

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029820.D
 Acq On : 13 Jan 2023 19:51
 Operator : SY/MD
 Sample : 01138-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1Y3

Quant Time: Jan 13 22:53:22 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	5.603	114	216936	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.837	117	196544	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	101276	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	66565	4.045	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.000%
7) Chloroethane-d5	1.558	69	60435	4.431	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.101	63	199921	6.665	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	133.200%#
20) 2-Butanone-d5	4.005	46	105624	36.217	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.440%
24) Chloroform-d	4.336	84	139567	4.624	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.027	65	65657	5.136	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	5.030	84	295191	5.063	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.056	67	83851	4.914	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.291	98	259324	4.804	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	7.606	79	24245	3.891	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.800%
46) 2-Hexanone-d5	8.108	63	145487	57.347	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.700%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	62368	4.988	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	11.612	152	92610	5.030	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.230	50	1258	0.059	ug/L	86
5) Vinyl chloride	1.298	62	13927	0.668	ug/L #	1
8) Chloroethane	1.574	64	3190	0.252	ug/L #	59
10) 1,1,2-Trichloro-1,2,2-...	2.098	101	1456	0.091	ug/L #	25
12) 1,1-Dichloroethene	2.108	96	215052	11.609	ug/L #	83
13) Acetone	2.162	43	21041	10.108	ug/L	56
14) Carbon disulfide	2.281	76	25550	0.479	ug/L	100
15) Methyl Acetate	2.388	43	365599	67.443	ug/L #	60
16) Methylene chloride	2.497	84	4626	0.201	ug/L	96
17) Methyl tert-butyl Ether	2.773	73	1243	0.039	ug/L #	1
18) trans-1,2-Dichloroethene	2.744	96	1826	0.106	ug/L	88
19) 1,1-Dichloroethane	3.175	63	127845	4.438	ug/L	98
21) 2-Butanone	4.124	43	745776	250.090	ug/L #	71
22) cis-1,2-Dichloroethene	3.895	96	359228	19.578	ug/L	95
25) Chloroform	4.365	83	5714	0.182	ug/L	87
27) 1,2-Dichloroethane	5.130	62	1040	0.068	ug/L #	71
34) Trichloroethene	5.892	95	4284051	260.142	ug/L	93
35) Methylcyclohexane	6.056	83	20248	0.728	ug/L #	27
37) 1,2-Dichloropropane	6.156	63	3986	0.262	ug/L #	92

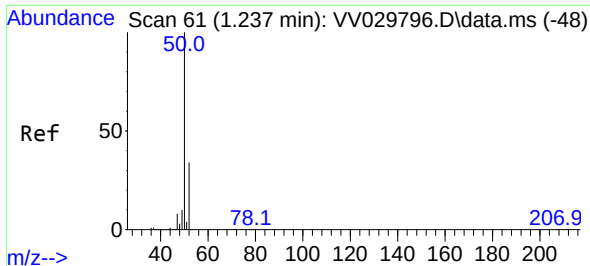
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011323\
Data File : VV029820.D
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Quant Time: Jan 13 22:53:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 12 22:05:54 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.120	106	966	0.033	ug/L	62
61) 1,2,3-Trichloropropane	9.689	75	8574	1.143	ug/L #	39
71) Naphthalene	13.496	128	1759	0.066	ug/L #	76

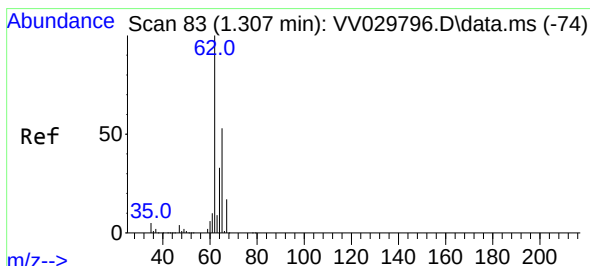
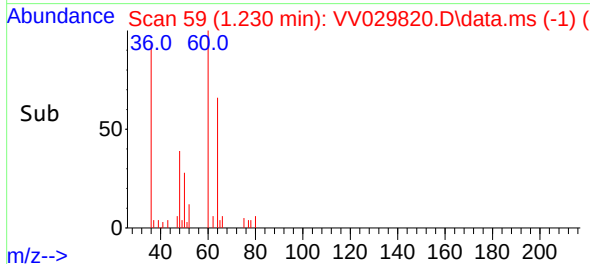
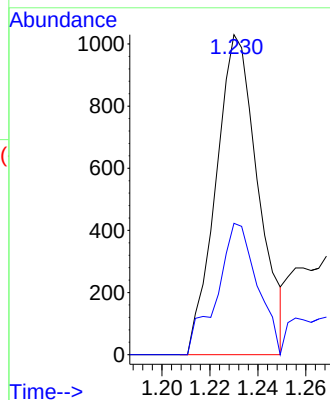
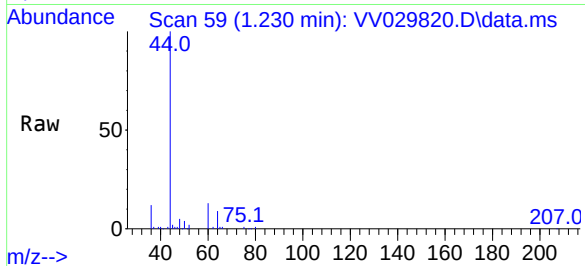
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.059 ug/L
RT: 1.230 min Scan# 51
Delta R.T. -0.007 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

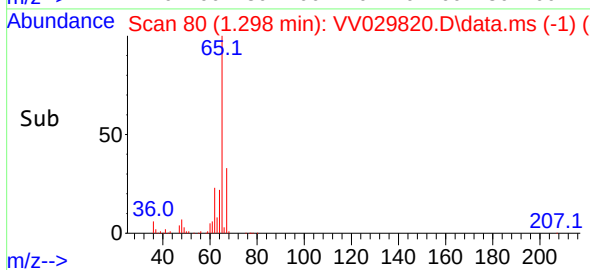
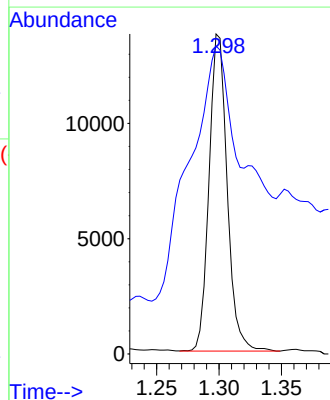
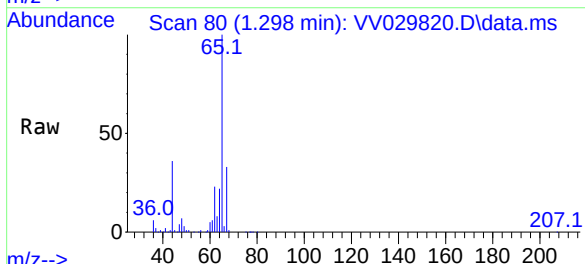
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ClientSampleId :
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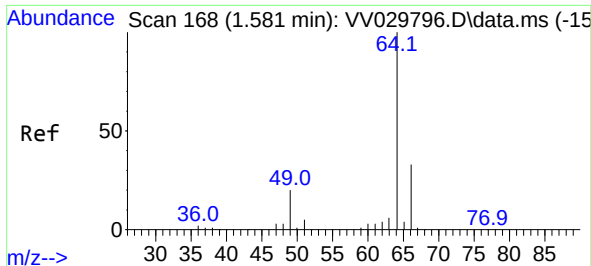
Tgt Ion: 50 Resp: 1258
Ion Ratio Lower Upper
50 100
52 41.1 23.1 42.9



