

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029814.D
 Acq On : 13 Jan 2023 17:29
 Operator : SY/MD
 Sample : 01138-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1X1

Quant Time: Jan 13 22:52:35 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	197650	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	191591	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	99841	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	71568	4.774	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.400%
7) Chloroethane-d5	1.564	69	65903	5.303	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.000%
11) 1,1-Dichloroethene-d2	2.105	63	100941	3.694	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.800%
20) 2-Butanone-d5	3.886	46	139427	52.473	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.940%
24) Chloroform-d	4.339	84	144035	5.238	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.800%
26) 1,2-Dichloroethane-d4	5.024	65	64613	5.548	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.000%
32) Benzene-d6	5.043	84	295209	5.194	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
36) 1,2-Dichloropropane-d6	6.063	67	93241	5.606	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.200%
41) Toluene-d8	7.307	98	259745	4.937	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	7.616	79	27721	4.563	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.085	63	129978	52.558	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.120%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	68039	5.582	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.600%
66) 1,2-Dichlorobenzene-d4	11.612	152	101378	5.585	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.800%
Target Compounds						
3) Chloromethane	1.240	50	1881	0.097	ug/L	91
5) Vinyl chloride	1.307	62	834	0.044	ug/L #	1
12) 1,1-Dichloroethene	2.117	96	9452	0.560	ug/L #	1
14) Carbon disulfide	2.294	76	3143	0.065	ug/L #	92
17) Methyl tert-butyl Ether	2.764	73	278826	9.555	ug/L	99
19) 1,1-Dichloroethane	3.182	63	7784	0.297	ug/L	97
22) cis-1,2-Dichloroethene	3.915	96	2179	0.130	ug/L	93
25) Chloroform	4.368	83	4316	0.151	ug/L	84
29) 1,1,1-Trichloroethane	4.603	97	4711	0.189	ug/L	98
34) Trichloroethene	5.905	95	101367	6.314	ug/L	97
35) Methylcyclohexane	6.059	83	22413	0.827	ug/L #	20
39) cis-1,3-Dichloropropene	6.979	75	1877	0.094	ug/L #	69
42) Toluene	7.384	91	20852	0.305	ug/L	98
47) Tetrachloroethene	7.969	164	1324	0.098	ug/L	86
49) Dibromochloromethane	7.966	129	1214	0.097	ug/L #	11
53) m,p-Xylene	9.133	106	2096	0.074	ug/L	99
55) Styrene	9.558	104	4813	0.104	ug/L	89
61) 1,2,3-Trichloropropane	11.236	75	11614	1.571	ug/L #	64

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QLast Update : Thu Jan 12 22:05:54 2023
Response via : Initial Calibration

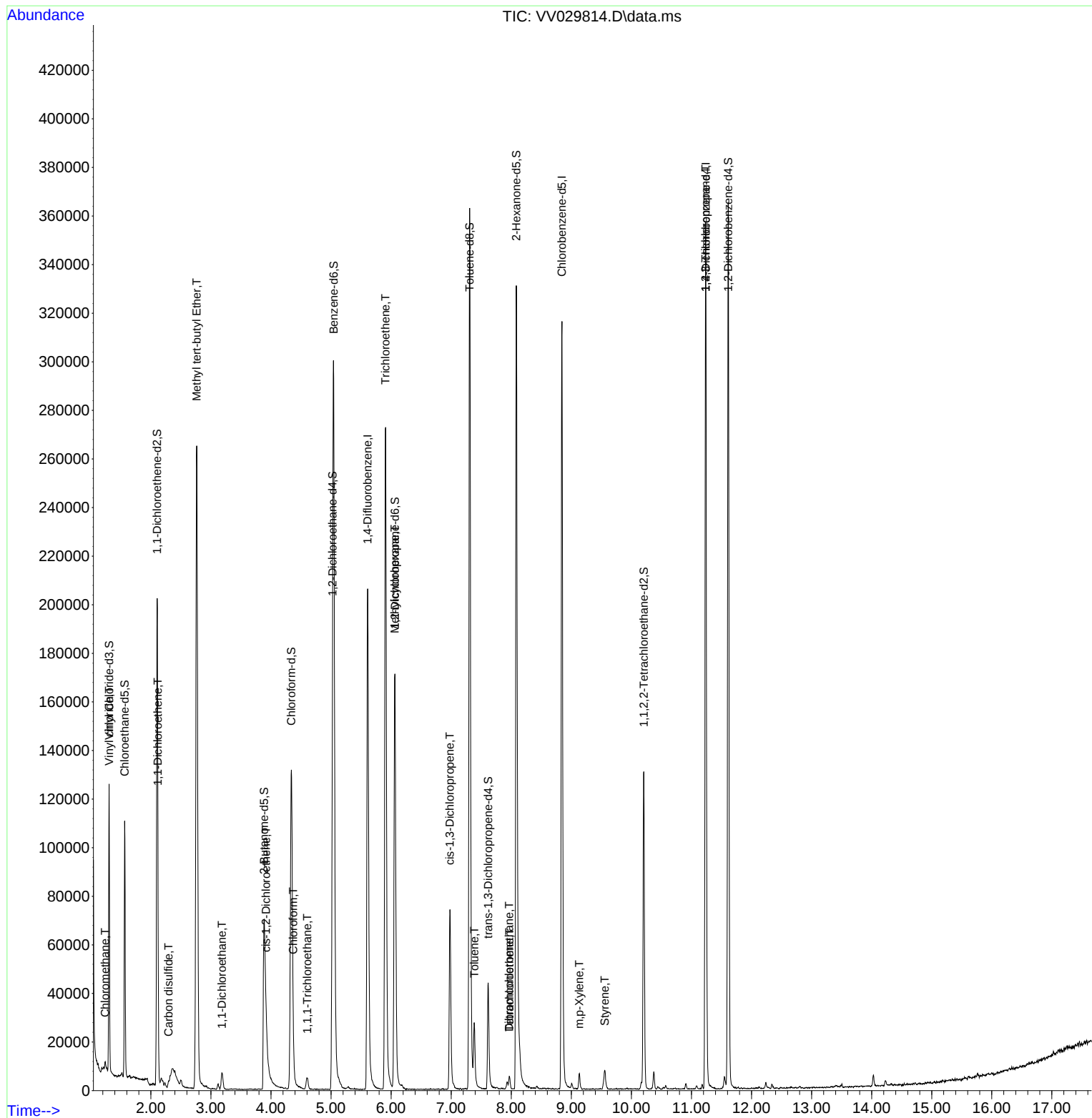
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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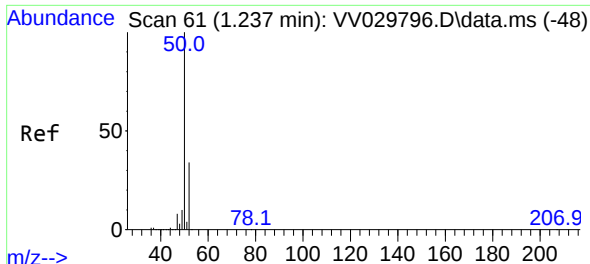
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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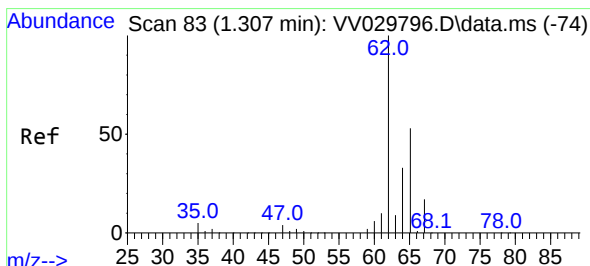
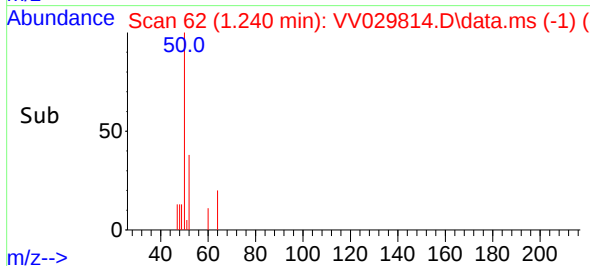
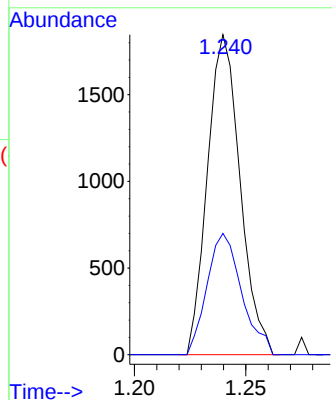
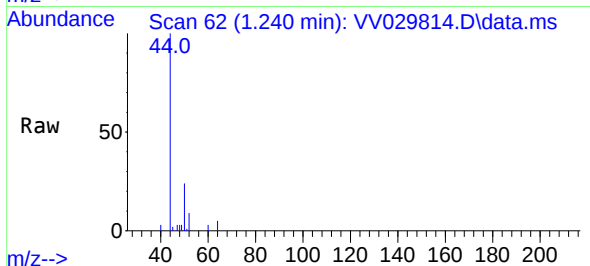




