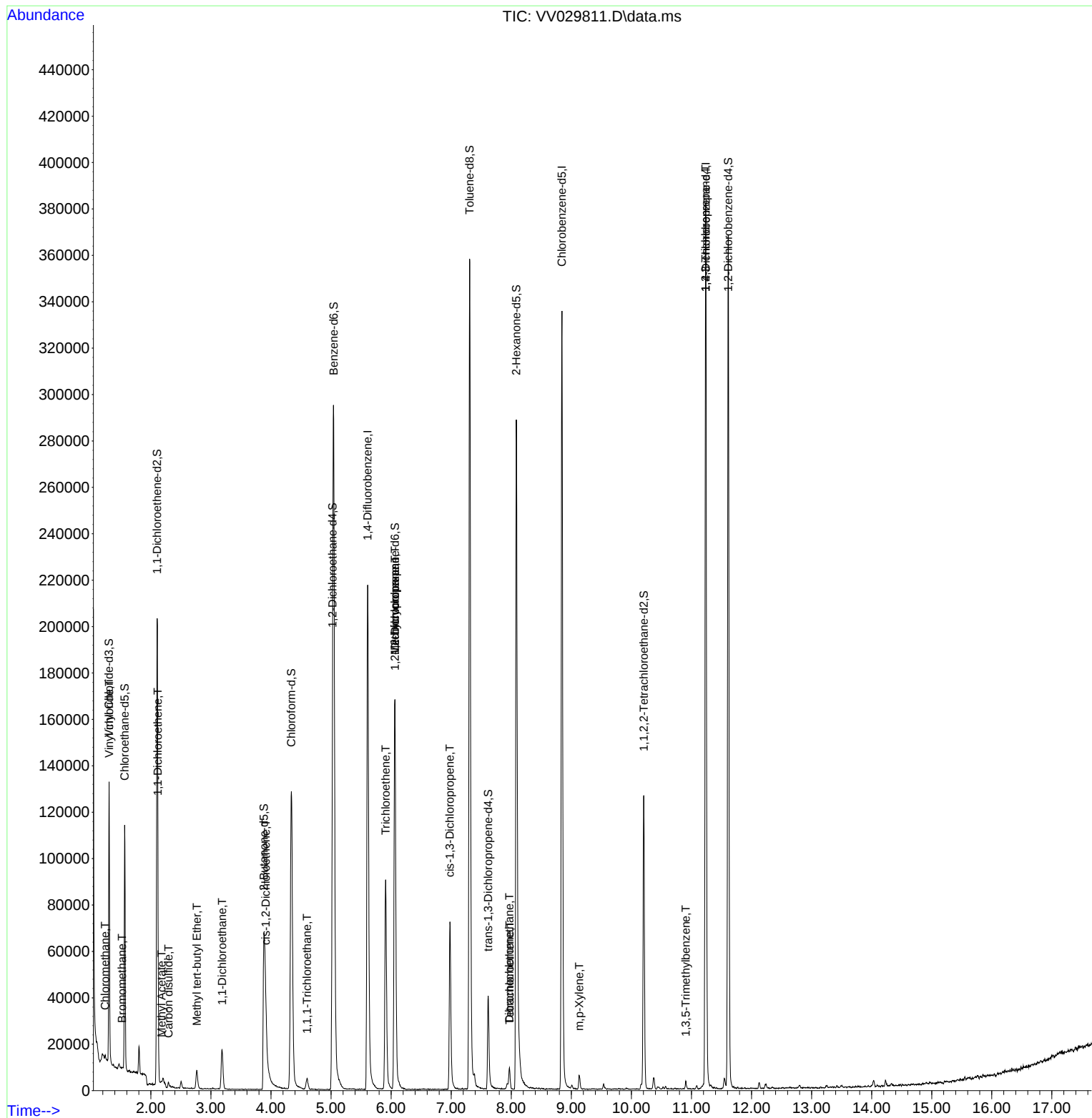
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

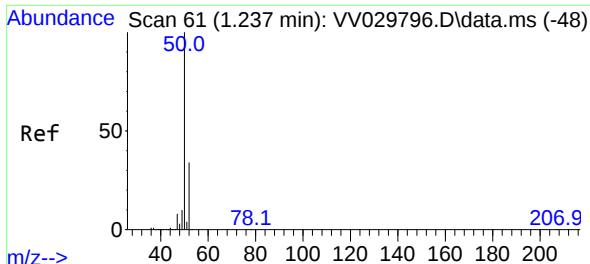
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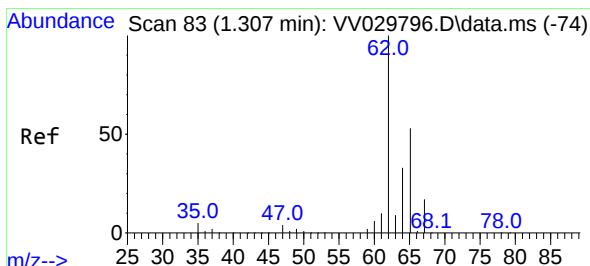
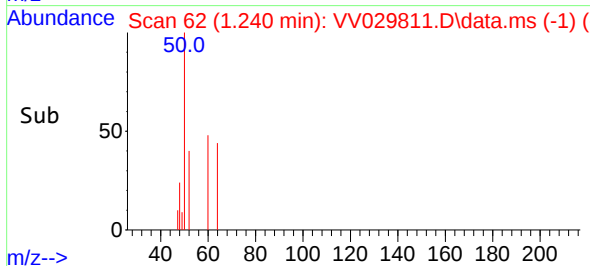
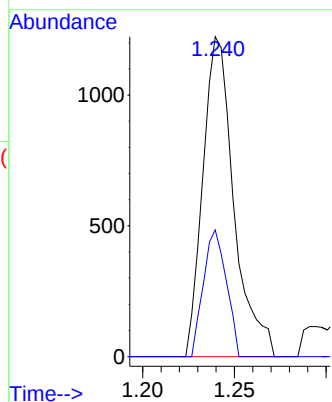
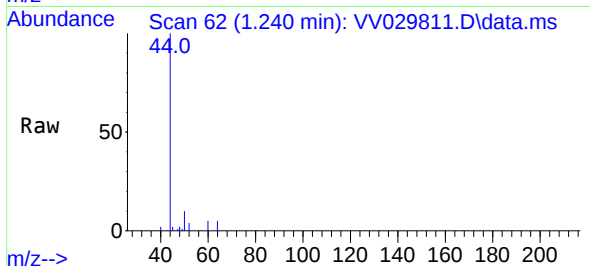