#5
Vinyl chloride
Concen: 0.668 ug/L
RT: 1.298 min Scan# 80
Delta R.T. -0.007 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

Tgt Ion: 62 Resp: 13927
Ion Ratio Lower Upper
62 100
64 96.2 23.2 43.2#

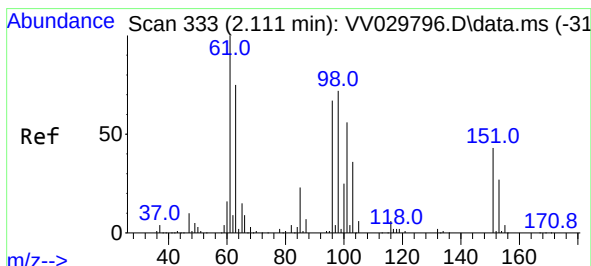
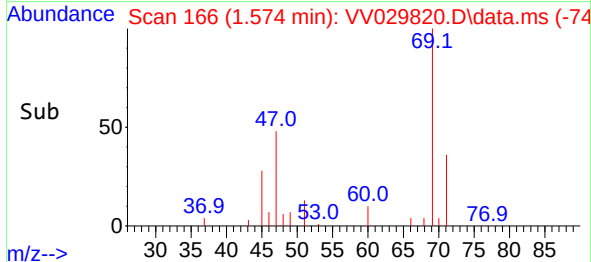
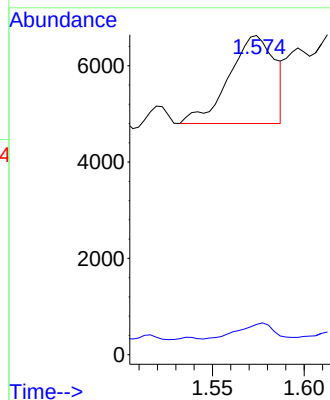
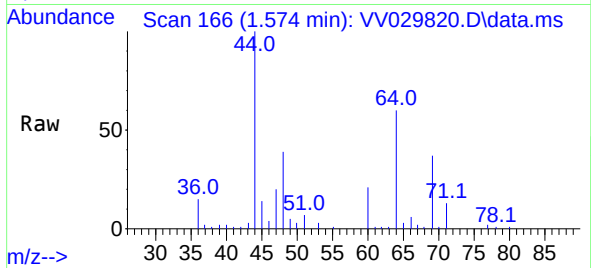




#8
Chloroethane
Concen: 0.252 ug/L
RT: 1.574 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

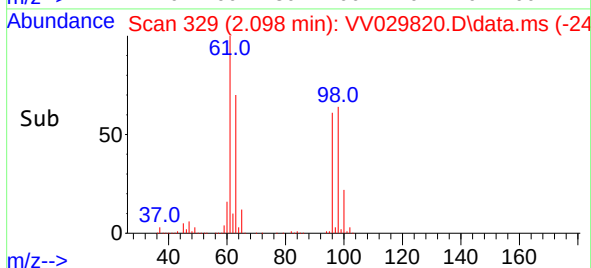
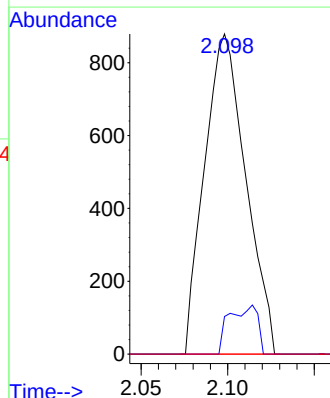
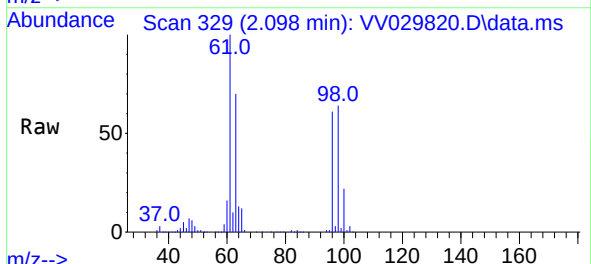
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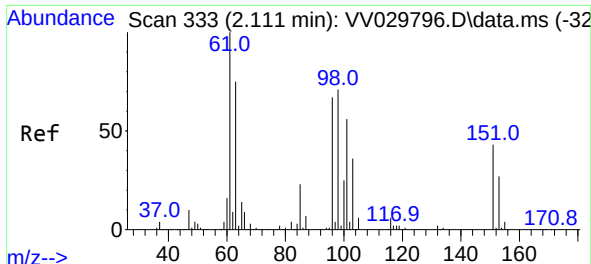
Tgt Ion: 64 Resp: 3190
Ion Ratio Lower Upper
64 100
66 9.5 22.9 42.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.091 ug/L
RT: 2.098 min Scan# 329
Delta R.T. -0.013 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

Tgt Ion:101 Resp: 1456
Ion Ratio Lower Upper
101 100
85 10.5 32.9 49.3#
151 0.0 60.9 91.3#





