

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029818.D
 Acq On : 13 Jan 2023 19:05
 Operator : SY/MD
 Sample : 01138-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1Y1

Quant Time: Jan 13 22:53:07 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	154917	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	159201	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	87563	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	58056	4.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.800%
7) Chloroethane-d5	1.564	69	48407	4.970	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.114	63	308426	14.399	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	288.000%#
20) 2-Butanone-d5	3.876	46	145143	69.691	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	139.380%#
24) Chloroform-d	4.339	84	109262	5.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.024	65	53436	5.854	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.000%
32) Benzene-d6	5.043	84	227011	4.807	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.063	67	73164	5.294	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.800%
41) Toluene-d8	7.307	98	195553	4.473	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.616	79	22533	4.464	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.085	63	132048	64.259	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.520%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	63481	6.268	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.400%#
66) 1,2-Dichlorobenzene-d4	11.612	152	81393	5.113	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1244	0.082	ug/L	95
5) Vinyl chloride	1.310	62	596934	40.118	ug/L	99
8) Chloroethane	1.368	64	219590	24.323	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1886	0.164	ug/L #	28
12) 1,1-Dichloroethene	2.114	96	493136	37.279	ug/L #	79
13) Acetone	2.166	43	261604	175.990	ug/L	94
14) Carbon disulfide	2.291	76	16112	0.423	ug/L	99
15) Methyl Acetate	2.429	43	38357	9.909	ug/L	99
16) Methylene chloride	2.503	84	3827	0.233	ug/L	94
17) Methyl tert-butyl Ether	2.767	73	4631	0.202	ug/L	98
18) trans-1,2-Dichloroethene	2.760	96	2103	0.171	ug/L	87
19) 1,1-Dichloroethane	3.182	63	517159	25.140	ug/L	99
21) 2-Butanone	3.960	43	190659	89.532	ug/L	96
22) cis-1,2-Dichloroethene	3.902	96	663307	50.623	ug/L	99
27) 1,2-Dichloroethane	5.133	62	3902	0.359	ug/L	97
34) Trichloroethene	5.905	95	473763	35.517	ug/L	97
35) Methylcyclohexane	6.063	83	17228	0.765	ug/L #	20
37) 1,2-Dichloropropane	6.172	63	7026	0.570	ug/L	98
53) m,p-Xylene	9.133	106	901	0.038	ug/L	87

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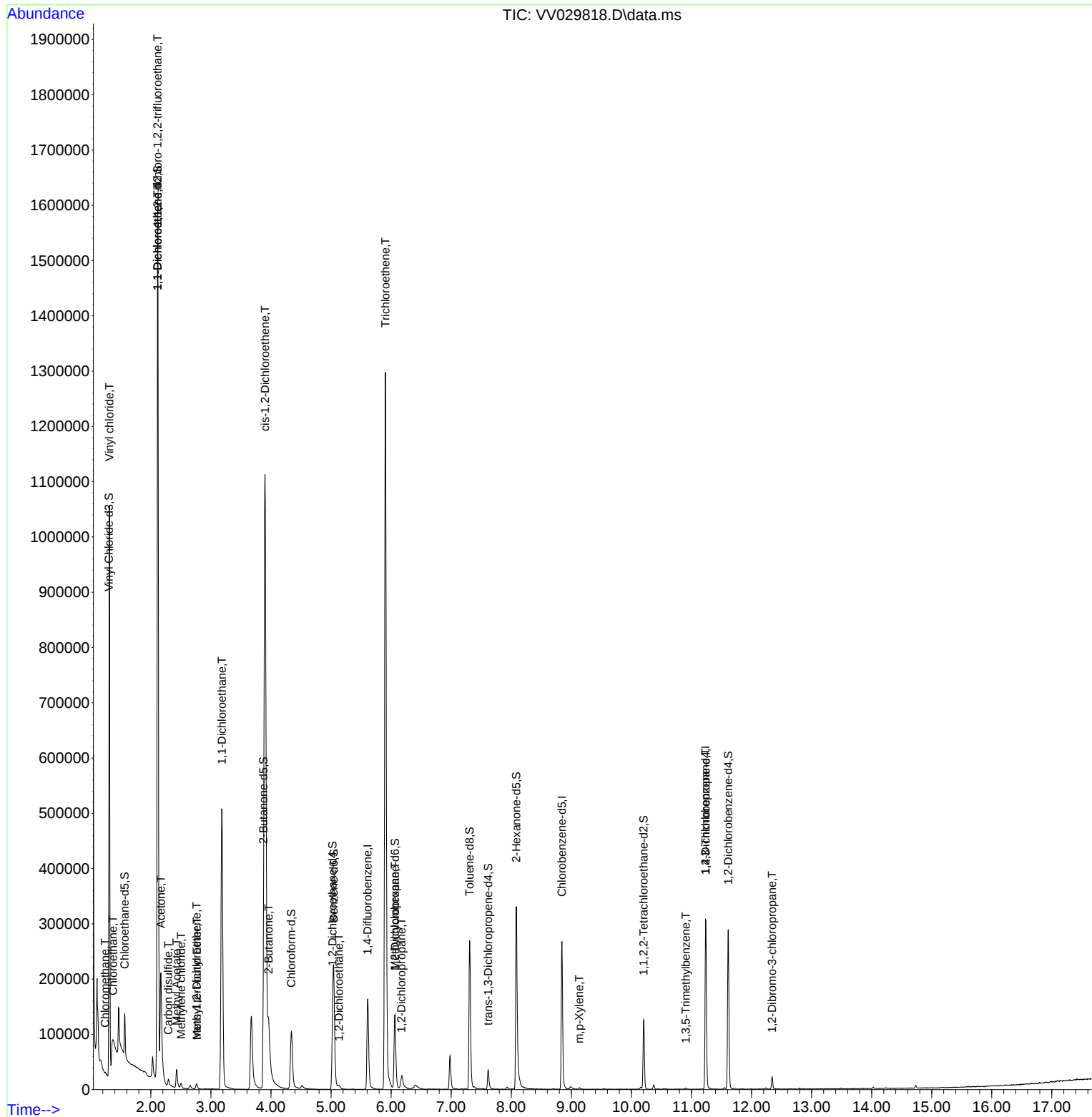
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.236	75	10080	1.555	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.905	105	1506	0.031	ug/L	87
68) 1,2-Dibromo-3-chloropr...	12.342	75	235	0.153	ug/L #	1