#3
Chloromethane
Concen: 0.071 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

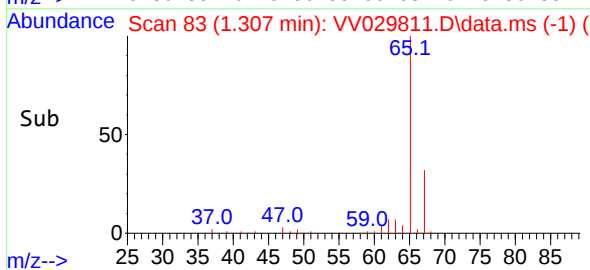
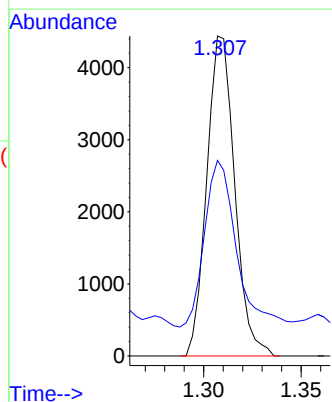
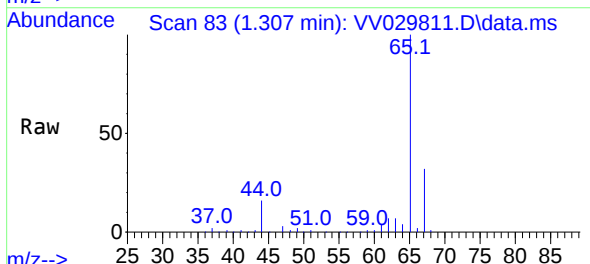
Instrument :
MSVOA_V
ClientSampleId :
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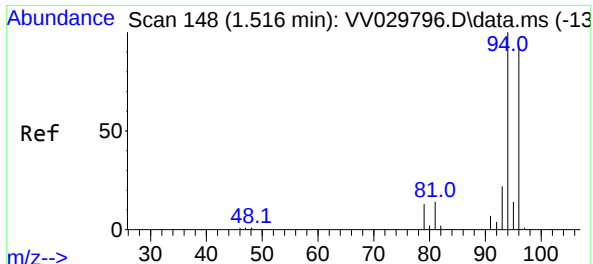
Tgt Ion: 50 Resp: 1437
Ion Ratio Lower Upper
50 100
52 39.6 23.1 42.9



#5
Vinyl chloride
Concen: 0.223 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

Tgt Ion: 62 Resp: 4426
Ion Ratio Lower Upper
62 100
64 61.1 23.2 43.2#

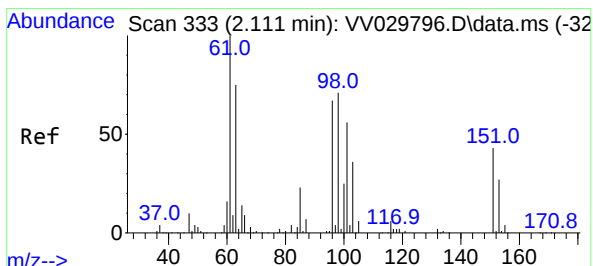
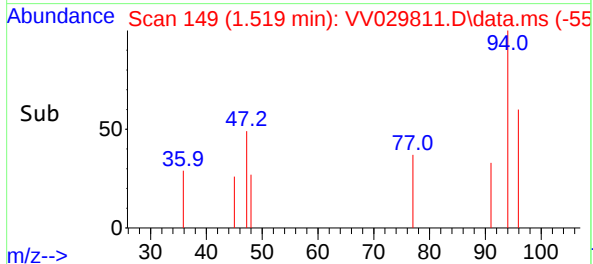
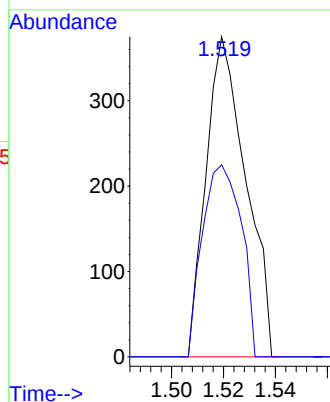
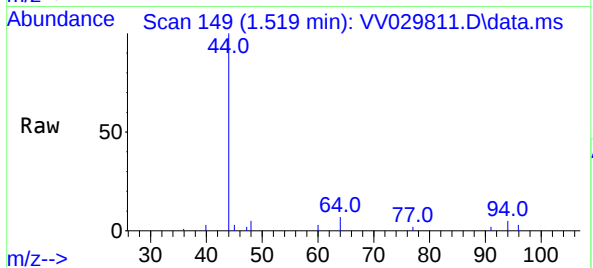




#6
Bromomethane
Concen: 0.041 ug/L
RT: 1.519 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