#12

1,1-Dichloroethene

Concen: 11.609 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV029820.D

Acq: 13 Jan 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

BH1Y3

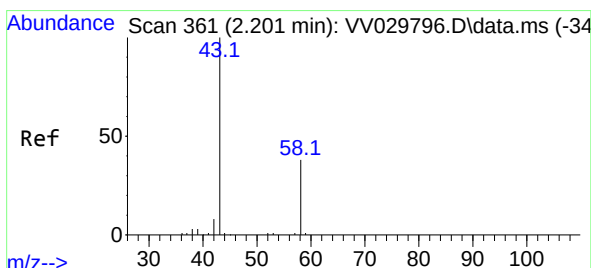
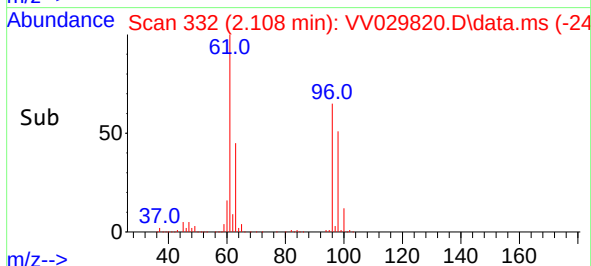
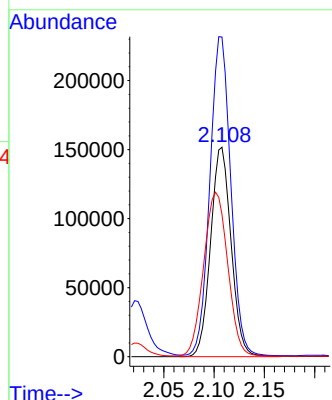
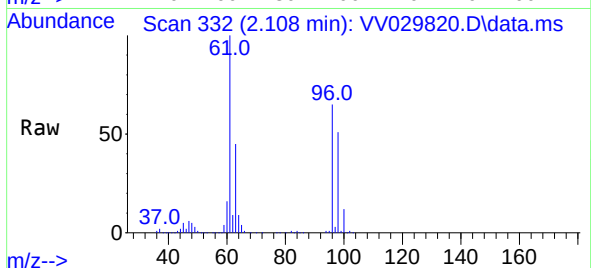
Tgt Ion: 96 Resp: 215052

Ion Ratio Lower Upper

96 100

61 152.7 106.1 197.1

63 68.0 76.4 141.8#



#13

Acetone

Concen: 10.108 ug/L

RT: 2.162 min Scan# 349

Delta R.T. -0.035 min

Lab File: VV029820.D

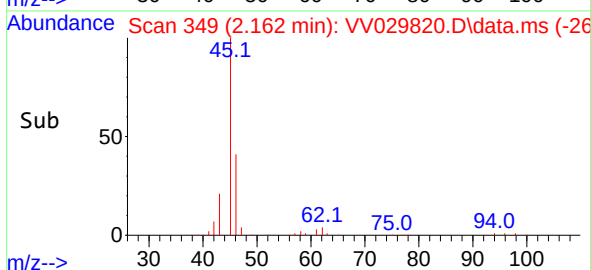
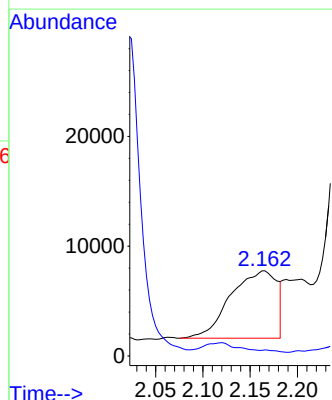
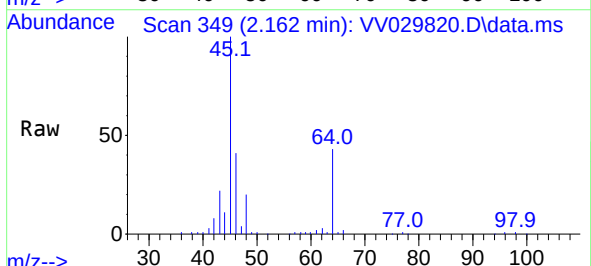
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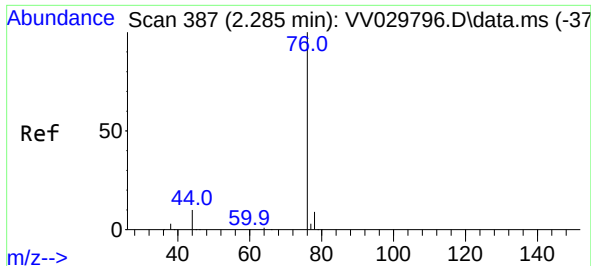
Tgt Ion: 43 Resp: 21041

Ion Ratio Lower Upper

43 100

58 9.2 0.0 68.8

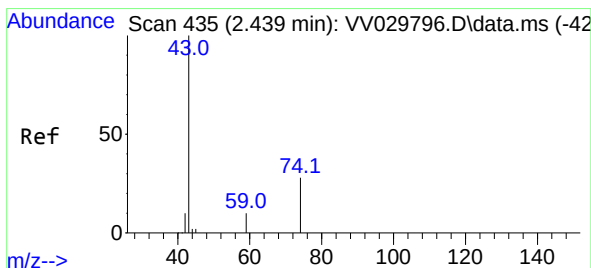
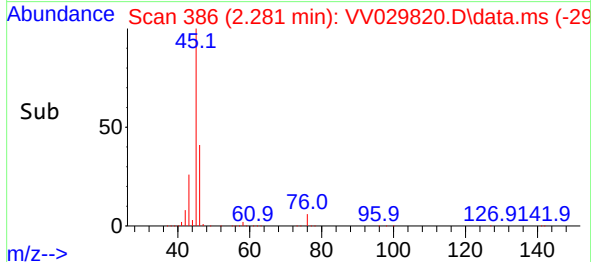
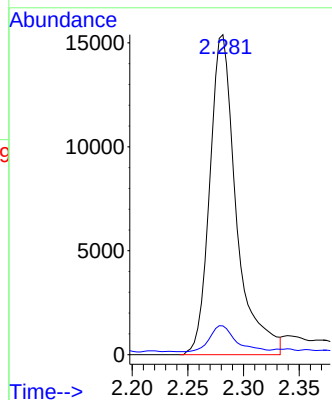
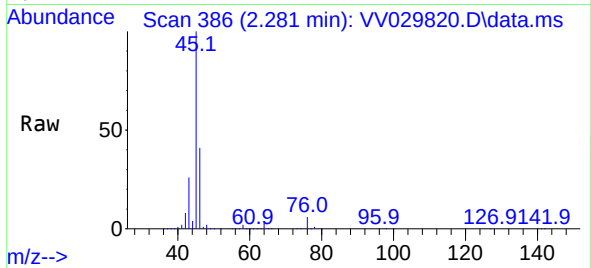




#14
Carbon disulfide
Concen: 0.479 ug/L
RT: 2.281 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