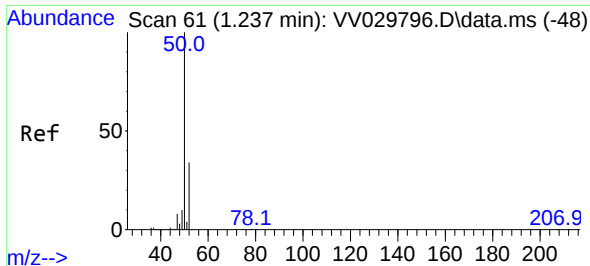
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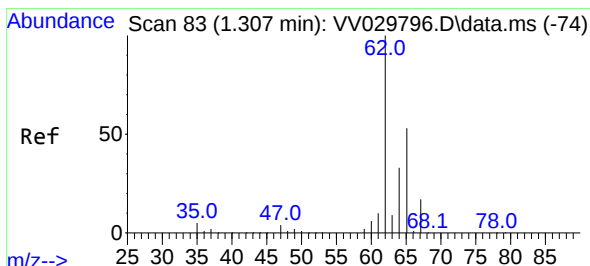
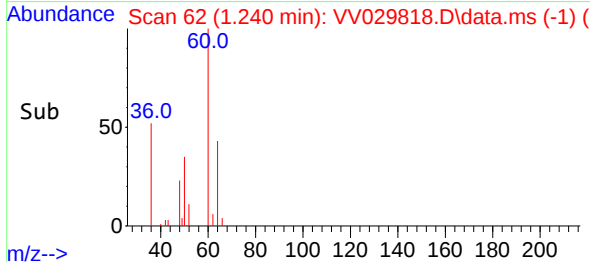
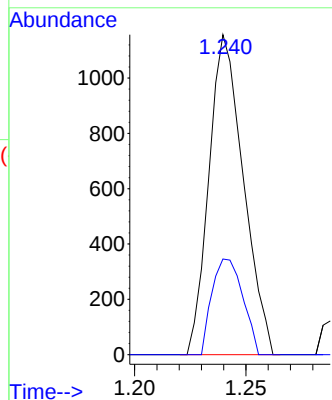
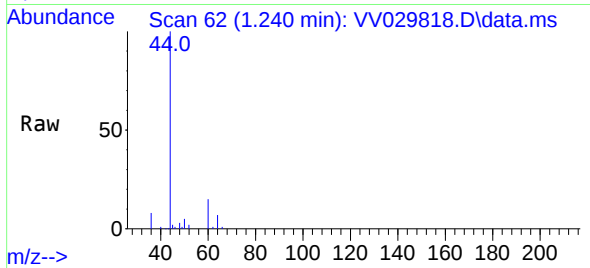




#3
Chloromethane
Concen: 0.082 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

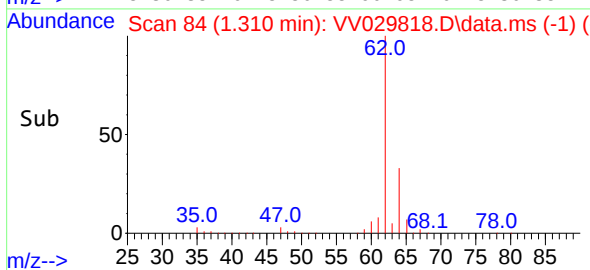
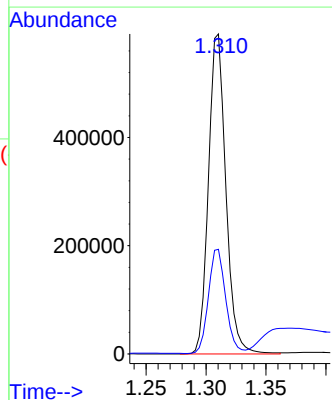
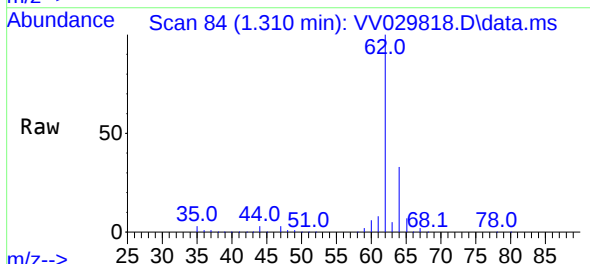
Instrument :
MSVOA_V
ClientSampleId :
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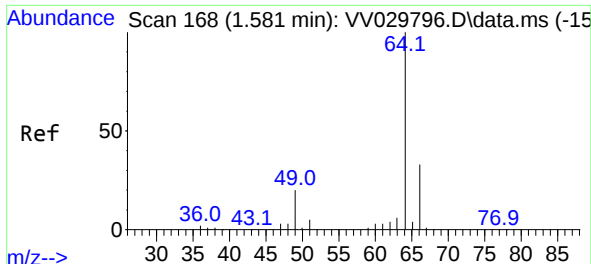
Tgt Ion: 50 Resp: 1244
Ion Ratio Lower Upper
50 100
52 29.9 23.1 42.9



#5
Vinyl chloride
Concen: 40.118 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.006 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

Tgt Ion: 62 Resp: 596934
Ion Ratio Lower Upper
62 100
64 32.7 23.2 43.2

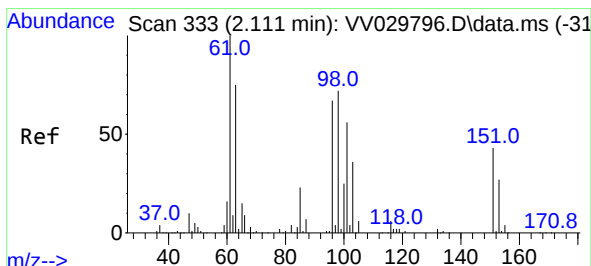
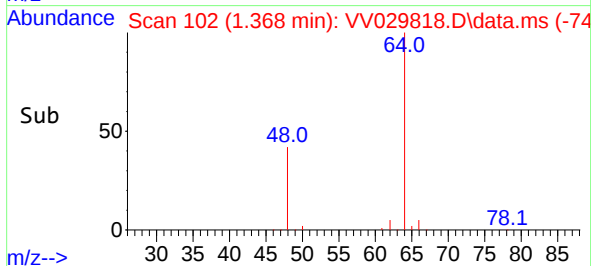
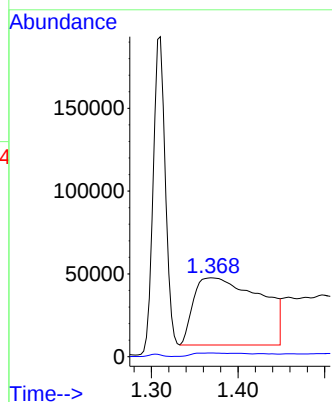
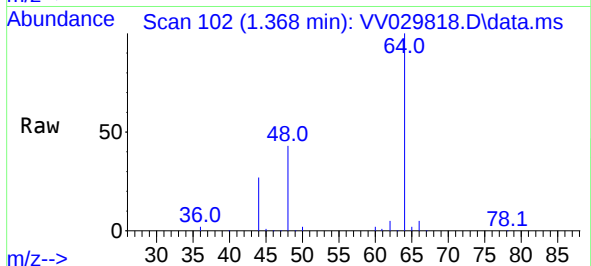




#8
Chloroethane
Concen: 24.323 ug/L
RT: 1.368 min Scan# 102
Delta R.T. -0.209 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