#3
Chloromethane
Concen: 0.097 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029814.D
Acq: 13 Jan 2023 17:29

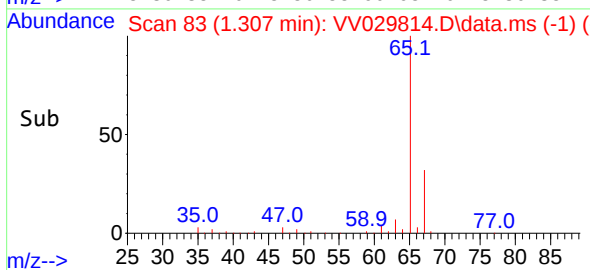
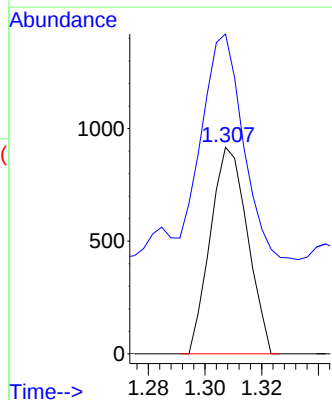
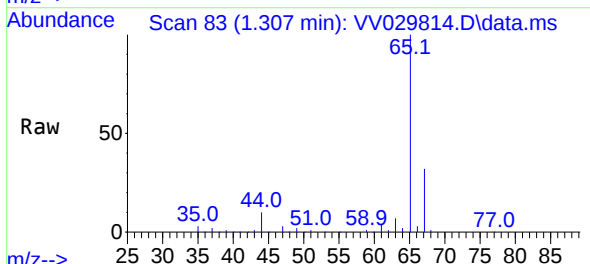
Instrument :
MSVOA_V
ClientSampleId :
BH1X1

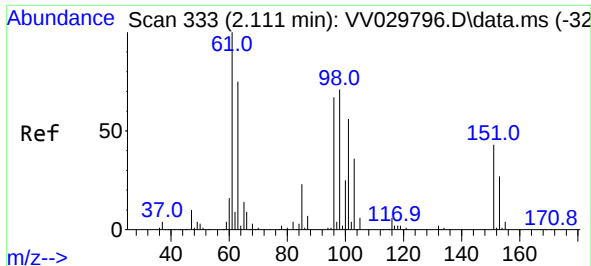
Tgt Ion: 50 Resp: 1881
Ion Ratio Lower Upper
50 100
52 37.9 23.1 42.9



#5
Vinyl chloride
Concen: 0.044 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV029814.D
Acq: 13 Jan 2023 17:29

Tgt Ion: 62 Resp: 834
Ion Ratio Lower Upper
62 100
64 154.9 23.2 43.2#





#12

1,1-Dichloroethene

Concen: 0.560 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV029814.D

Acq: 13 Jan 2023 17:29

Instrument :

MSVOA_V

ClientSampleId :