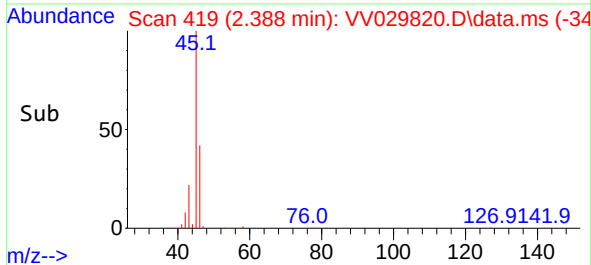
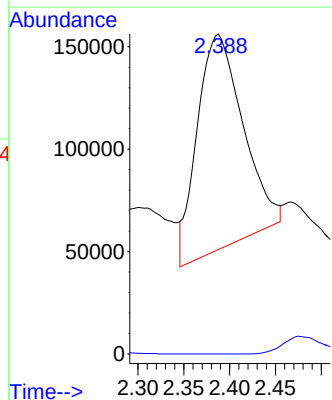
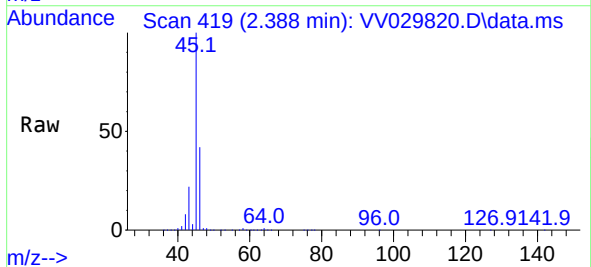
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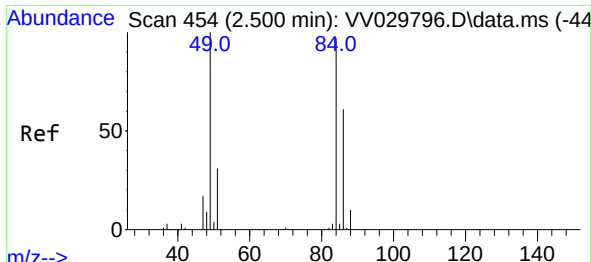
Tgt Ion: 76 Resp: 25550
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#15
Methyl Acetate
Concen: 67.443 ug/L
RT: 2.388 min Scan# 419
Delta R.T. -0.048 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

Tgt Ion: 43 Resp: 365599
Ion Ratio Lower Upper
43 100
74 7.8 23.4 35.0#

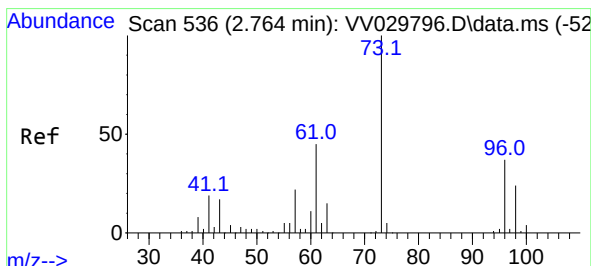
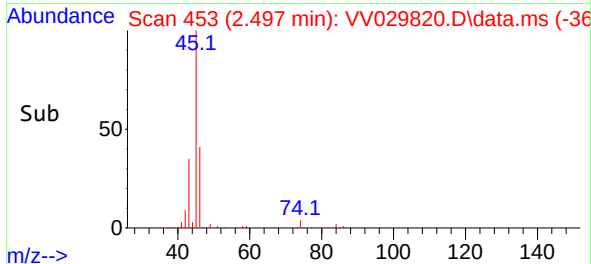
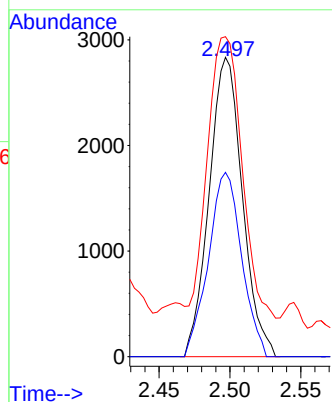
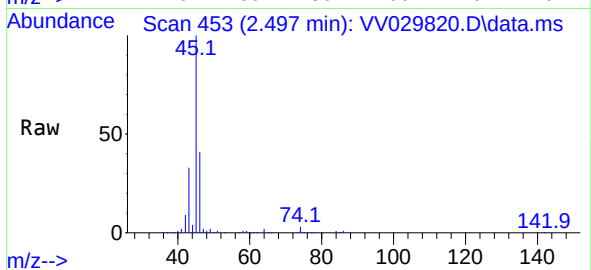




#16
Methylene chloride
Concen: 0.201 ug/L
RT: 2.497 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

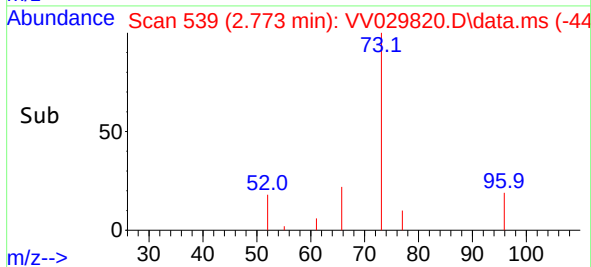
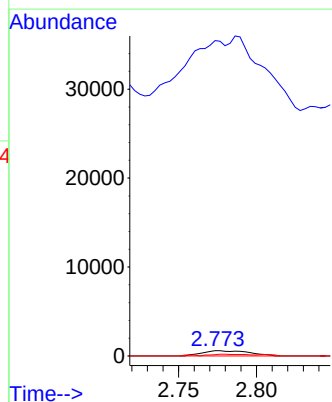
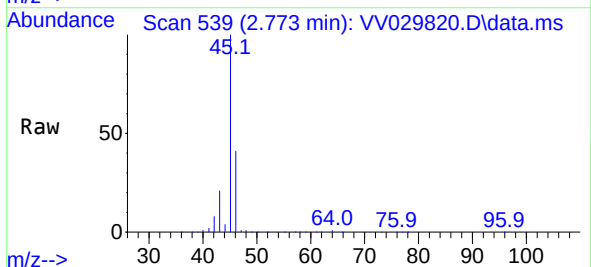
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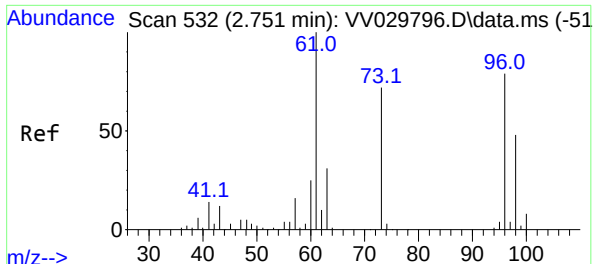
Tgt Ion: 84 Resp: 4626
Ion Ratio Lower Upper
84 100
86 61.6 45.0 83.6
49 106.9 71.5 132.7



#17
Methyl tert-butyl Ether
Concen: 0.039 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.013 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

Tgt Ion: 73 Resp: 1243
Ion Ratio Lower Upper
73 100
43 347.1 13.0 19.4#
57 25.6 17.1 25.7