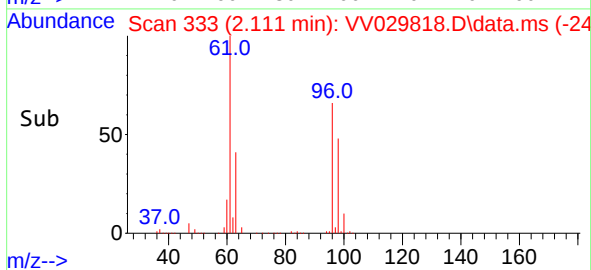
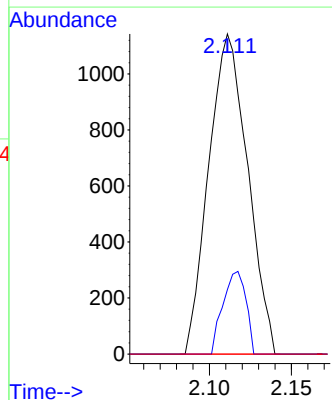
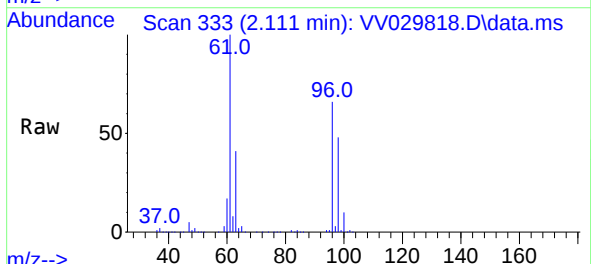
Instrument :
MSVOA_V
ClientSampleId :
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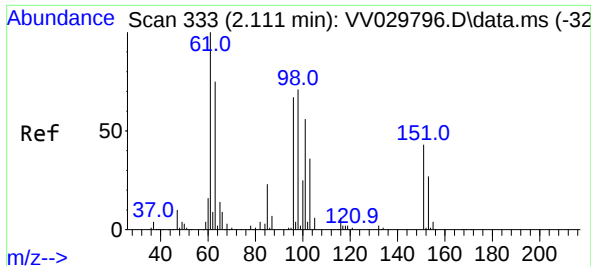
Tgt Ion: 64 Resp: 219590
Ion Ratio Lower Upper
64 100
66 4.8 22.9 42.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.164 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.000 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

Tgt Ion:101 Resp: 1886
Ion Ratio Lower Upper
101 100
85 15.2 32.9 49.3#
151 0.0 60.9 91.3#

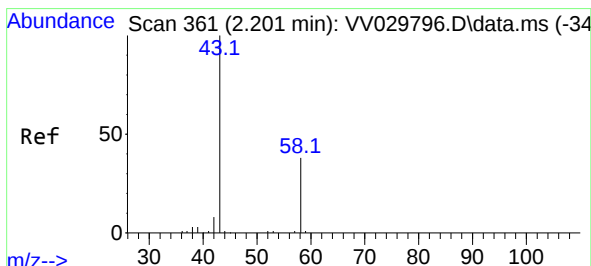
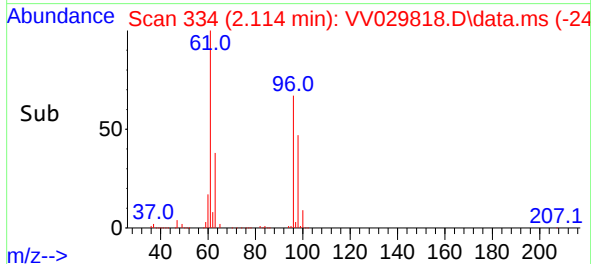
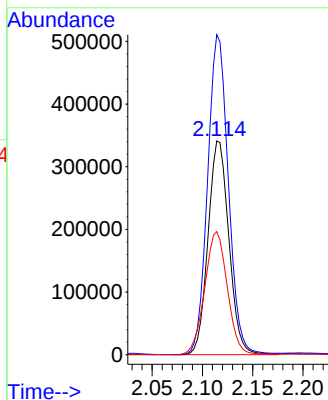
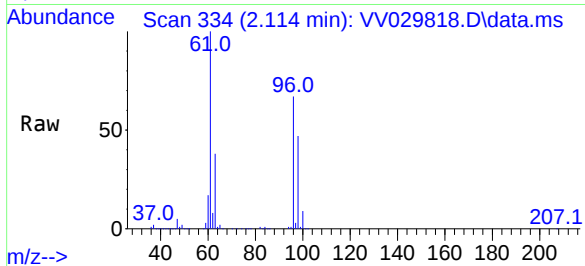




#12
1,1-Dichloroethene
Concen: 37.279 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

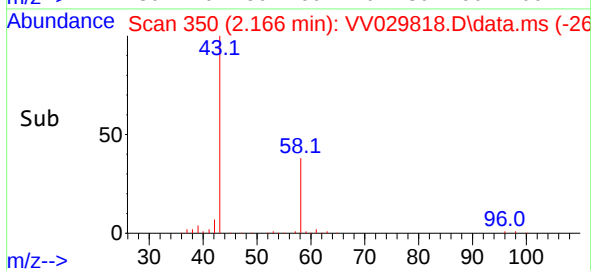
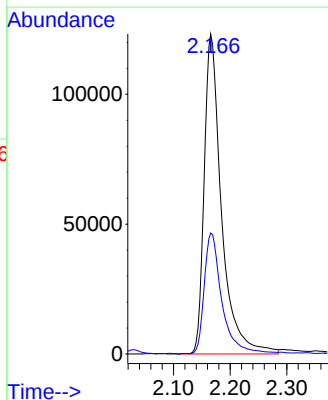
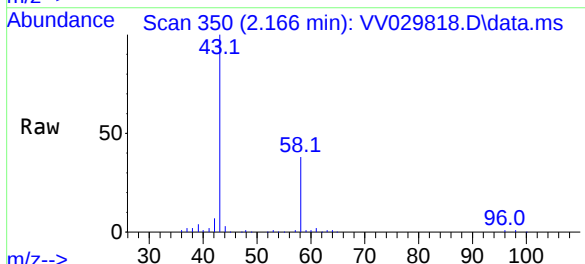
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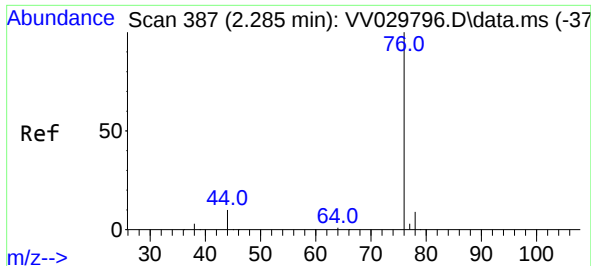
Tgt Ion: 96 Resp: 493136
Ion Ratio Lower Upper
96 100
61 149.7 106.1 197.1
63 57.6 76.4 141.8#



#13
Acetone
Concen: 175.990 ug/L
RT: 2.166 min Scan# 350
Delta R.T. -0.032 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