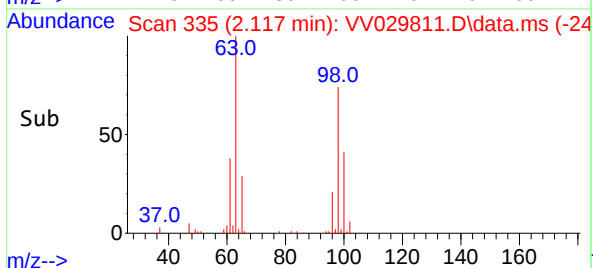
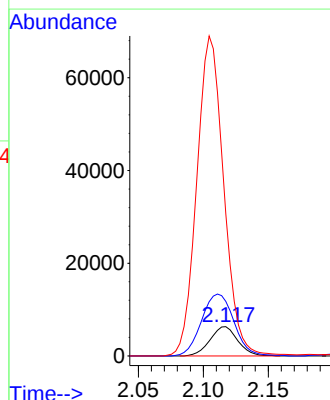
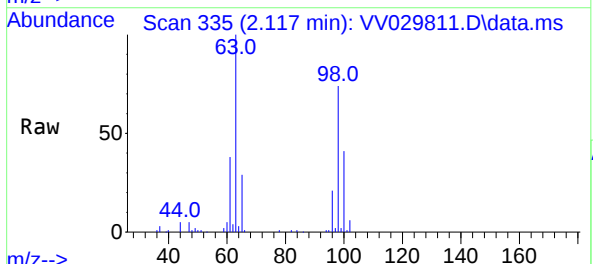
Instrument :
MSVOA_V
ClientSampleId :
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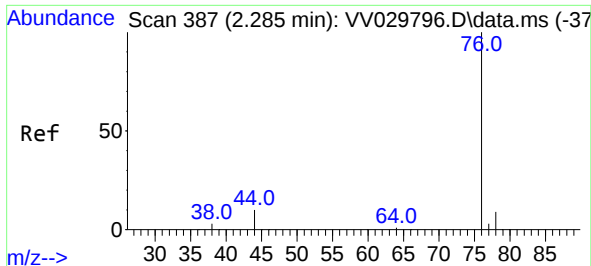
Tgt Ion: 94 Resp: 400
Ion Ratio Lower Upper
94 100
96 60.0 65.9 122.5#



#12
1,1-Dichloroethene
Concen: 0.532 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.006 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

Tgt Ion: 96 Resp: 9365
Ion Ratio Lower Upper
96 100
61 185.8 106.1 197.1
63 485.2 76.4 141.8#

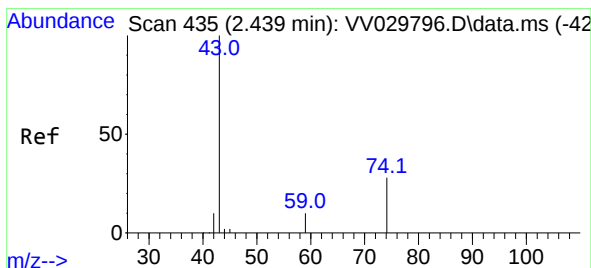
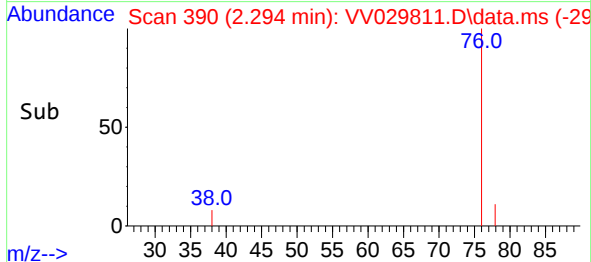
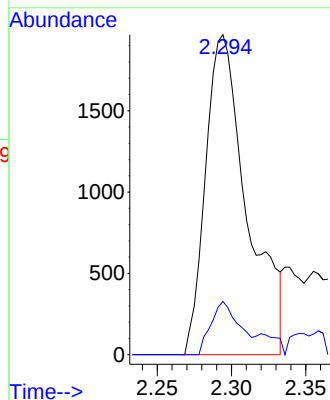
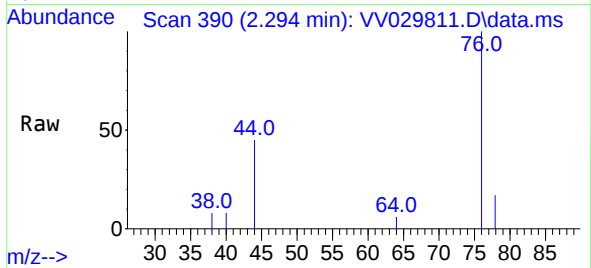




#14
Carbon disulfide
Concen: 0.076 ug/L
RT: 2.294 min Scan# 31
Delta R.T. 0.009 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

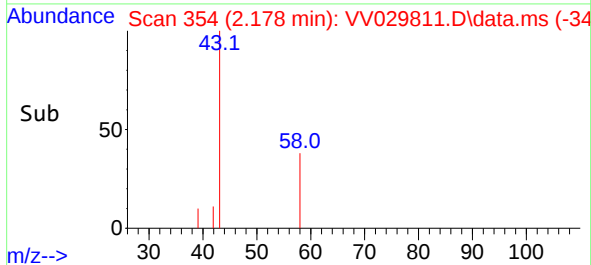
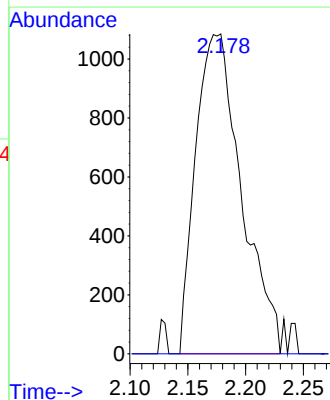
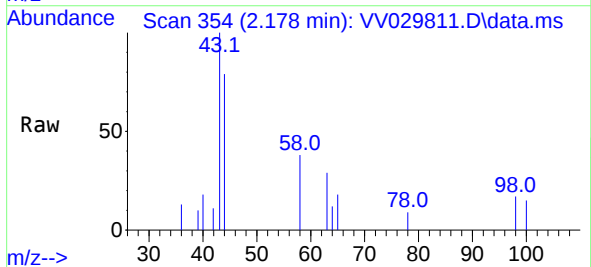
Instrument :
MSVOA_V
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BH1W7