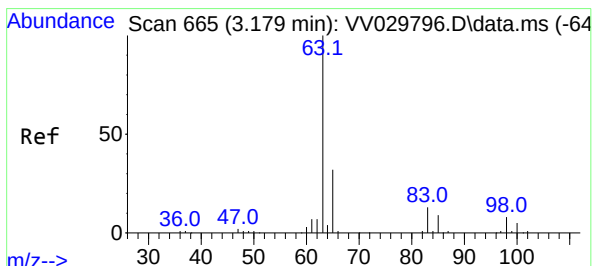
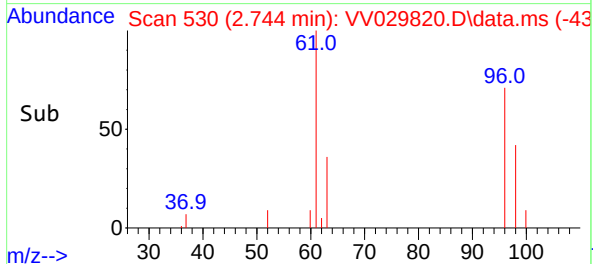
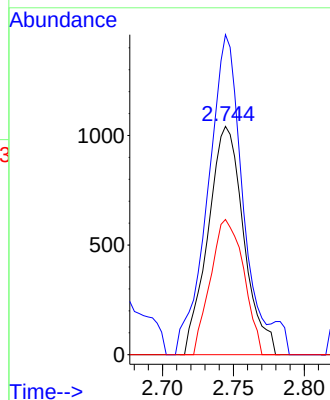
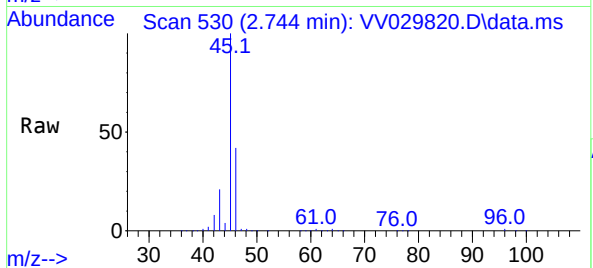




#18
trans-1,2-Dichloroethene
Concen: 0.106 ug/L
RT: 2.744 min Scan# 51
Delta R.T. -0.007 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

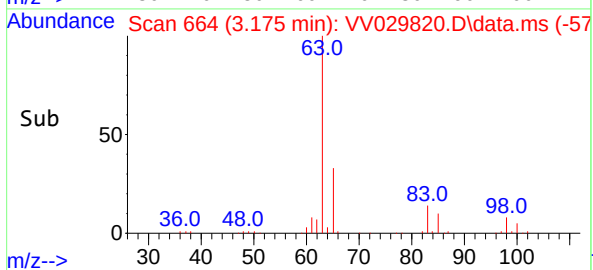
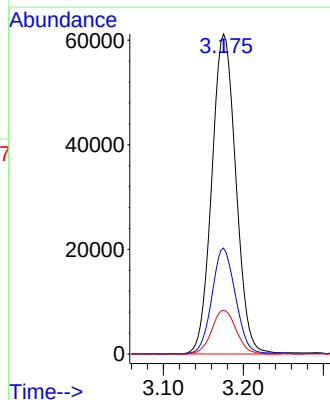
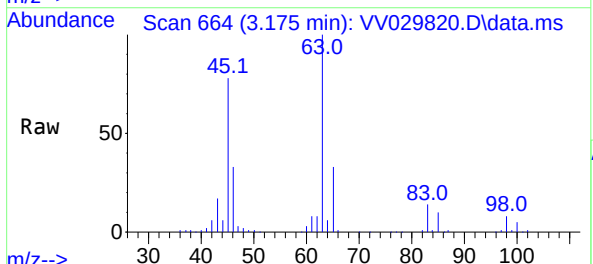
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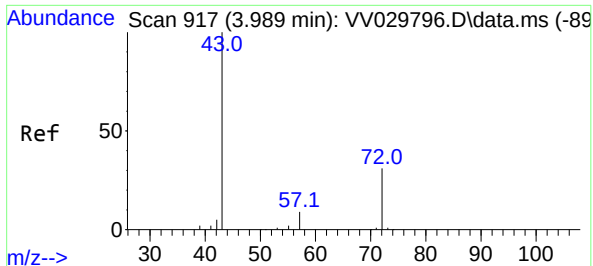
Tgt Ion: 96 Resp: 1826
Ion Ratio Lower Upper
96 100
61 140.1 86.1 159.9
98 59.2 43.9 81.5



#19
1,1-Dichloroethane
Concen: 4.438 ug/L
RT: 3.175 min Scan# 664
Delta R.T. -0.003 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

Tgt Ion: 63 Resp: 127845
Ion Ratio Lower Upper
63 100
65 33.1 22.4 41.6
83 13.7 10.2 19.0

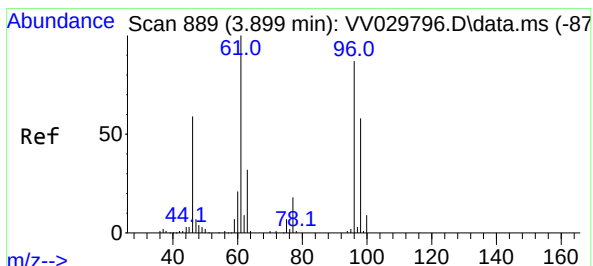
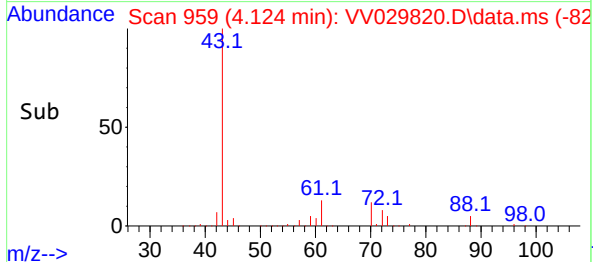
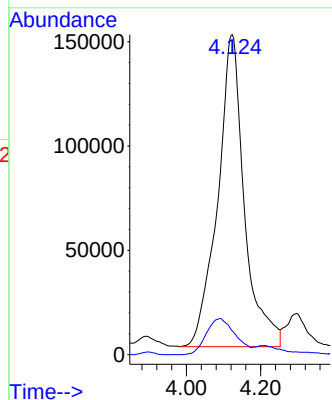
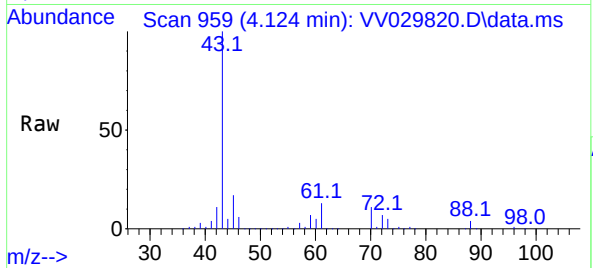