Tgt Ion: 43 Resp: 261604
Ion Ratio Lower Upper
43 100
58 38.1 0.0 68.8

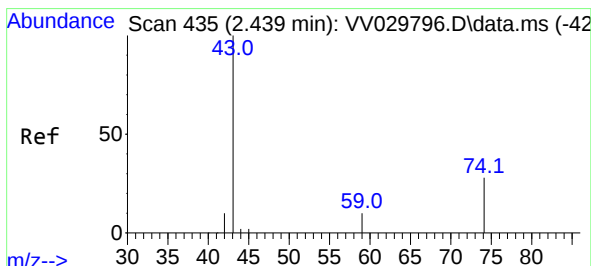
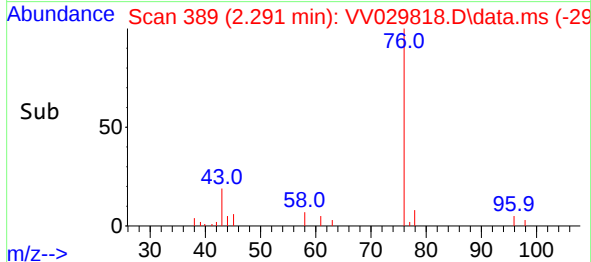
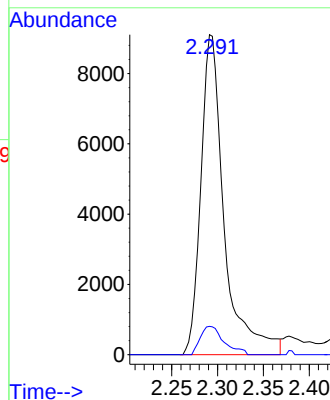
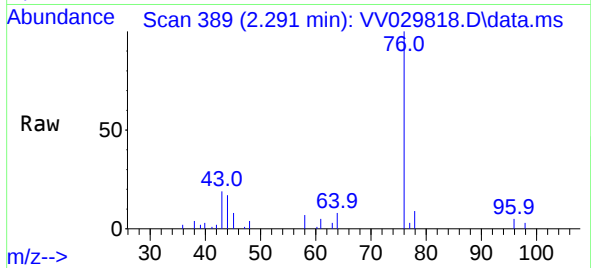




#14
Carbon disulfide
Concen: 0.423 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.006 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

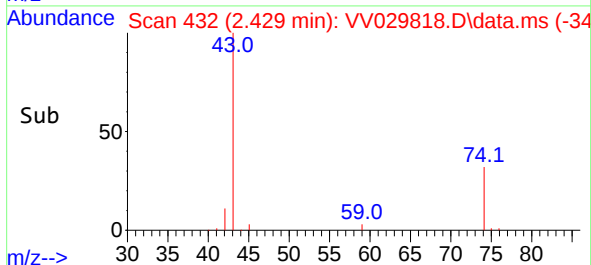
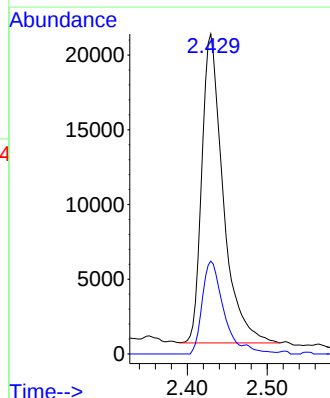
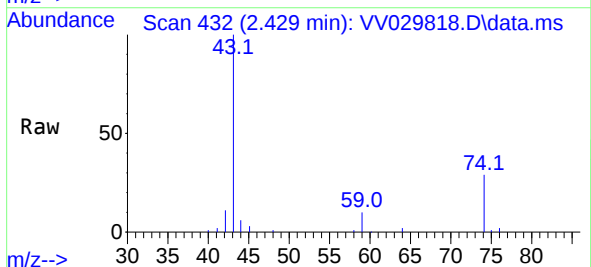
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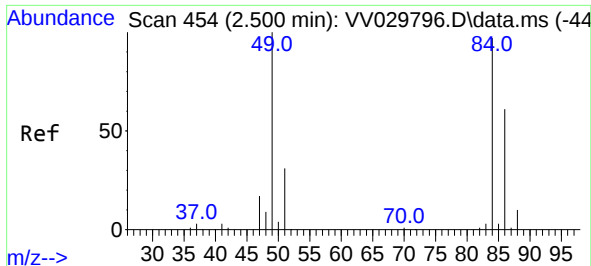
Tgt Ion: 76 Resp: 16112
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#15
Methyl Acetate
Concen: 9.909 ug/L
RT: 2.429 min Scan# 432
Delta R.T. -0.007 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

Tgt Ion: 43 Resp: 38357
Ion Ratio Lower Upper
43 100
74 28.8 23.4 35.0

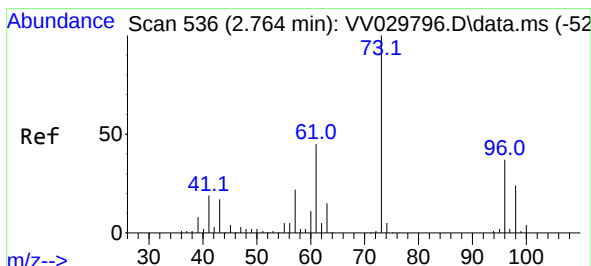
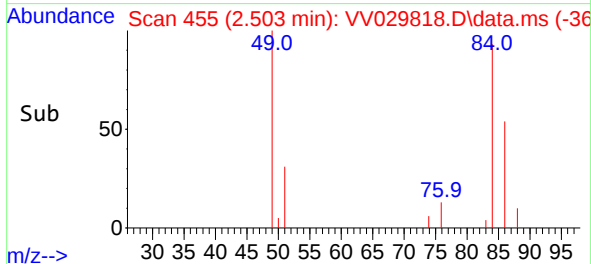
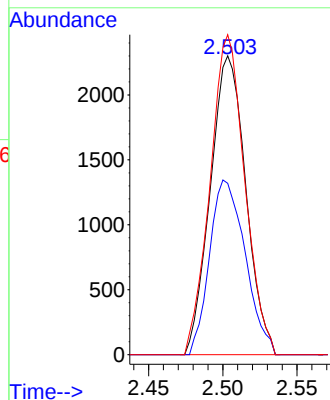
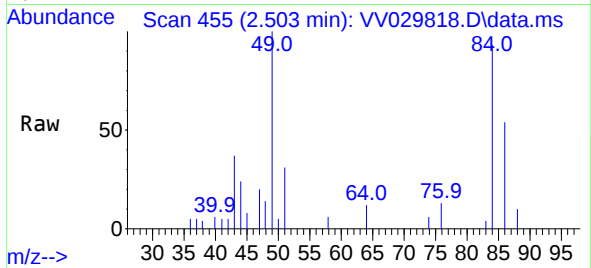




#16
Methylene chloride
Concen: 0.233 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