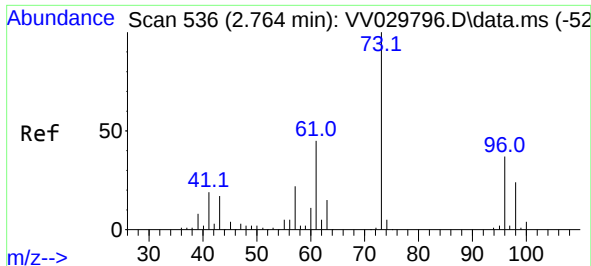
Tgt Ion: 76 Resp: 3840
Ion Ratio Lower Upper
76 100
78 16.7 7.4 11.0#



#15
Methyl Acetate
Concen: 0.581 ug/L
RT: 2.178 min Scan# 354
Delta R.T. -0.257 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

Tgt Ion: 43 Resp: 2995
Ion Ratio Lower Upper
43 100
74 0.0 23.4 35.0#

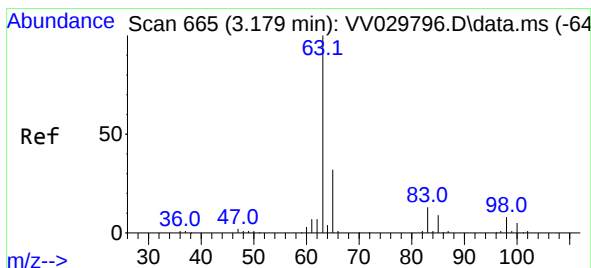
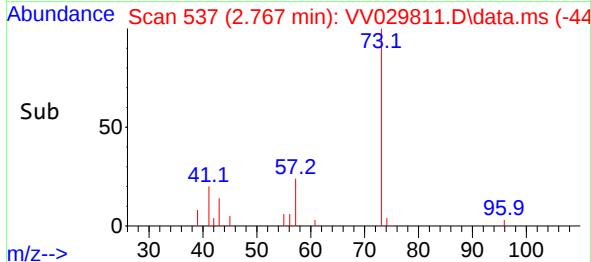
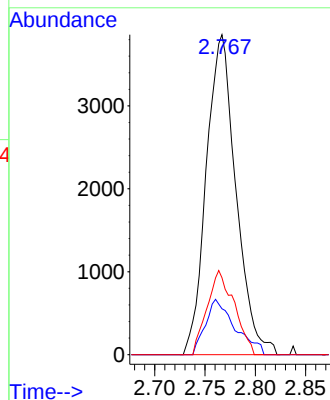
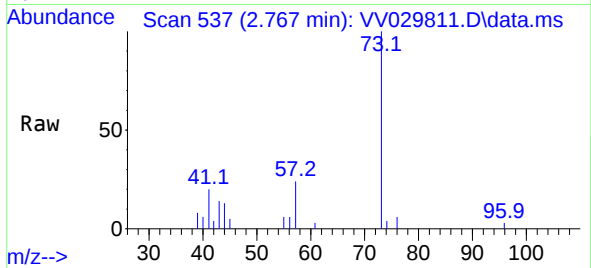




#17
Methyl tert-butyl Ether
Concen: 0.260 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

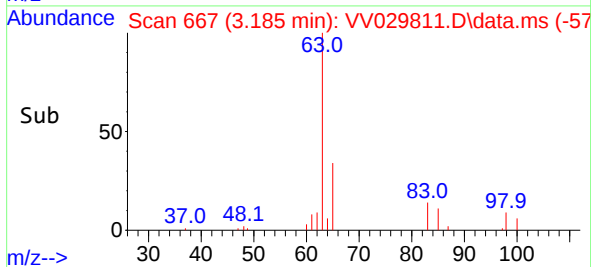
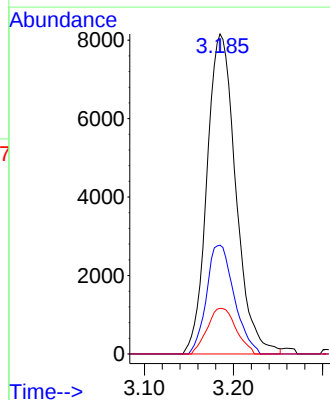
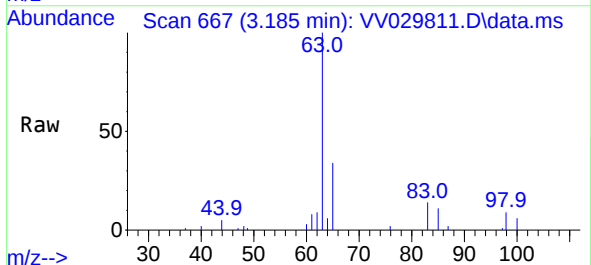
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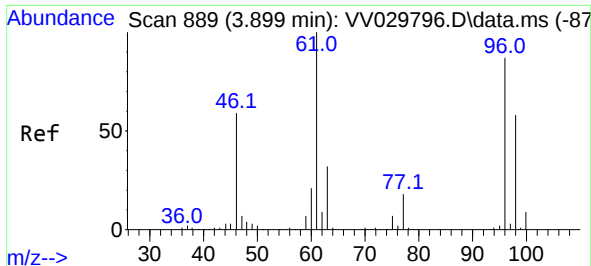
Tgt Ion: 73	Resp:	7912
Ion	Ratio	Lower Upper
73	100	
43	17.3	13.0 19.4
57	24.1	17.1 25.7



#19
1,1-Dichloroethane
Concen: 0.669 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.006 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

Tgt Ion: 63	Resp:	18321
Ion	Ratio	Lower Upper
63	100	
65	34.0	22.4 41.6
83	14.2	10.2 19.0

