

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029861.D
 Acq On : 14 Jan 2023 16:00
 Operator : SY/MD
 Sample : 01138-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1X3

Quant Time: Jan 16 00:41:18 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	194384	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	189312	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	98020	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	68275	4.631	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.600%
7) Chloroethane-d5	1.564	69	63988	5.236	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.800%
11) 1,1-Dichloroethene-d2	2.105	63	98322	3.658	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.200%
20) 2-Butanone-d5	3.889	46	146488	56.056	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.120%
24) Chloroform-d	4.339	84	143379	5.301	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.000%
26) 1,2-Dichloroethane-d4	5.024	65	63895	5.578	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.600%
32) Benzene-d6	5.040	84	295427	5.261	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.200%
36) 1,2-Dichloropropane-d6	6.063	67	91874	5.590	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.800%
41) Toluene-d8	7.307	98	250842	4.825	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	7.616	79	27028	4.503	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.085	63	130194	53.279	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.560%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	66584	5.528	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.600%
66) 1,2-Dichlorobenzene-d4	11.612	152	97649	5.480	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1348	0.071	ug/L	96
5) Vinyl chloride	1.307	62	809	0.043	ug/L #	1
6) Bromomethane	1.519	94	448	0.049	ug/L	90
12) 1,1-Dichloroethene	2.114	96	9574	0.577	ug/L #	1
17) Methyl tert-butyl Ether	2.764	73	280537	9.775	ug/L	99
19) 1,1-Dichloroethane	3.185	63	7772	0.301	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	2464	0.150	ug/L	89
25) Chloroform	4.365	83	5072	0.181	ug/L	98
27) 1,2-Dichloroethane	5.040	62	1155	0.085	ug/L #	71
29) 1,1,1-Trichloroethane	4.600	97	5027	0.205	ug/L	100
34) Trichloroethene	5.905	95	102554	6.465	ug/L	95
35) Methylcyclohexane	6.059	83	21864	0.816	ug/L #	21
42) Toluene	7.384	91	20246	0.300	ug/L	98
47) Tetrachloroethene	7.966	164	1379	0.103	ug/L	87
49) Dibromochloromethane	7.969	129	1359	0.110	ug/L #	11
53) m,p-Xylene	9.133	106	2057	0.074	ug/L	87
55) Styrene	9.561	104	4459	0.098	ug/L	94
61) 1,2,3-Trichloropropane	11.236	75	10441	1.439	ug/L #	65