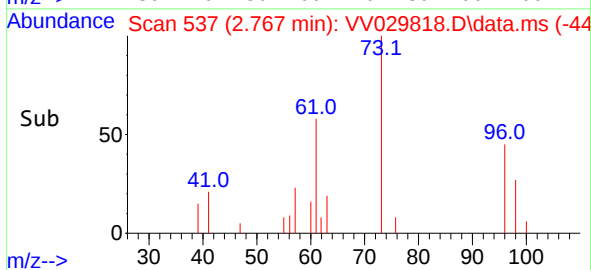
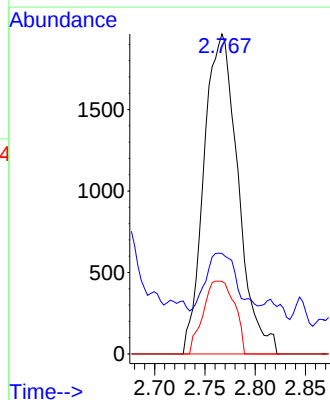
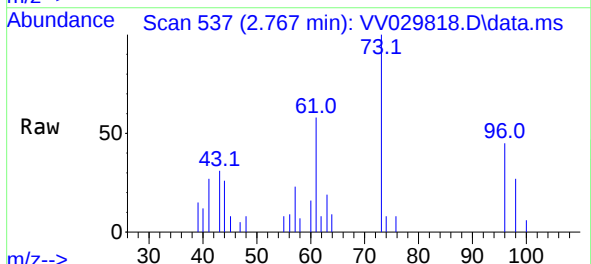
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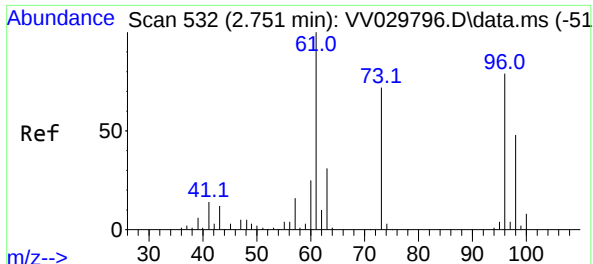
Tgt Ion: 84 Resp: 3827
Ion Ratio Lower Upper
84 100
86 57.3 45.0 83.6
49 107.1 71.5 132.7



#17
Methyl tert-butyl Ether
Concen: 0.202 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

Tgt Ion: 73 Resp: 4631
Ion Ratio Lower Upper
73 100
43 17.1 13.0 19.4
57 20.8 17.1 25.7

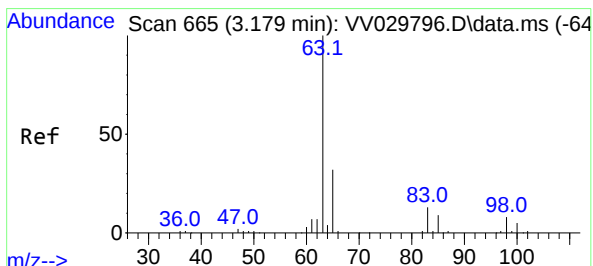
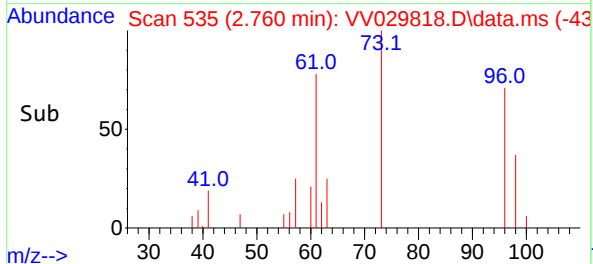
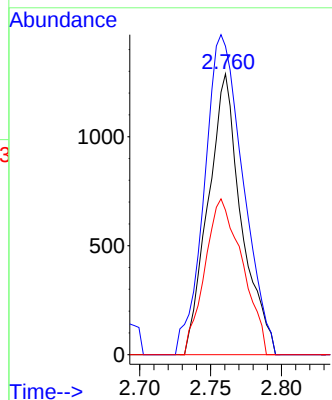
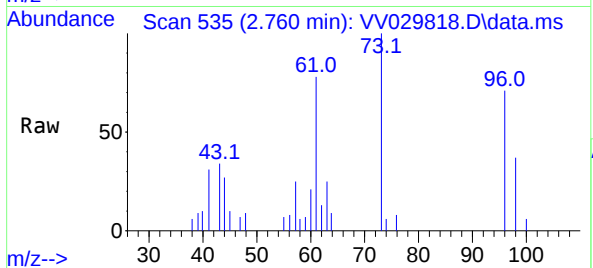




#18
trans-1,2-Dichloroethene
Concen: 0.171 ug/L
RT: 2.760 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

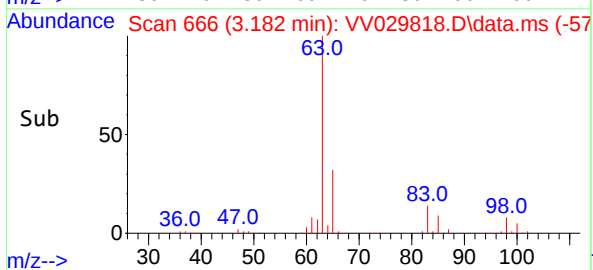
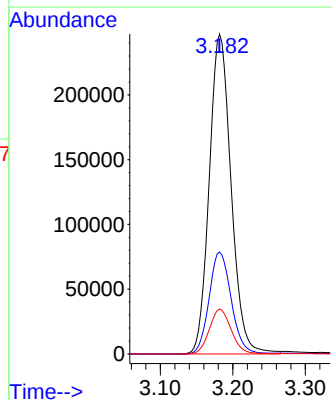
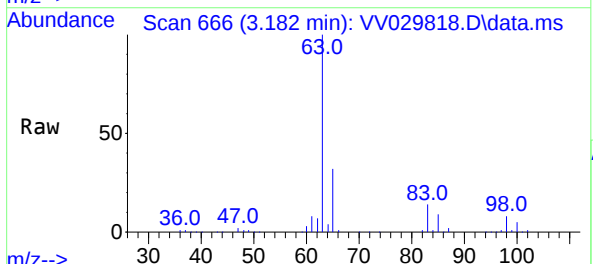
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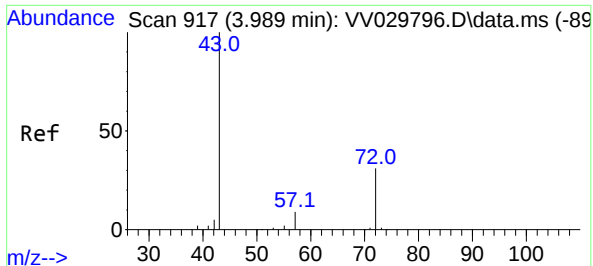
Tgt Ion: 96 Resp: 2103
Ion Ratio Lower Upper
96 100
61 109.9 86.1 159.9
98 51.5 43.9 81.5



#19
1,1-Dichloroethane
Concen: 25.140 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.003 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

Tgt Ion: 63 Resp: 517159
Ion Ratio Lower Upper
63 100
65 31.9 22.4 41.6
83 14.1 10.2 19.0