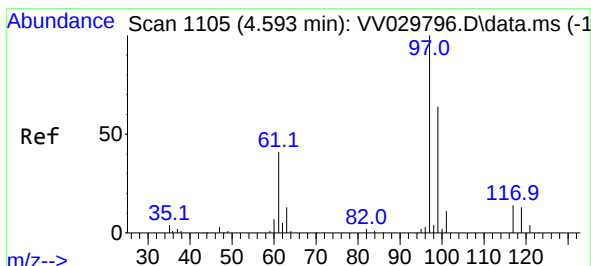
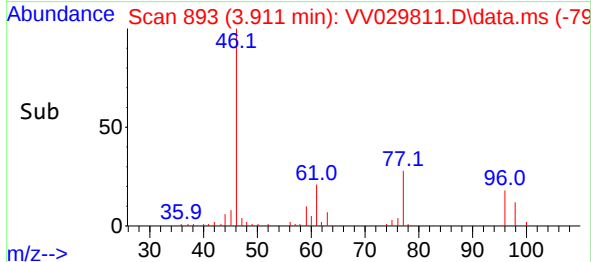
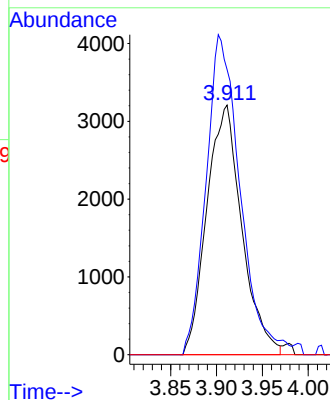
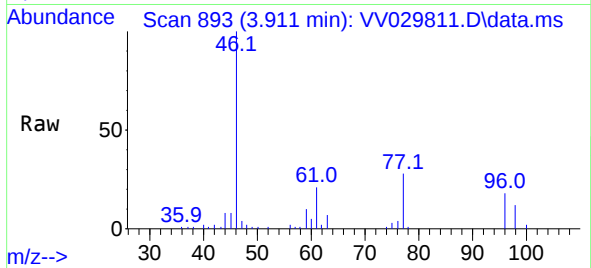




#22
cis-1,2-Dichloroethene
Concen: 0.488 ug/L
RT: 3.911 min Scan# 891
Delta R.T. 0.013 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

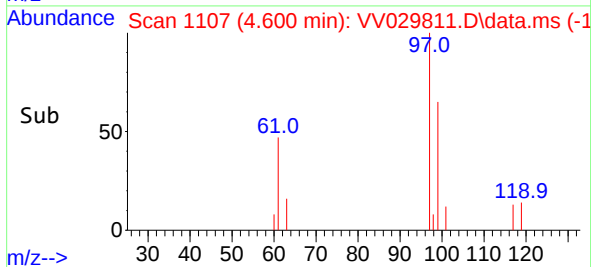
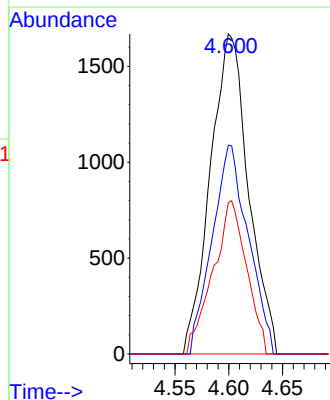
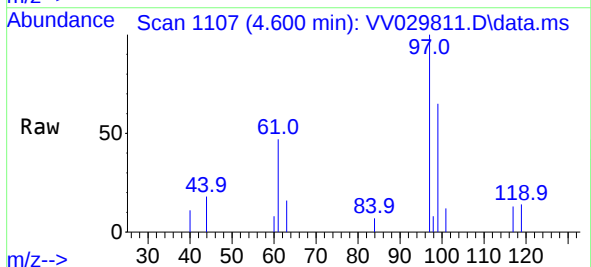
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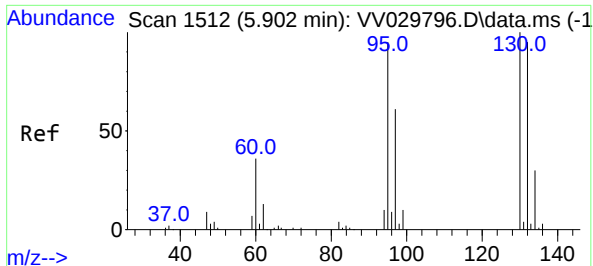
Tgt Ion: 96 Resp: 8520
Ion Ratio Lower Upper
96 100
61 114.2 80.0 148.6
68 0.0 0.0 0.0



#29
1,1,1-Trichloroethane
Concen: 0.156 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

Tgt Ion: 97 Resp: 4115
Ion Ratio Lower Upper
97 100
99 61.9 51.3 76.9
61 42.2 31.6 47.4

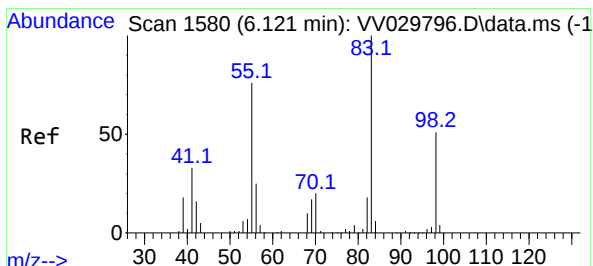
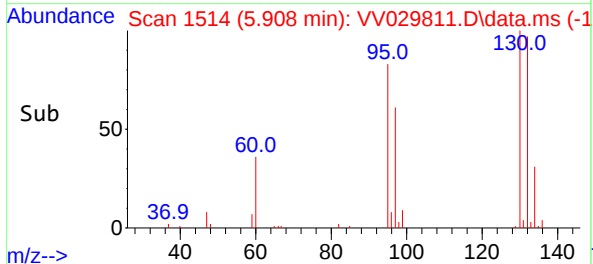
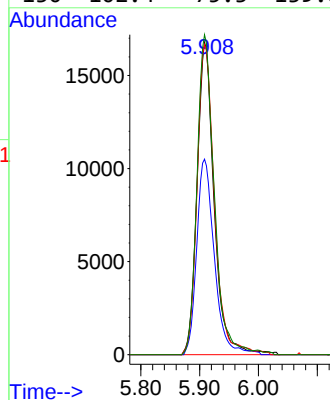
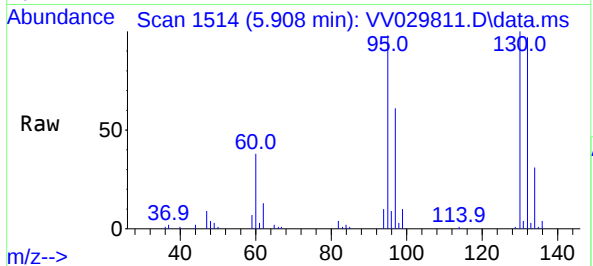