BH1X1

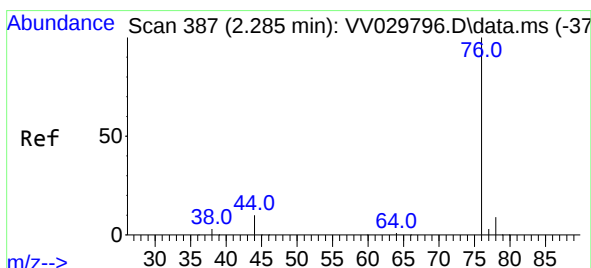
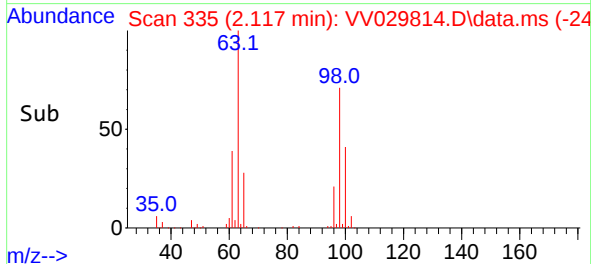
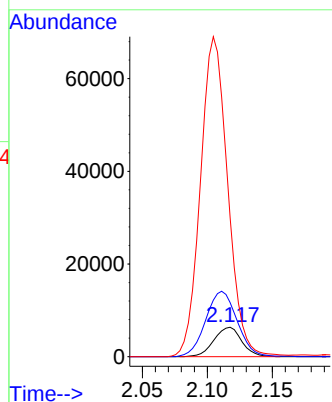
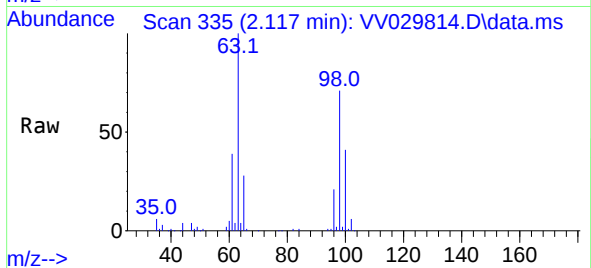
Tgt Ion: 96 Resp: 9452

Ion Ratio Lower Upper

96 100

61 184.1 106.1 197.1

63 473.9 76.4 141.8#



#14

Carbon disulfide

Concen: 0.065 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.010 min

Lab File: VV029814.D

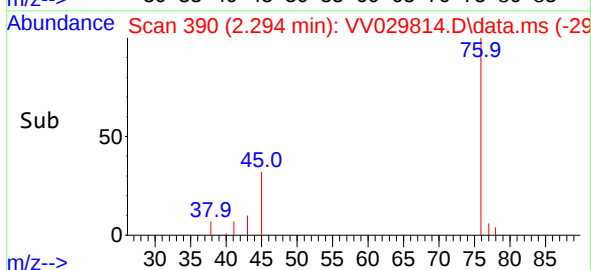
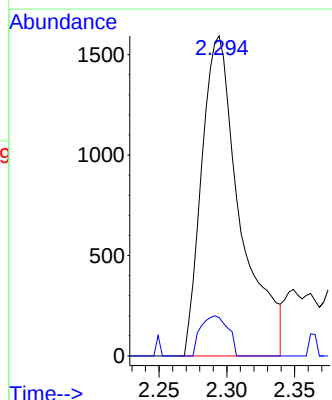
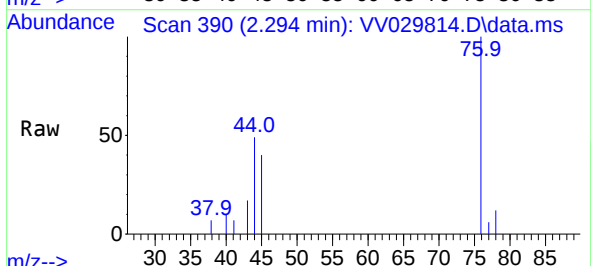
Acq: 13 Jan 2023 17:29

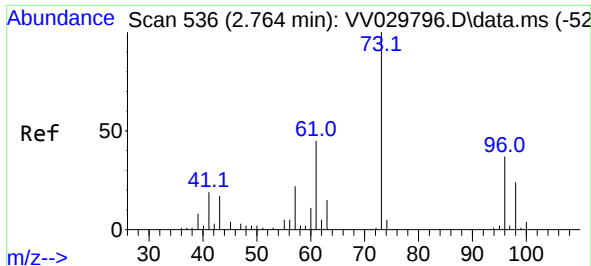
Tgt Ion: 76 Resp: 3143

Ion Ratio Lower Upper

76 100

78 12.0 7.4 11.0#

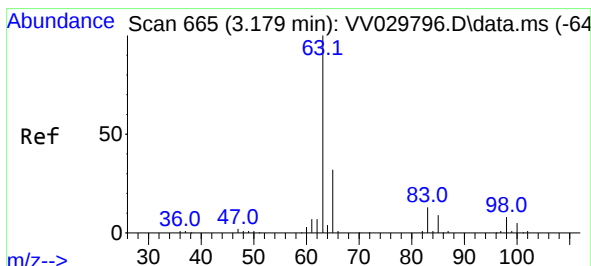
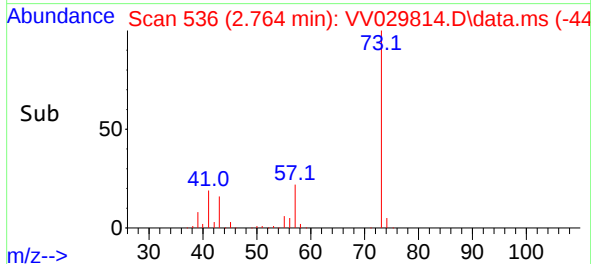
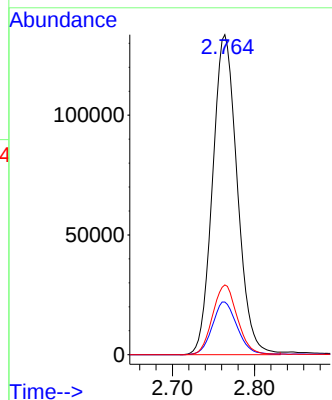
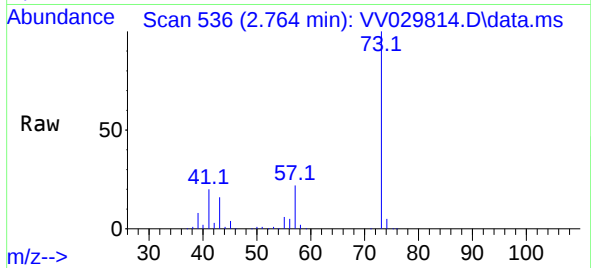