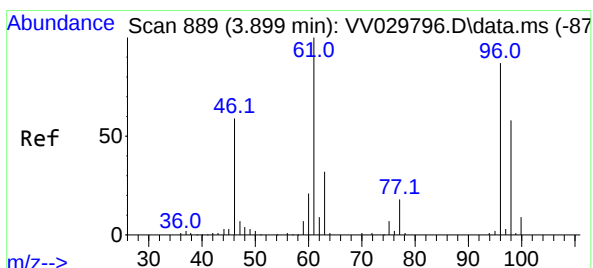
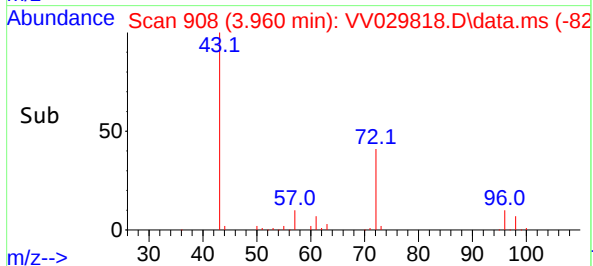
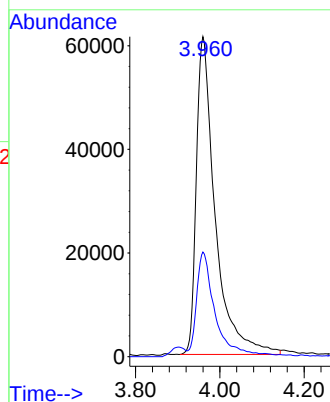
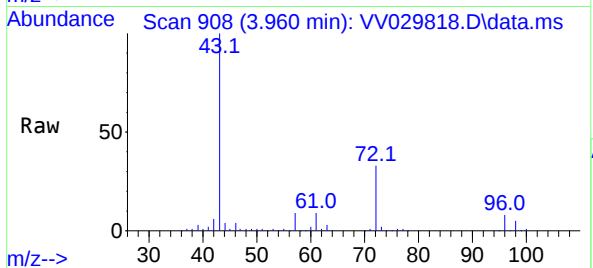




#21
2-Butanone
Concen: 89.532 ug/L
RT: 3.960 min Scan# 90
Delta R.T. -0.023 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

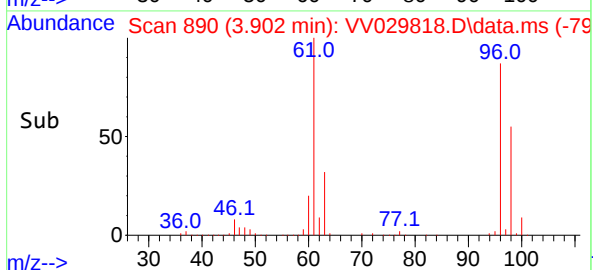
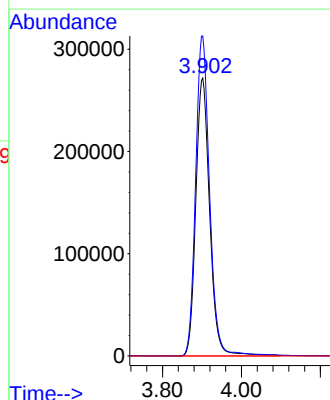
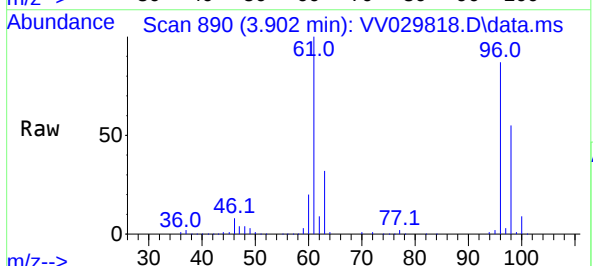
Instrument :
MSVOA_V
ClientSampleId :
BH1Y1

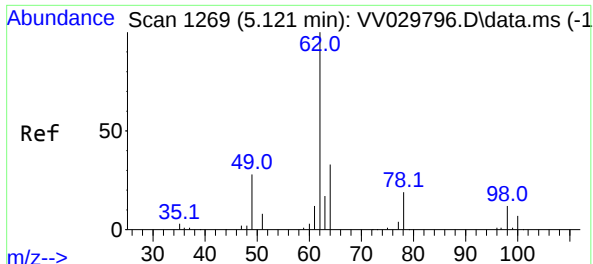
Tgt Ion: 43 Resp: 190659
Ion Ratio Lower Upper
43 100
72 29.9 13.9 41.6



#22
cis-1,2-Dichloroethene
Concen: 50.623 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.003 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

Tgt Ion: 96 Resp: 663307
Ion Ratio Lower Upper
96 100
61 115.2 80.0 148.6
68 0.0 0.0 0.0

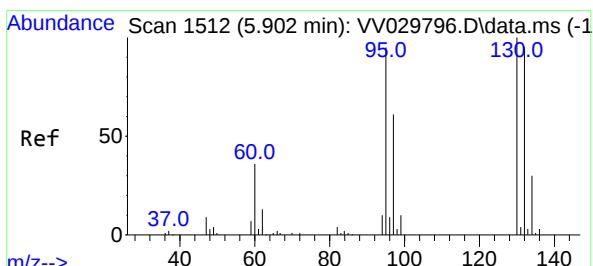
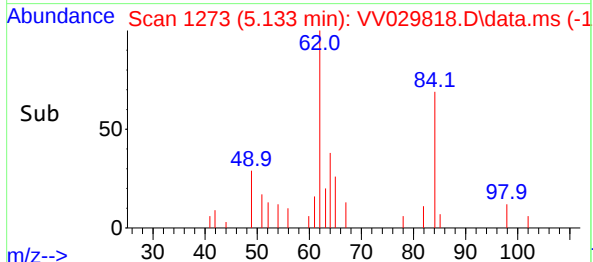
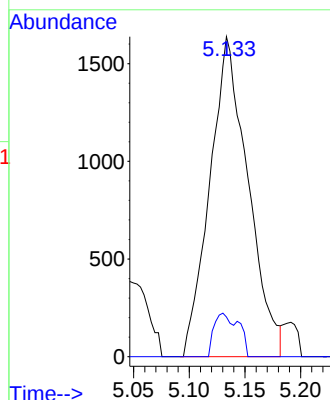
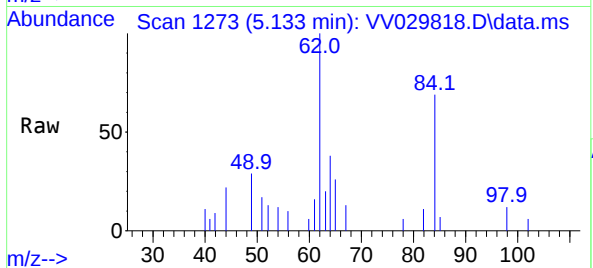




#27
1,2-Dichloroethane
Concen: 0.359 ug/L
RT: 5.133 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