#21
2-Butanone
Concen: 250.090 ug/L
RT: 4.124 min Scan# 917
Delta R.T. 0.141 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

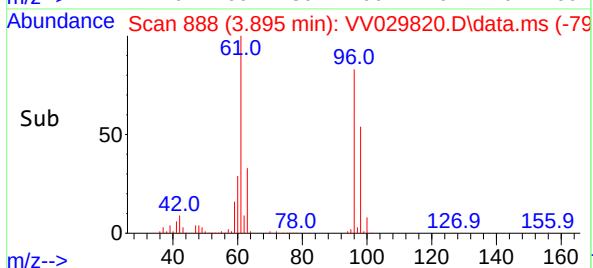
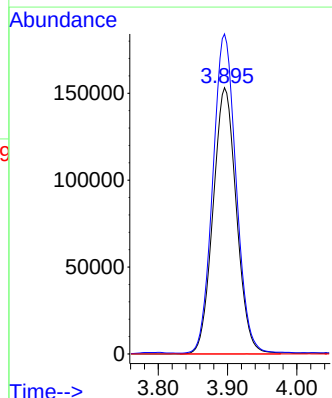
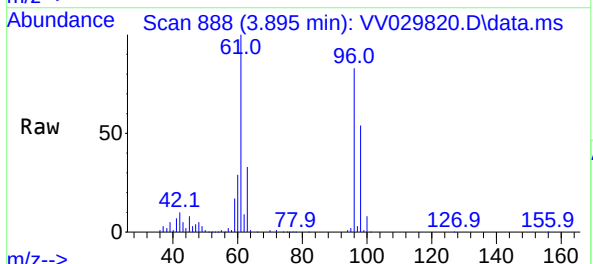
Instrument :
MSVOA_V
ClientSampleId :
BH1Y3

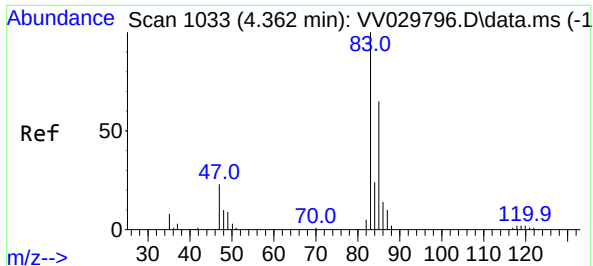
Tgt Ion: 43 Resp: 745776
Ion Ratio Lower Upper
43 100
72 12.7 13.9 41.6#



#22
cis-1,2-Dichloroethene
Concen: 19.578 ug/L
RT: 3.895 min Scan# 888
Delta R.T. -0.003 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

Tgt Ion: 96 Resp: 359228
Ion Ratio Lower Upper
96 100
61 120.2 80.0 148.6
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.182 ug/L

RT: 4.365 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029820.D

Acq: 13 Jan 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

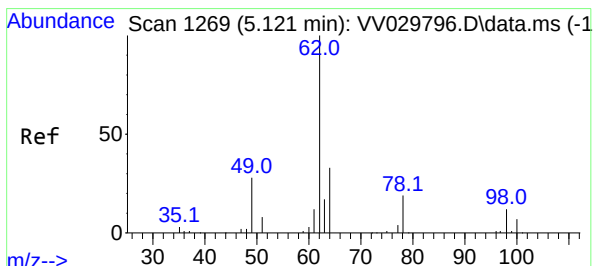
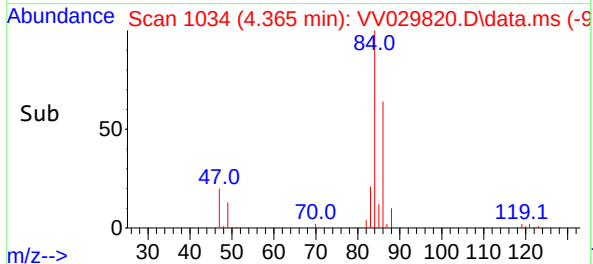
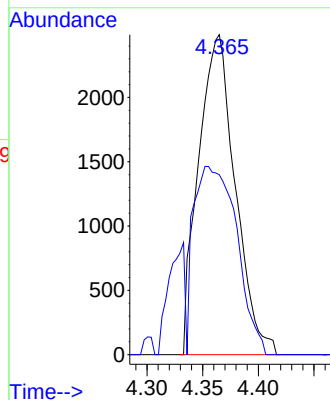
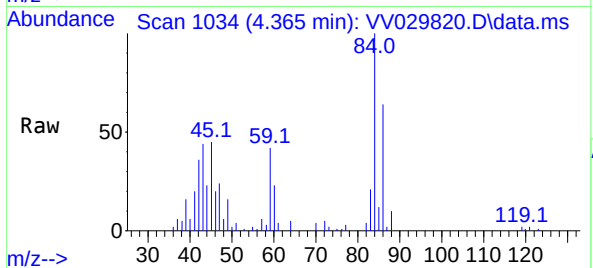
BH1Y3

Tgt Ion: 83 Resp: 5714

Ion Ratio Lower Upper

83 100

85 56.2 46.5 86.5



#27

1,2-Dichloroethane

Concen: 0.068 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.010 min

Lab File: VV029820.D

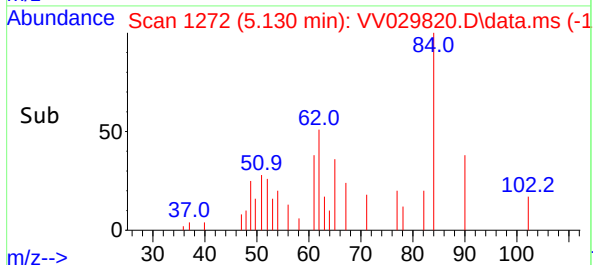
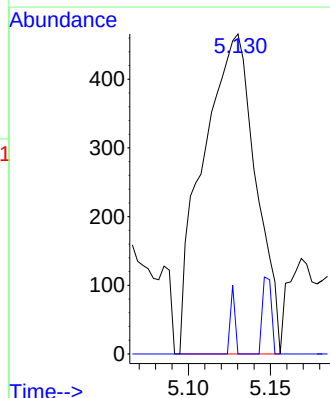
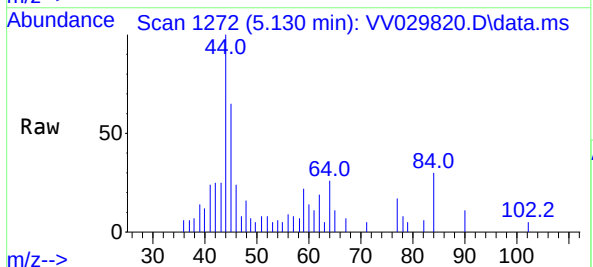
Acq: 13 Jan 2023 19:51