#17
Methyl tert-butyl Ether
Concen: 9.555 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029814.D
Acq: 13 Jan 2023 17:29

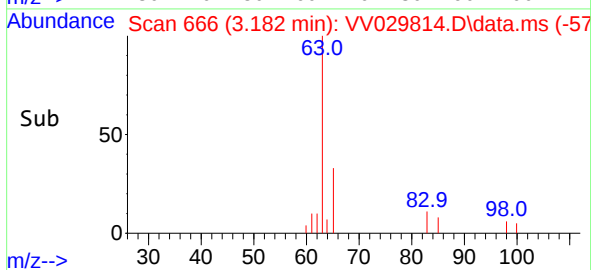
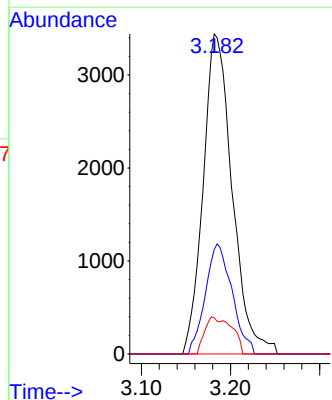
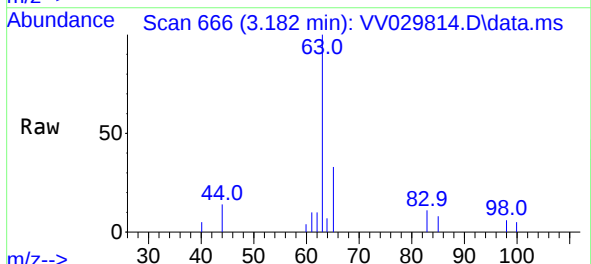
Instrument :
MSVOA_V
ClientSampleId :
BH1X1

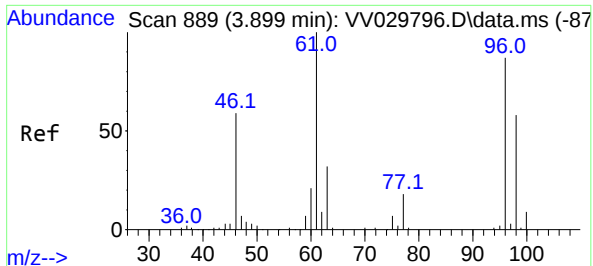
Tgt Ion: 73 Resp: 278826
Ion Ratio Lower Upper
73 100
43 16.7 13.0 19.4
57 22.0 17.1 25.7



#19
1,1-Dichloroethane
Concen: 0.297 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.003 min
Lab File: VV029814.D
Acq: 13 Jan 2023 17:29

Tgt Ion: 63 Resp: 7784
Ion Ratio Lower Upper
63 100
65 32.7 22.4 41.6
83 11.3 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 0.130 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.016 min

Lab File: VV029814.D

Acq: 13 Jan 2023 17:29

Instrument :

MSVOA_V

ClientSampleId :

BH1X1

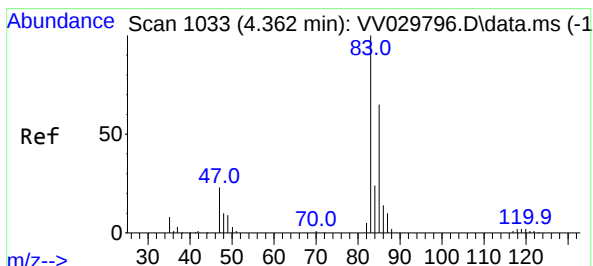
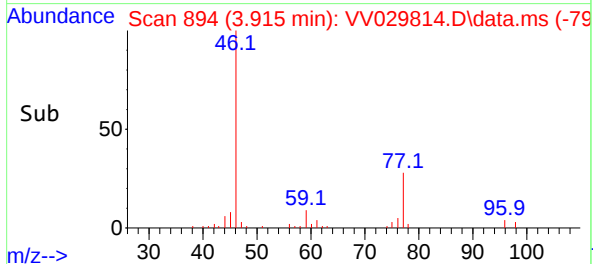
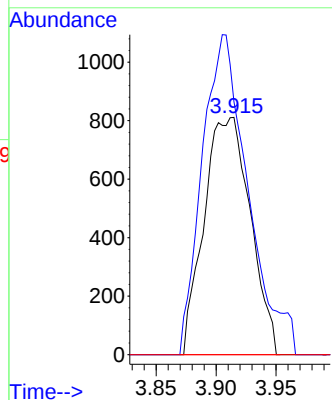
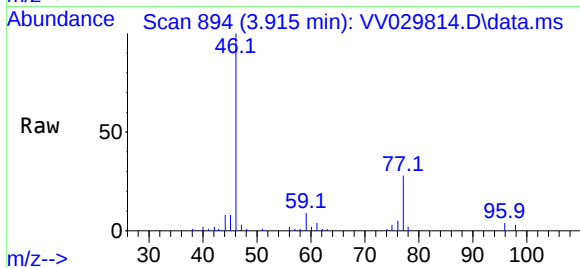
Tgt Ion: 96 Resp: 2179

Ion Ratio Lower Upper

96 100

61 106.7 80.0 148.6

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.151 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VV029814.D