#34
Trichloroethene
Concen: 1.987 ug/L
RT: 5.908 min Scan# 1512
Delta R.T. 0.003 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

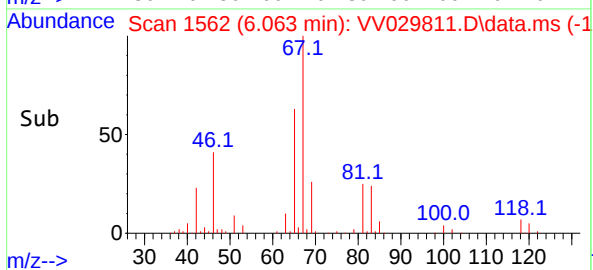
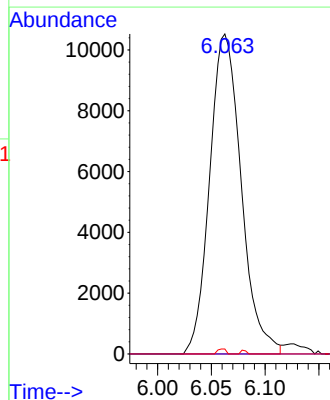
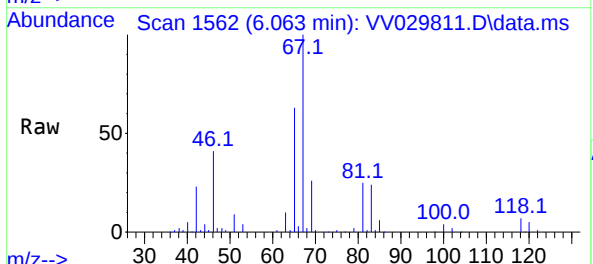
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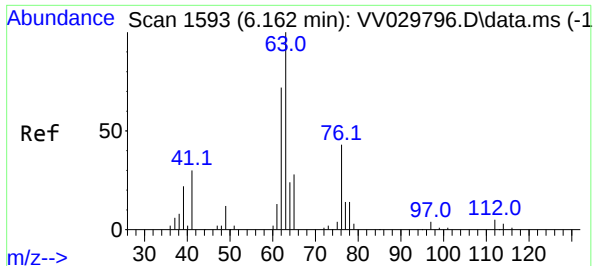
Tgt Ion: 95 Resp: 33815
Ion Ratio Lower Upper
95 100
97 62.6 44.9 83.3
132 99.2 71.8 133.4
130 102.4 75.3 139.8



#35
Methylcyclohexane
Concen: 0.746 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.058 min
Lab File: VV029811.D
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Tgt Ion: 83 Resp: 21449
Ion Ratio Lower Upper
83 100
55 0.0 57.3 85.9#
98 0.4 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.597 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.097 min

Lab File: VV029811.D

Acq: 13 Jan 2023 16:19

Instrument :

MSVOA_V

ClientSampleId :

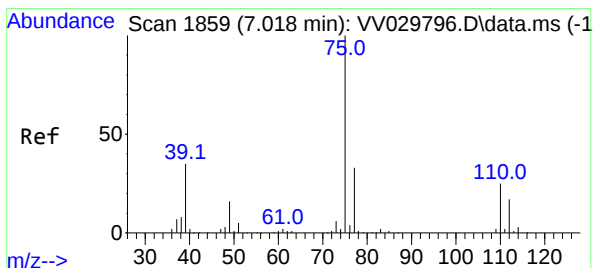
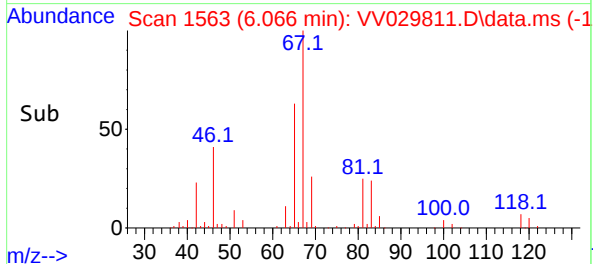
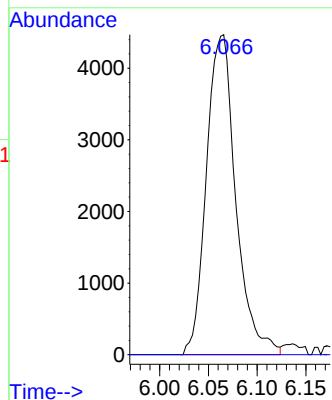
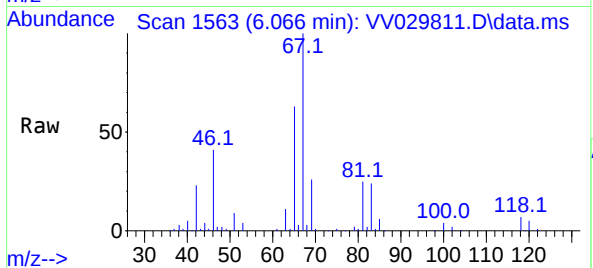
BH1W7