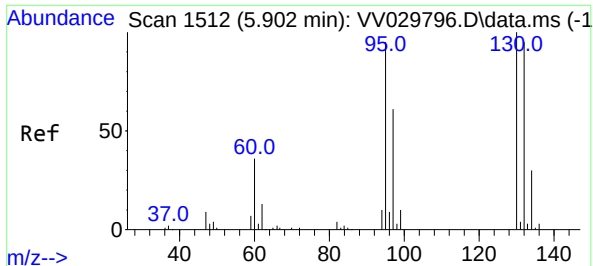
Tgt Ion: 62 Resp: 1040

Ion Ratio Lower Upper

62 100

98 0.0 8.9 13.3#



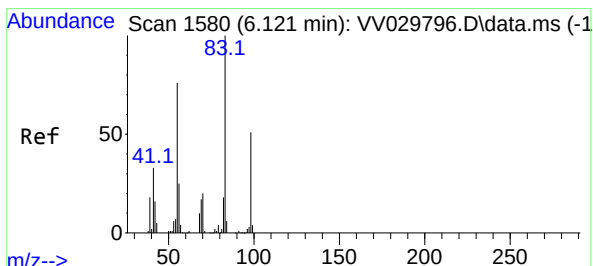
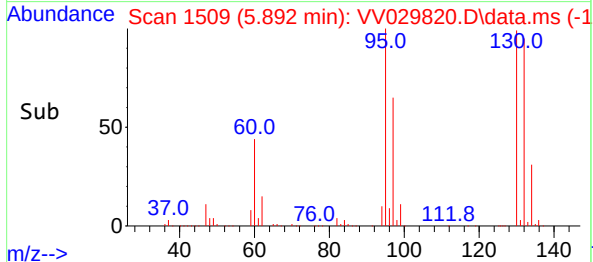
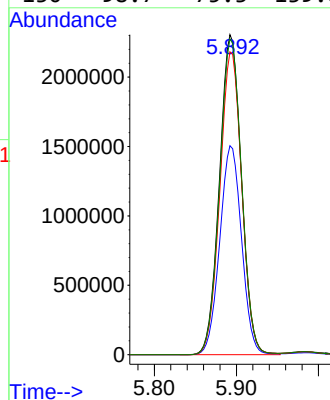
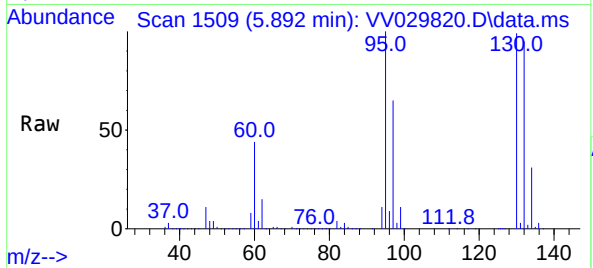


#34
Trichloroethene
Concen: 260.142 ug/L
RT: 5.892 min Scan# 11
Delta R.T. -0.013 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

Instrument :
MSVOA_V
ClientSampleId :
BH1Y3

Tgt Ion: 95 Resp: 4284051

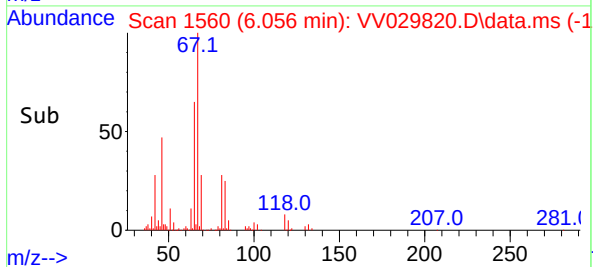
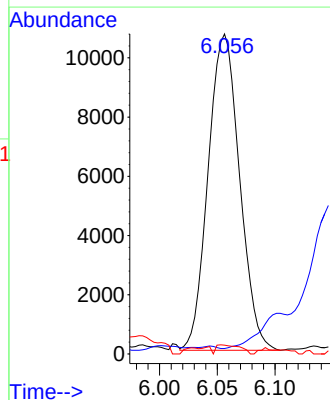
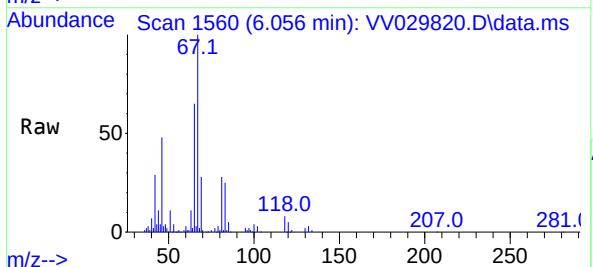
Ion	Ratio	Lower	Upper
95	100		
97	65.3	44.9	83.3
132	94.6	71.8	133.4
130	98.7	75.3	139.8

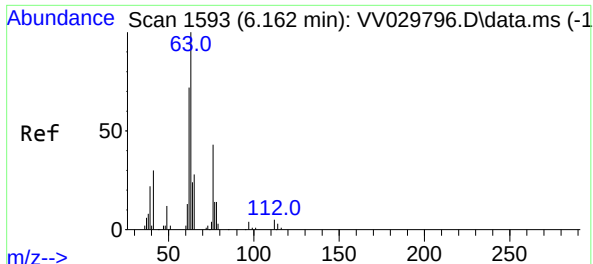


#35
Methylcyclohexane
Concen: 0.728 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.064 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