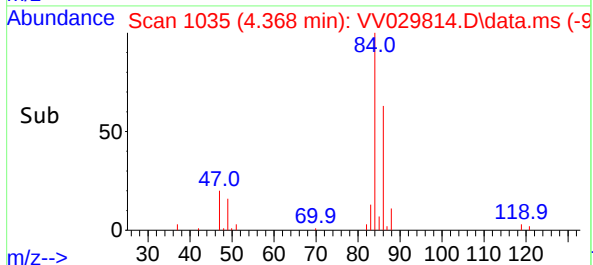
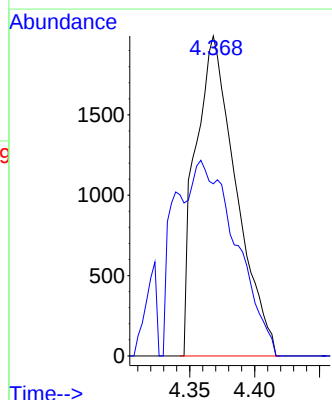
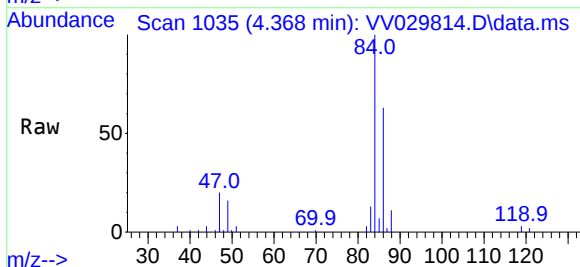
Acq: 13 Jan 2023 17:29

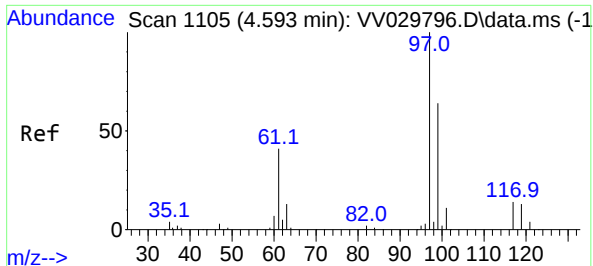
Tgt Ion: 83 Resp: 4316

Ion Ratio Lower Upper

83 100

85 53.8 46.5 86.5





#29

1,1,1-Trichloroethane

Concen: 0.189 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.006 min

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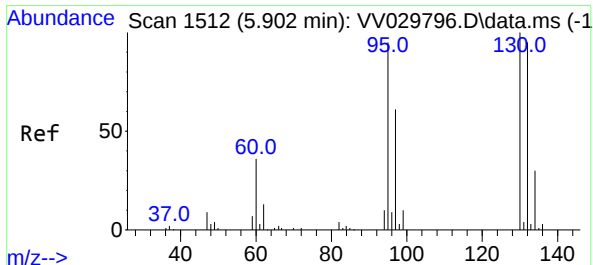
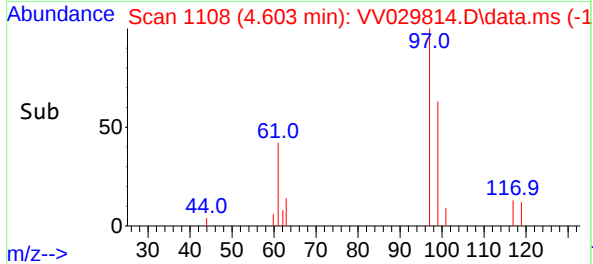
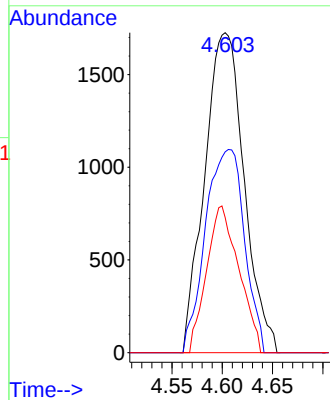
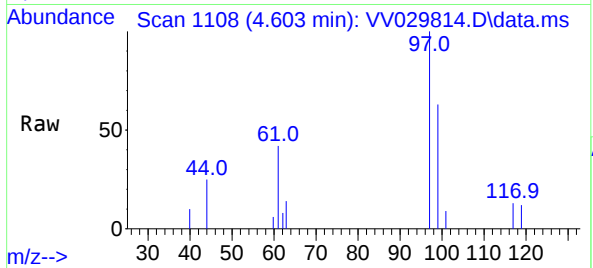
Tgt Ion: 97 Resp: 4711

Ion Ratio Lower Upper

97 100

99 62.7 51.3 76.9

61 37.5 31.6 47.4



#34

Trichloroethene

Concen: 6.314 ug/L

RT: 5.905 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VV029814.D

Acq: 13 Jan 2023 17:29

Tgt Ion: 95 Resp: 101367

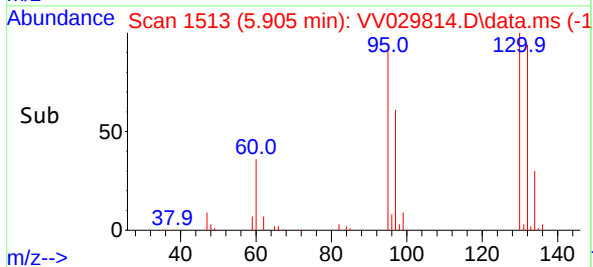
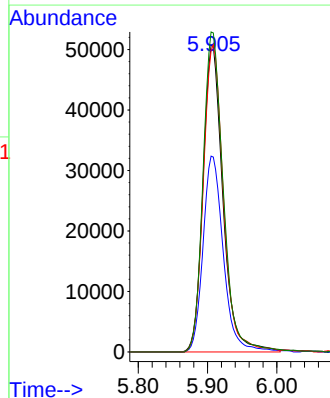
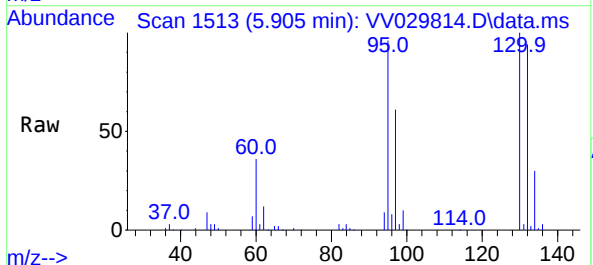
Ion Ratio Lower Upper