Tgt Ion: 63 Resp: 9385

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#39

cis-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 6.979 min Scan# 1847

Delta R.T. -0.039 min

Lab File: VV029811.D

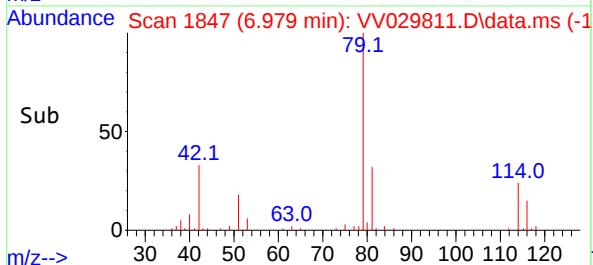
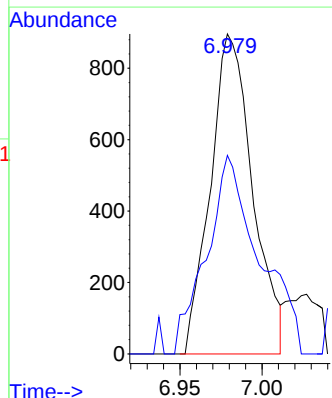
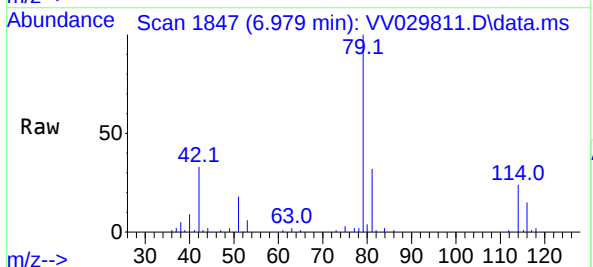
Acq: 13 Jan 2023 16:19

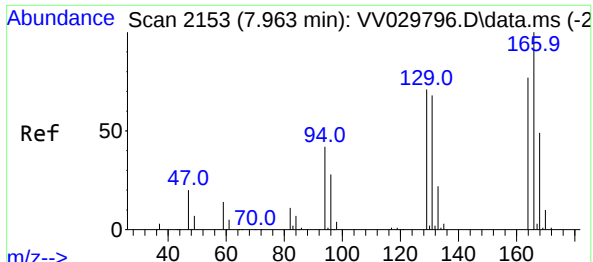
Tgt Ion: 75 Resp: 1605

Ion Ratio Lower Upper

75 100

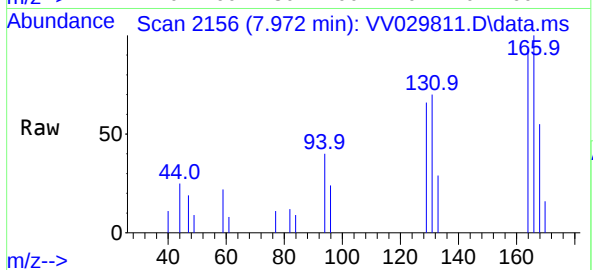
77 62.1 22.4 41.6#





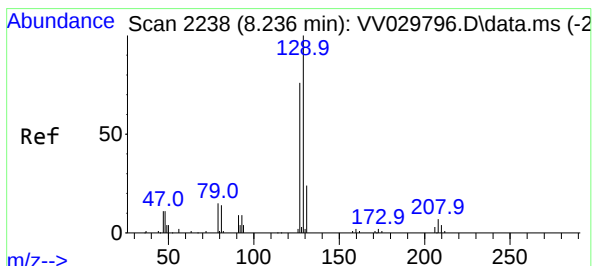
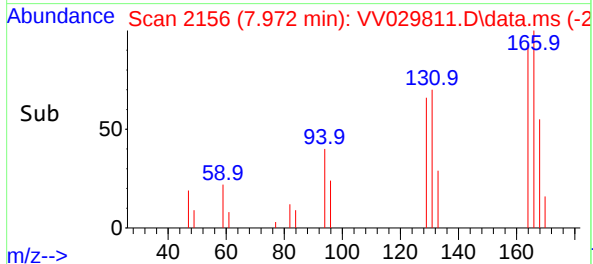
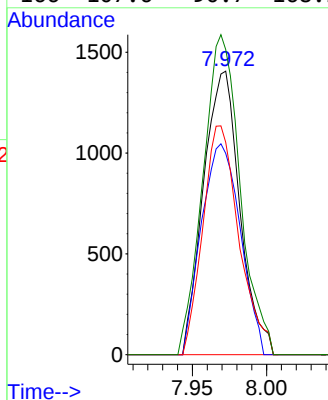
#47
Tetrachloroethene
Concen: 0.167 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.006 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

Instrument :
MSVOA_V
ClientSampleId :
BH1W7



Tgt Ion:164 Resp: 2397

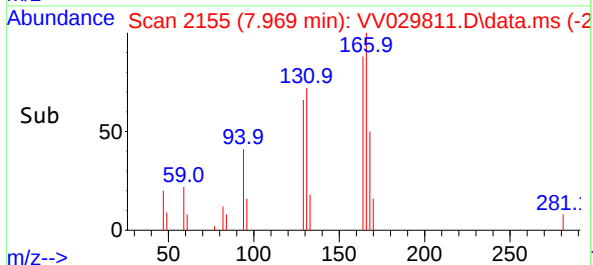
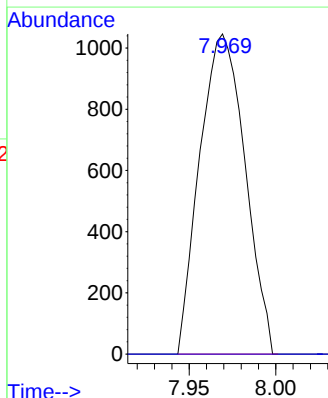
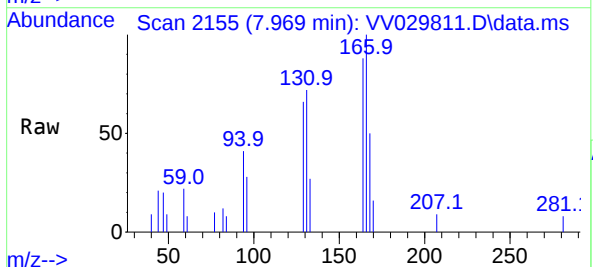
Ion	Ratio	Lower	Upper
164	100		
129	71.0	64.5	119.7
131	74.9	62.9	116.7
166	107.6	90.7	168.5