Tgt Ion: 83 Resp: 20248

Ion	Ratio	Lower	Upper
83	100		
55	9.9	57.3	85.9#
98	0.0	39.0	58.6#

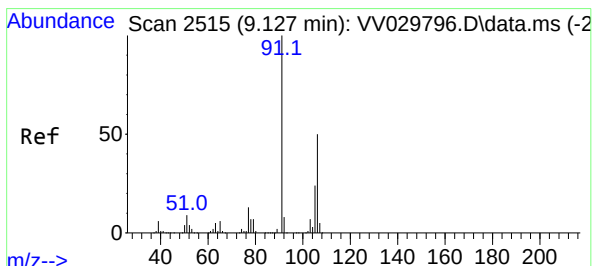
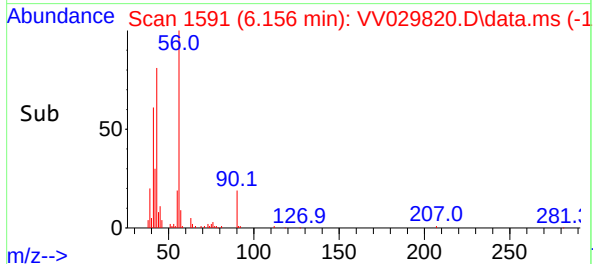
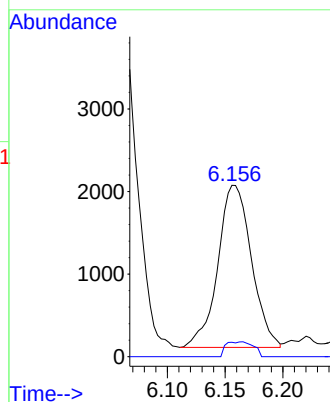
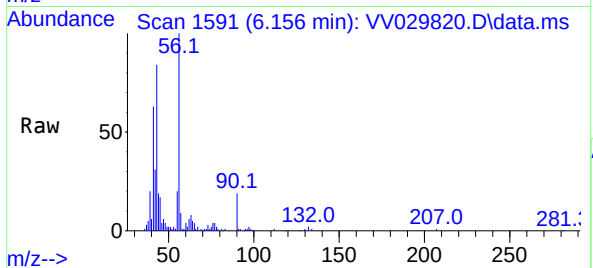




#37
1,2-Dichloropropane
Concen: 0.262 ug/L
RT: 6.156 min Scan# 11
Delta R.T. -0.007 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

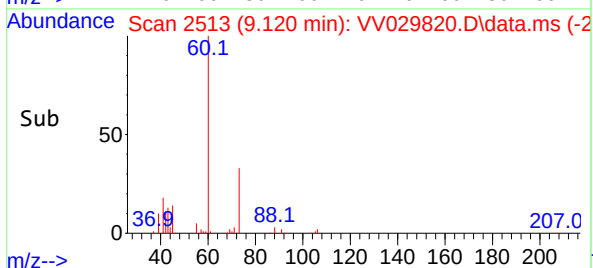
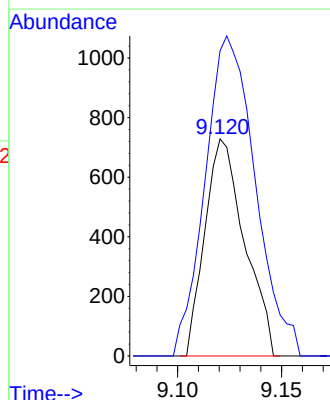
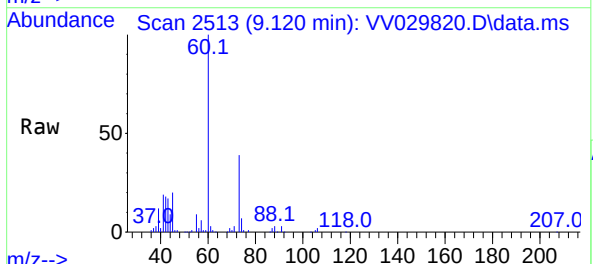
Instrument :
MSVOA_V
ClientSampleId :
BH1Y3

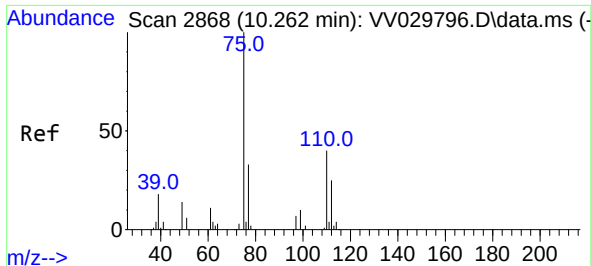
Tgt Ion: 63 Resp: 3986
Ion Ratio Lower Upper
63 100
112 7.5 3.9 5.9#



#53
m,p-Xylene
Concen: 0.033 ug/L
RT: 9.120 min Scan# 2513
Delta R.T. -0.010 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

Tgt Ion: 106 Resp: 966
Ion Ratio Lower Upper
106 100
91 140.7 138.7 257.7

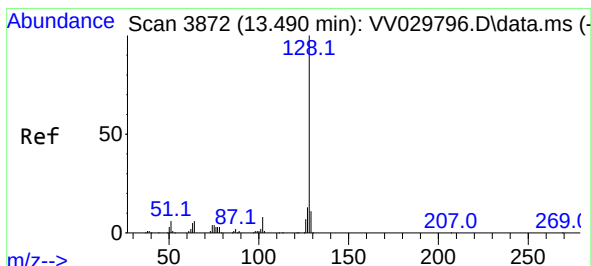
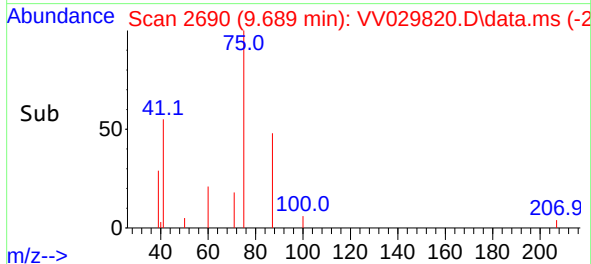
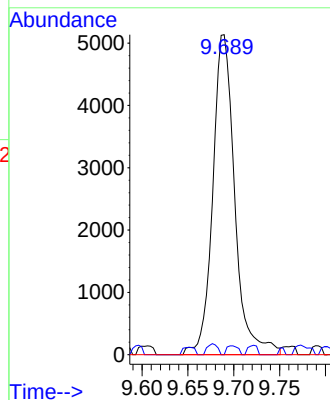
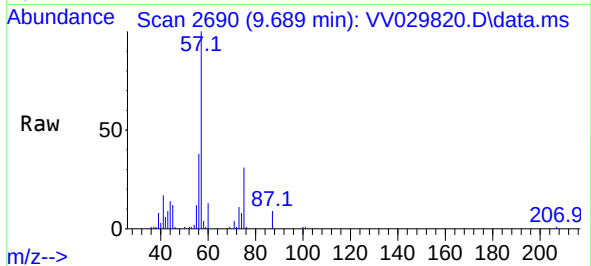




#61
1,2,3-Trichloropropane
Concen: 1.143 ug/L
RT: 9.689 min Scan# 20
Delta R.T. -0.572 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

Instrument :
MSVOA_V
ClientSampleId :
BH1Y3

Tgt Ion: 75 Resp: 8574
Ion Ratio Lower Upper
75 100
77 1.6 26.5 39.7#
110 0.0 31.8 47.8#



#71
Naphthalene
Concen: 0.066 ug/L
RT: 13.496 min Scan# 3874
Delta R.T. 0.006 min
Lab File: VV029820.D
Acq: 13 Jan 2023 19:51

Tgt Ion: 128 Resp: 1759
Ion Ratio Lower Upper
128 100
129 0.0 8.6 12.8#
127 20.7 10.0 15.0#