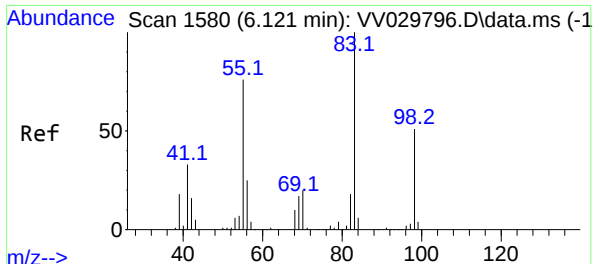
95 100

97 63.8 44.9 83.3

132 98.2 71.8 133.4

130 104.3 75.3 139.8





#35

Methylcyclohexane

Concen: 0.827 ug/L

RT: 6.059 min Scan# 11

Delta R.T. -0.061 min

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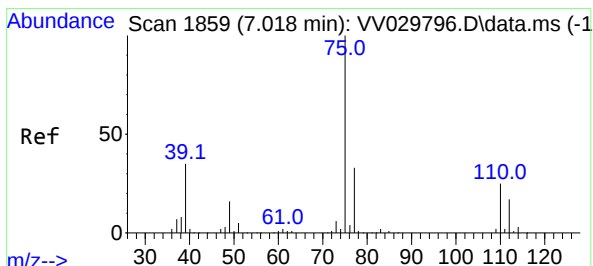
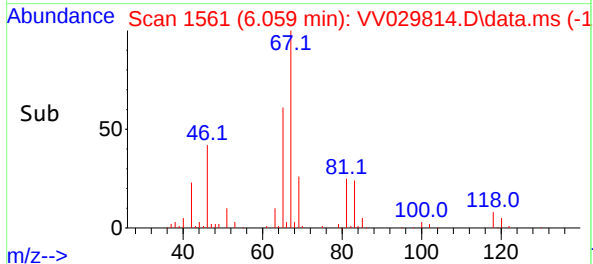
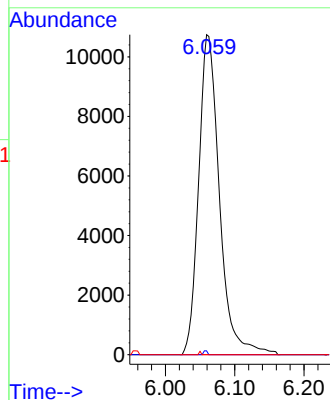
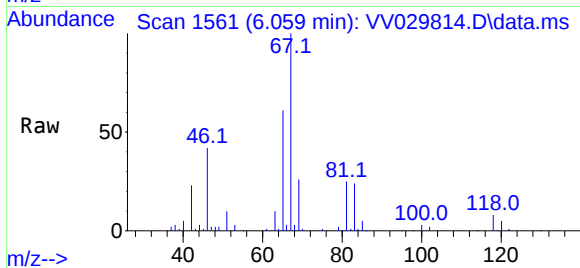
Tgt Ion: 83 Resp: 22413

Ion Ratio Lower Upper

83 100

55 0.2 57.3 85.9#

98 0.0 39.0 58.6#



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 6.979 min Scan# 1847

Delta R.T. -0.039 min

Lab File: VV029814.D

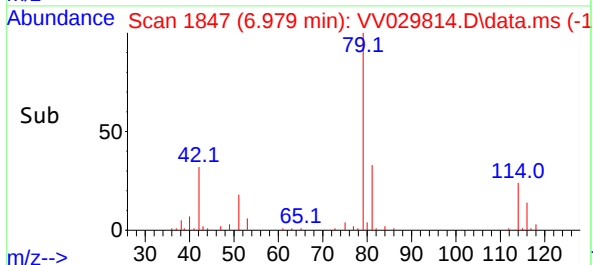
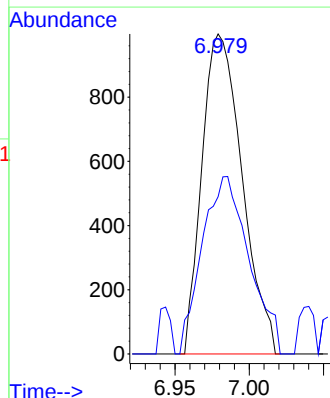
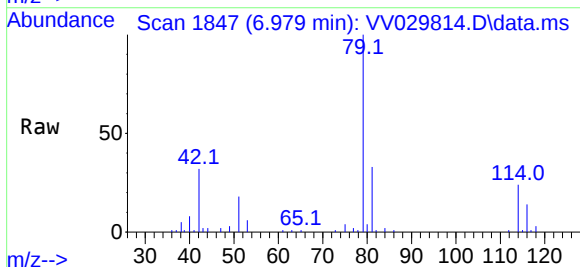
Acq: 13 Jan 2023 17:29

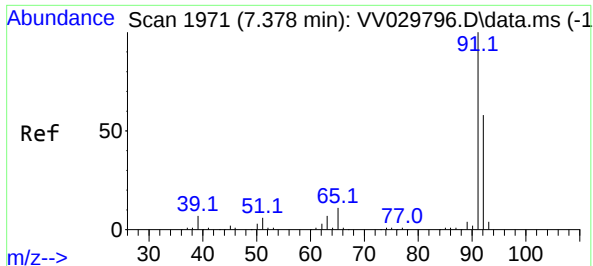
Tgt Ion: 75 Resp: 1877

Ion Ratio Lower Upper

75 100

77 49.1 22.4 41.6#





#42

Toluene

Concen: 0.305 ug/L

RT: 7.384 min Scan# 1971

Delta R.T. 0.006 min

Lab File: VV029814.D

Acq: 13 Jan 2023 17:29

Instrument :

MSVOA_V

ClientSampleId :