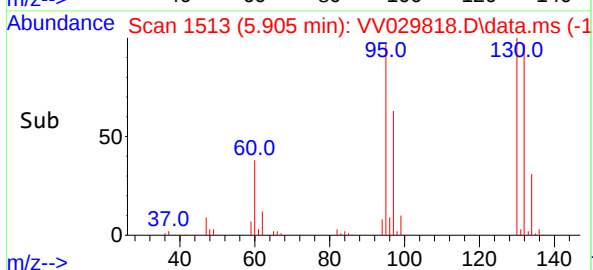
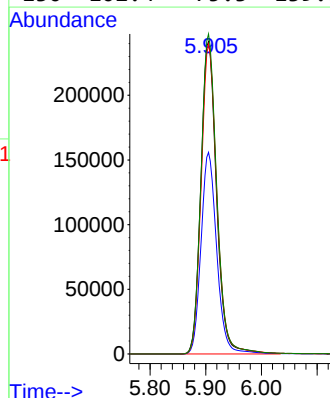
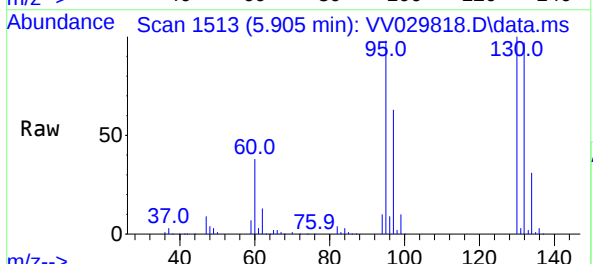
Instrument :
MSVOA_V
ClientSampleId :
BH1Y1

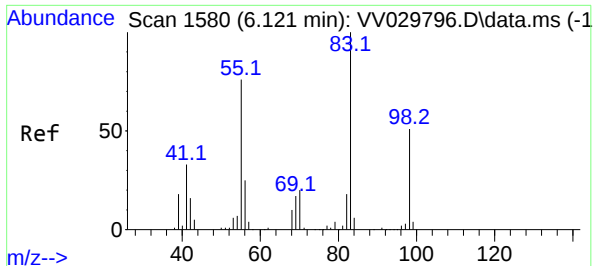
Tgt Ion: 62 Resp: 3902
Ion Ratio Lower Upper
62 100
98 12.4 8.9 13.3



#34
Trichloroethene
Concen: 35.517 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

Tgt Ion: 95 Resp: 473763
Ion Ratio Lower Upper
95 100
97 64.5 44.9 83.3
132 99.2 71.8 133.4
130 102.4 75.3 139.8





#35

Methylcyclohexane

Concen: 0.765 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV029818.D

Acq: 13 Jan 2023 19:05

Instrument :

MSVOA_V

ClientSampleId :

BH1Y1

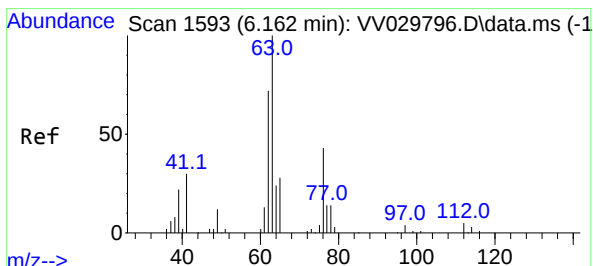
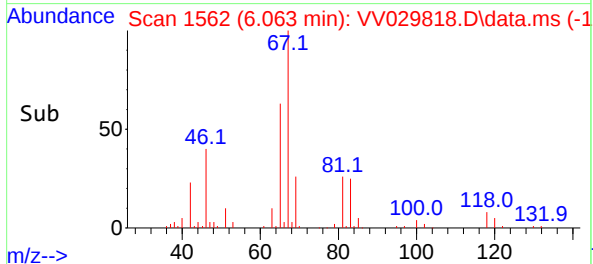
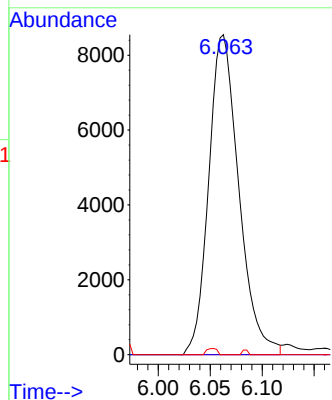
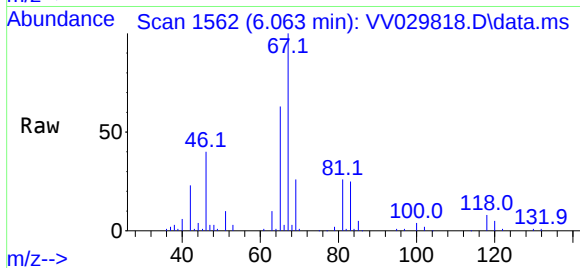
Tgt Ion: 83 Resp: 17228

Ion Ratio Lower Upper

83 100

55 0.1 57.3 85.9#

98 0.0 39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.570 ug/L

RT: 6.172 min Scan# 1596

Delta R.T. 0.010 min

Lab File: VV029818.D

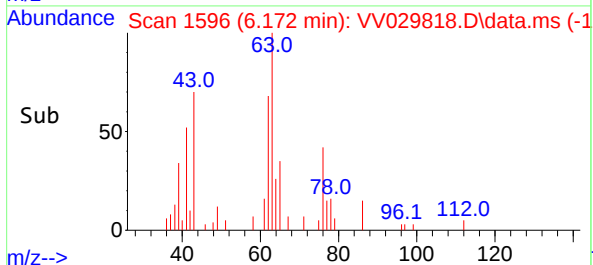
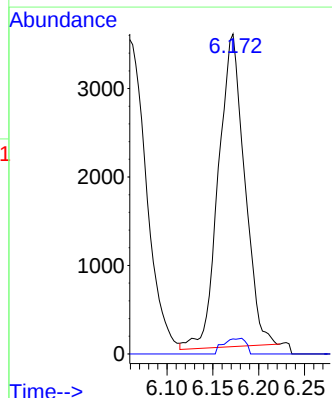
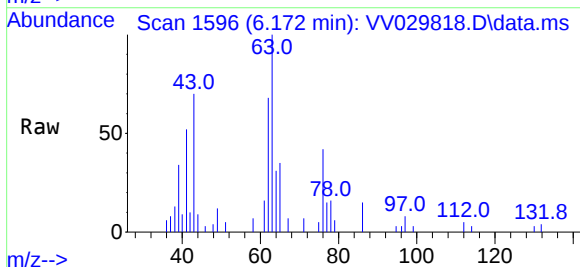
Acq: 13 Jan 2023 19:05