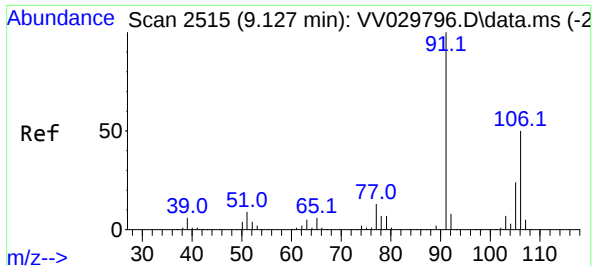


#49
Dibromochloromethane
Concen: 0.143 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.267 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

Tgt Ion:129 Resp: 1904

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.1	100.5#





#53

m,p-Xylene

Concen: 0.072 ug/L

RT: 9.130 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029811.D

Acq: 13 Jan 2023 16:19

Instrument :

MSVOA_V

ClientSampleId :

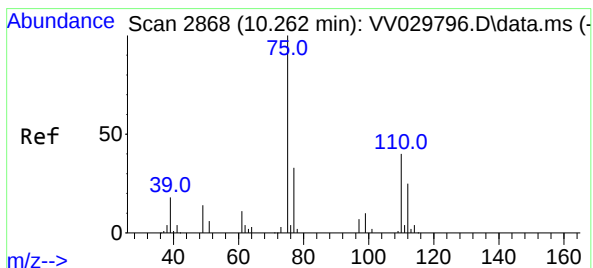
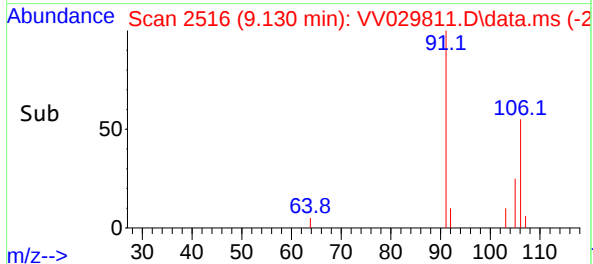
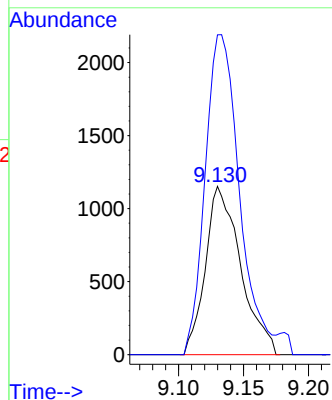
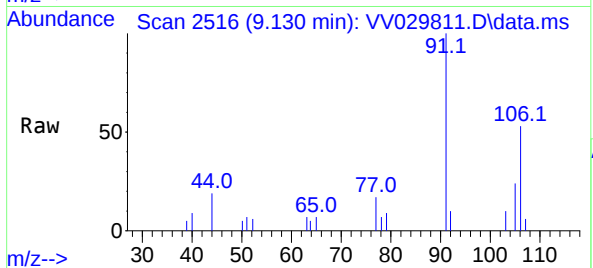
BH1W7

Tgt Ion:106 Resp: 2174

Ion Ratio Lower Upper

106 100

91 190.1 138.7 257.7



#61

1,2,3-Trichloropropane

Concen: 1.498 ug/L

RT: 11.236 min Scan# 3171

Delta R.T. 0.974 min

Lab File: VV029811.D

Acq: 13 Jan 2023 16:19

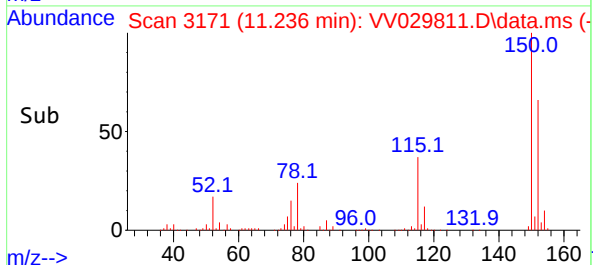
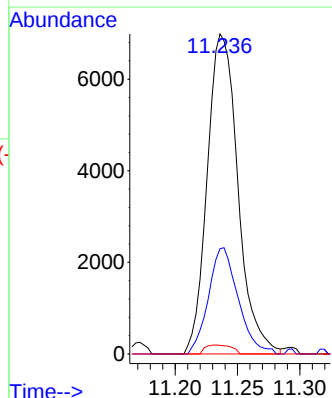
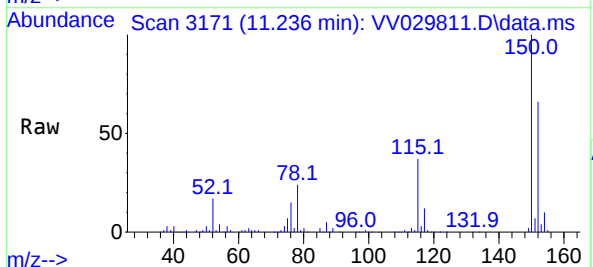
Tgt Ion: 75 Resp: 11983

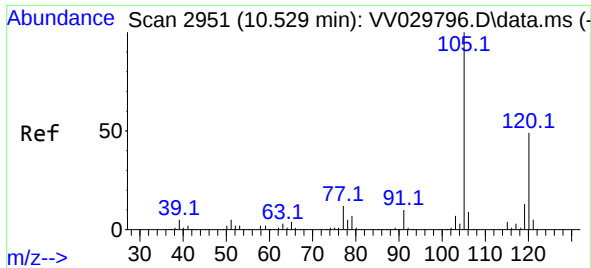
Ion Ratio Lower Upper

75 100

77 32.1 26.5 39.7

110 2.4 31.8 47.8#





#62
1,3,5-Trimethylbenzene
Concen: 0.033 ug/L
RT: 10.905 min Scan# 30
Delta R.T. 0.376 min
Lab File: VV029811.D
Acq: 13 Jan 2023 16:19

Instrument :
MSVOA_V
ClientSampleId :
BH1W7

Tgt Ion:105 Resp: 1961
Ion Ratio Lower Upper
105 100
120 47.1 40.1 60.1