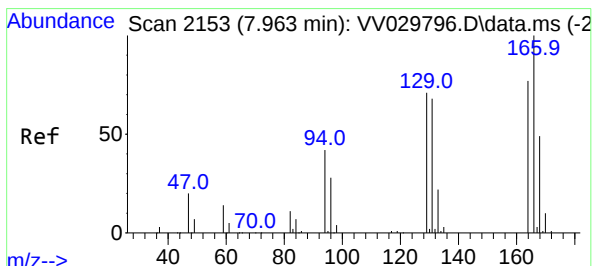
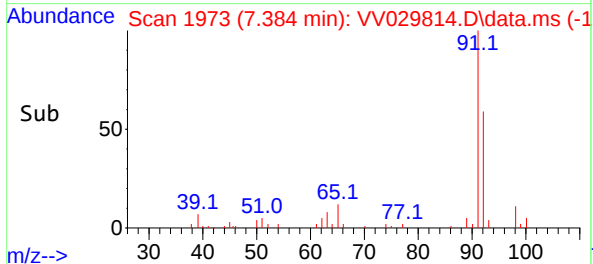
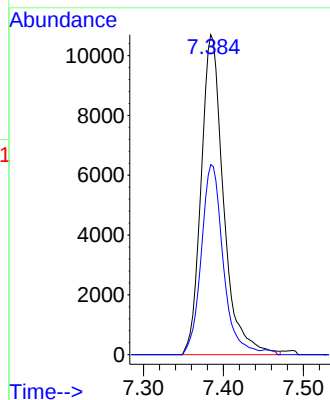
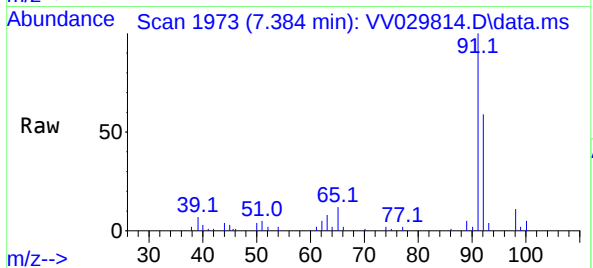
BH1X1

Tgt Ion: 91 Resp: 20852

Ion Ratio Lower Upper

91 100

92 59.4 40.6 75.4



#47

Tetrachloroethene

Concen: 0.098 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

Lab File: VV029814.D

Acq: 13 Jan 2023 17:29

Tgt Ion: 164 Resp: 1324

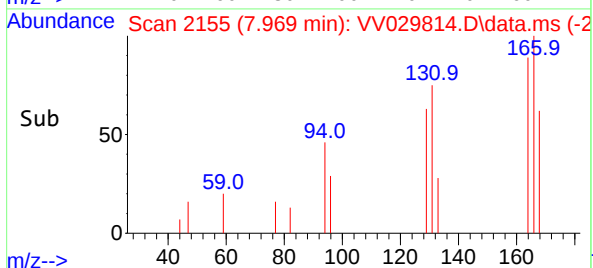
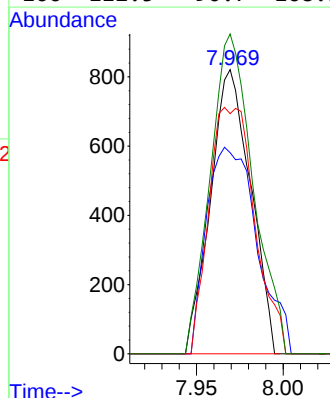
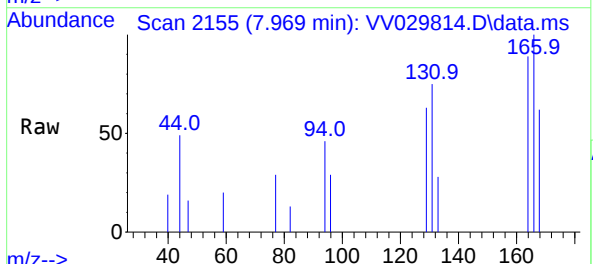
Ion Ratio Lower Upper

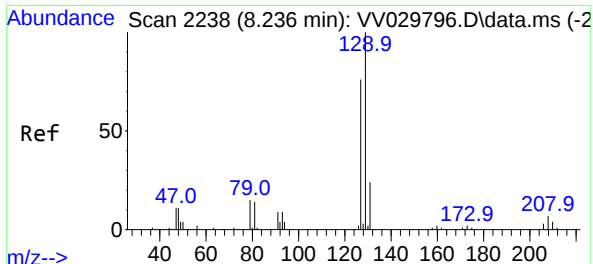
164 100

129 70.8 64.5 119.7

131 84.5 62.9 116.7

166 112.5 90.7 168.5





#49

Dibromochloromethane

Concen: 0.097 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.270 min

Lab File: VV029814.D

Acq: 13 Jan 2023 17:29

Instrument :

MSVOA_V

ClientSampleId :

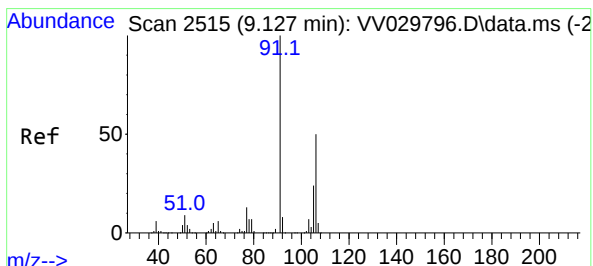
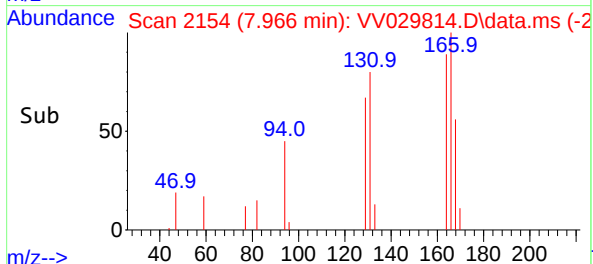
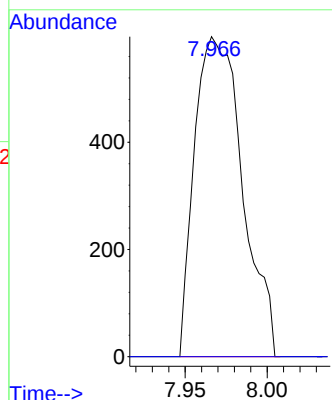
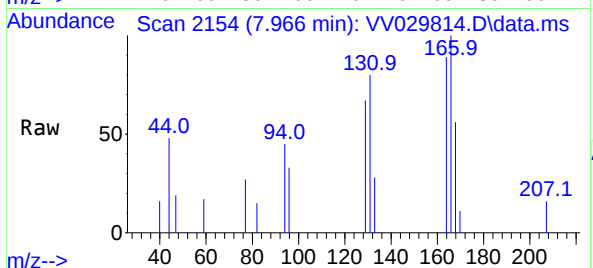
BH1X1