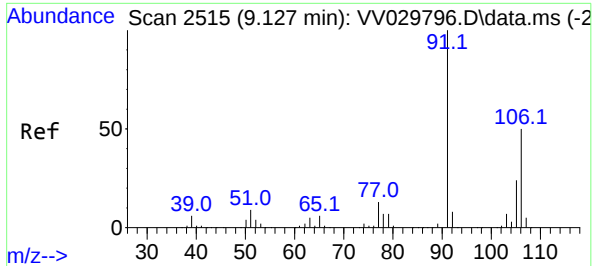
Tgt Ion: 63 Resp: 7026

Ion Ratio Lower Upper

63 100

112 4.2 3.9 5.9

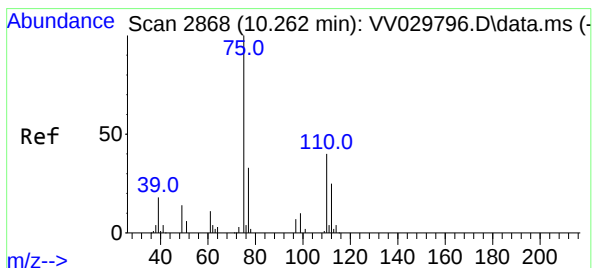
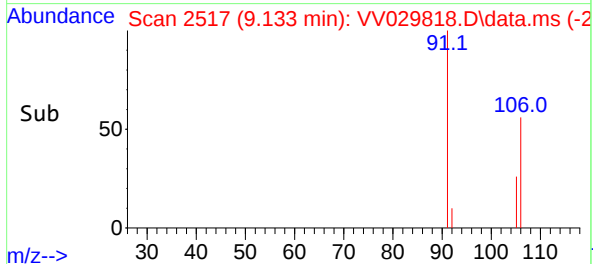
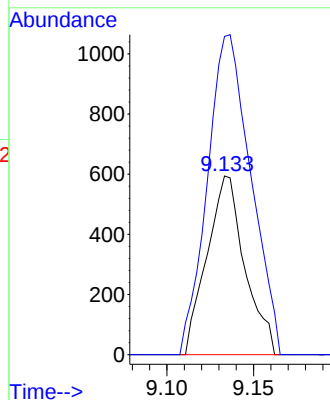
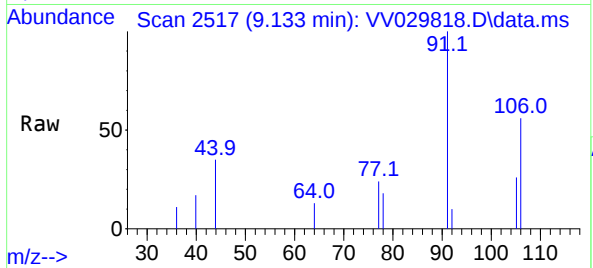




#53
m,p-Xylene
Concen: 0.038 ug/L
RT: 9.133 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

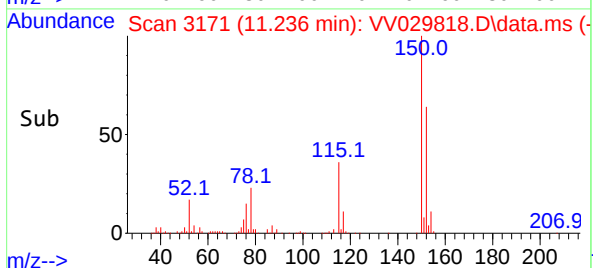
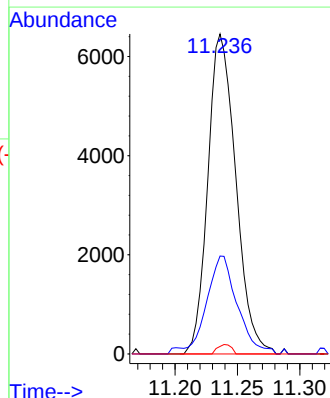
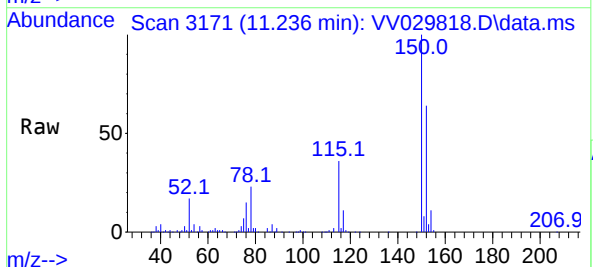
Instrument :
MSVOA_V
ClientSampleId :
BH1Y1

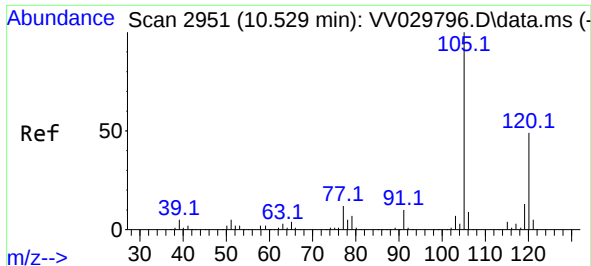
Tgt Ion:106 Resp: 901
Ion Ratio Lower Upper
106 100
91 178.1 138.7 257.7



#61
1,2,3-Trichloropropane
Concen: 1.555 ug/L
RT: 11.236 min Scan# 3171
Delta R.T. 0.974 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

Tgt Ion: 75 Resp: 10080
Ion Ratio Lower Upper
75 100
77 33.1 26.5 39.7
110 1.4 31.8 47.8#

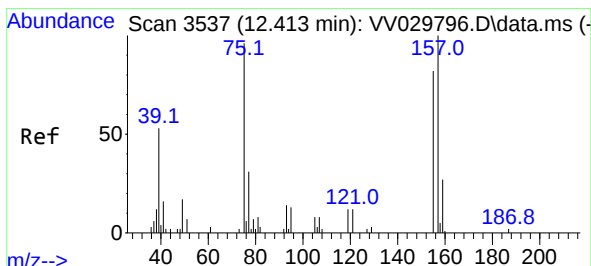
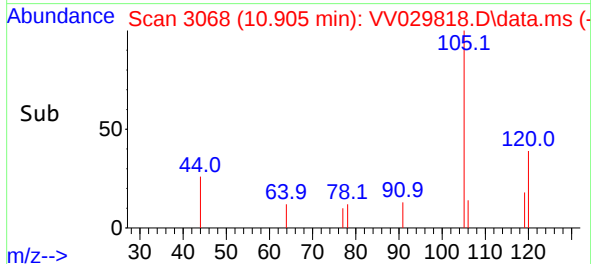
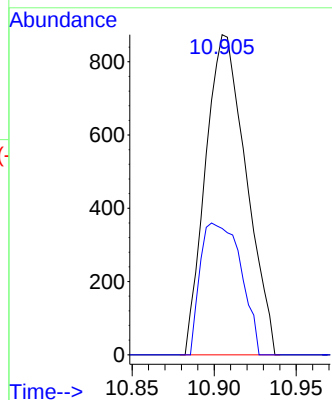
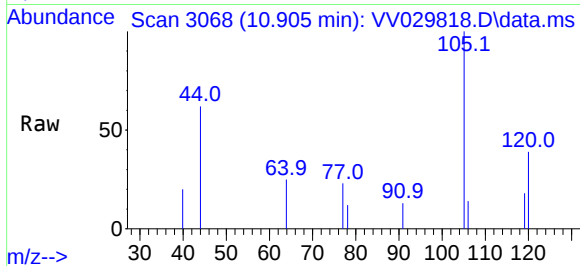




#62
1,3,5-Trimethylbenzene
Concen: 0.031 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. 0.376 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

Instrument :
MSVOA_V
ClientSampleId :
BH1Y1

Tgt Ion:105 Resp: 1506
Ion Ratio Lower Upper
105 100
120 40.9 40.1 60.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.153 ug/L
RT: 12.342 min Scan# 3515
Delta R.T. -0.074 min
Lab File: VV029818.D
Acq: 13 Jan 2023 19:05

Tgt Ion: 75 Resp: 235
Ion Ratio Lower Upper
75 100
155 0.0 75.5 113.3#
157 0.0 99.2 148.8#