Tgt Ion:129 Resp: 1214

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#53

m,p-Xylene

Concen: 0.074 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV029814.D

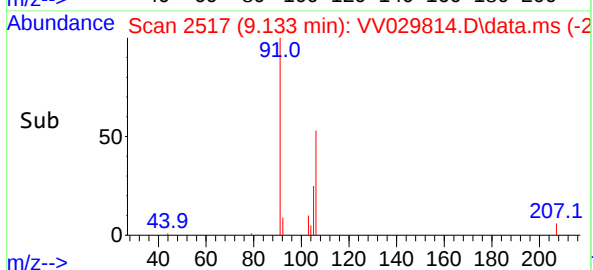
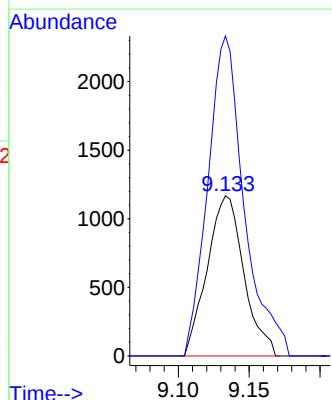
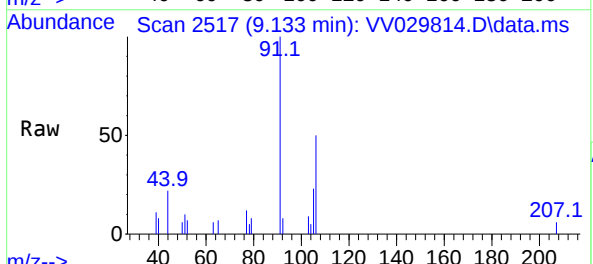
Acq: 13 Jan 2023 17:29

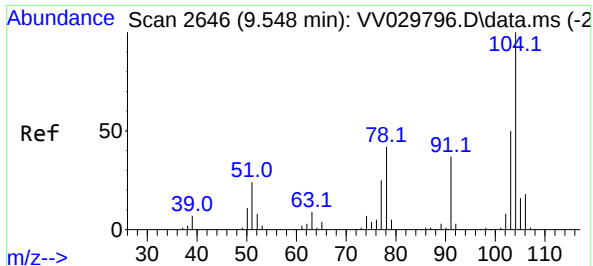
Tgt Ion:106 Resp: 2096

Ion Ratio Lower Upper

106 100

91 199.7 138.7 257.7

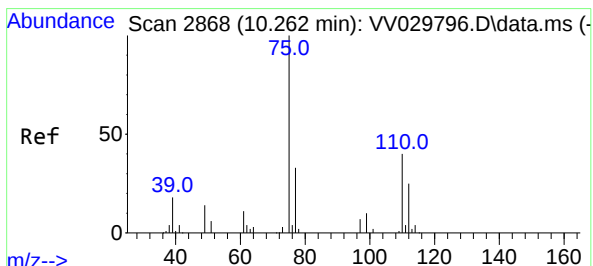
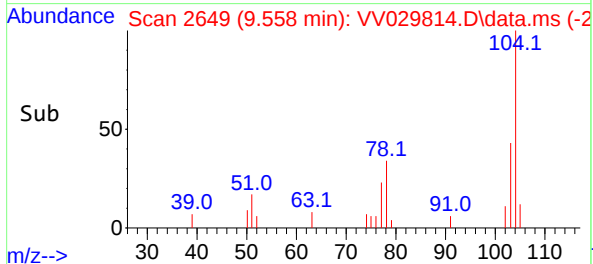
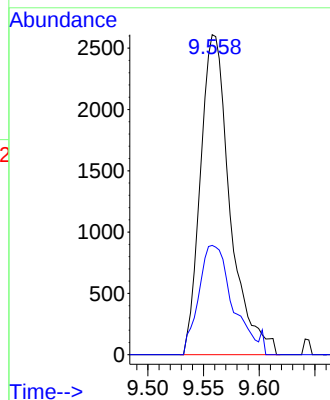
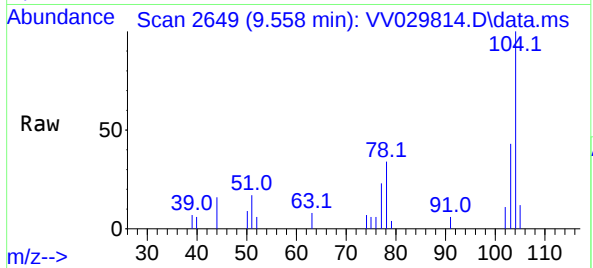




#55
Styrene
Concen: 0.104 ug/L
RT: 9.558 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV029814.D
Acq: 13 Jan 2023 17:29

Instrument :
MSVOA_V
ClientSampleId :
BH1X1

Tgt Ion:104 Resp: 4813
Ion Ratio Lower Upper
104 100
78 34.1 28.6 53.2



#61
1,2,3-Trichloropropane
Concen: 1.571 ug/L
RT: 11.236 min Scan# 3171
Delta R.T. 0.974 min
Lab File: VV029814.D
Acq: 13 Jan 2023 17:29

Tgt Ion: 75 Resp: 11614
Ion Ratio Lower Upper
75 100
77 29.6 26.5 39.7
110 1.9 31.8 47.8#