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

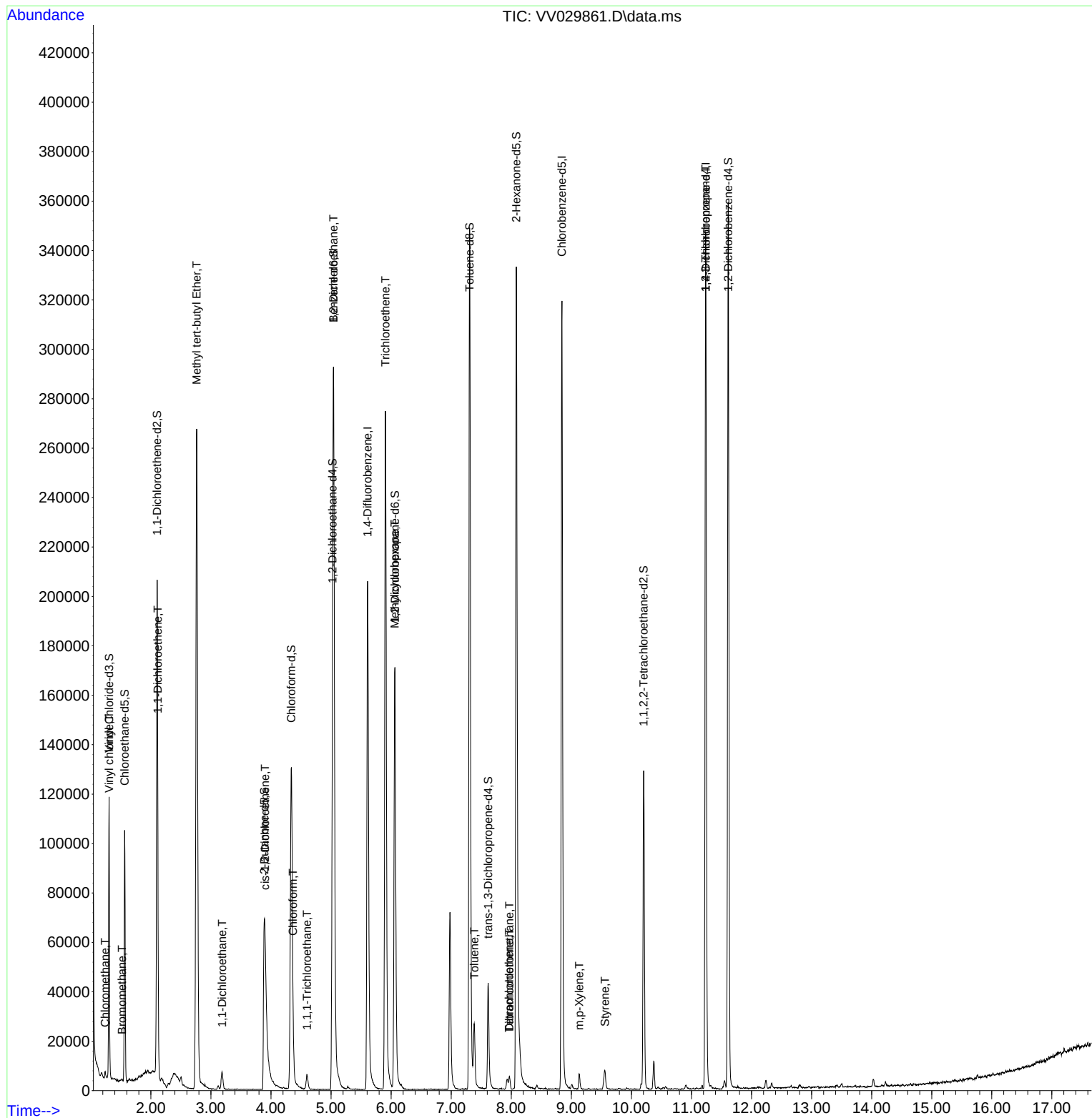
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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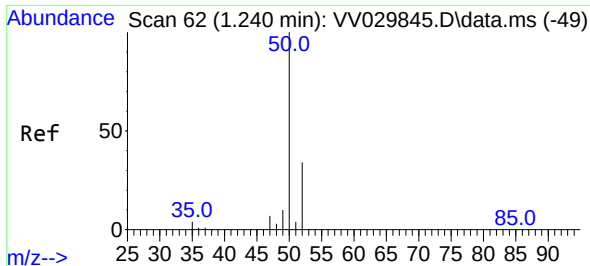
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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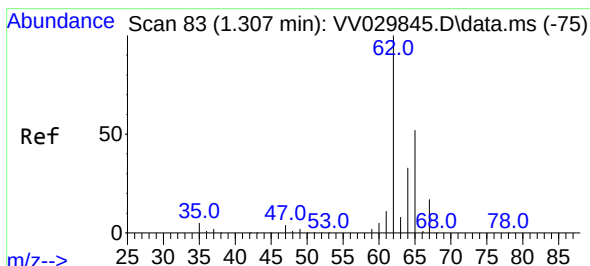
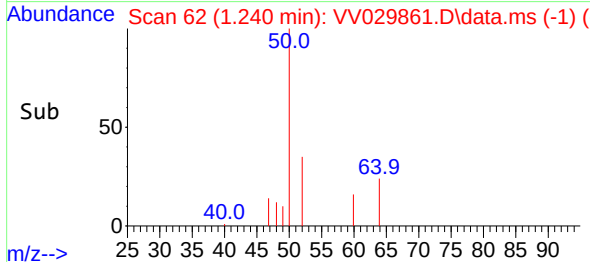
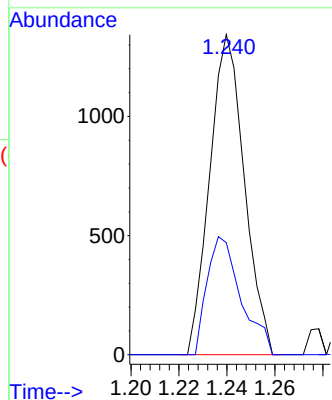
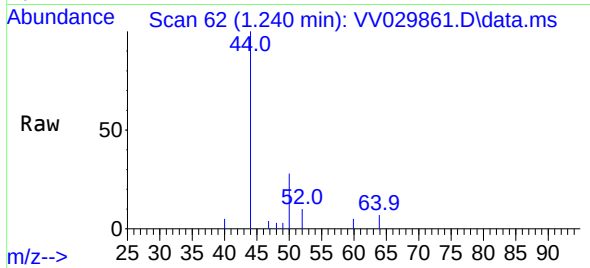




#3
Chloromethane
Concen: 0.071 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

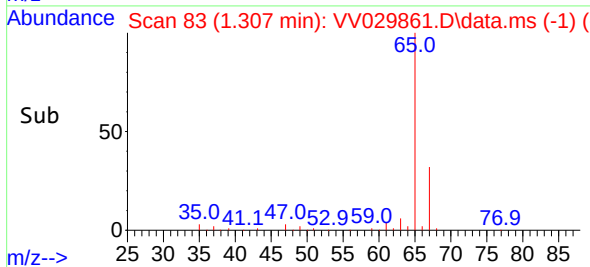
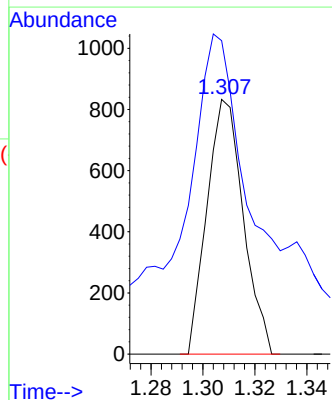
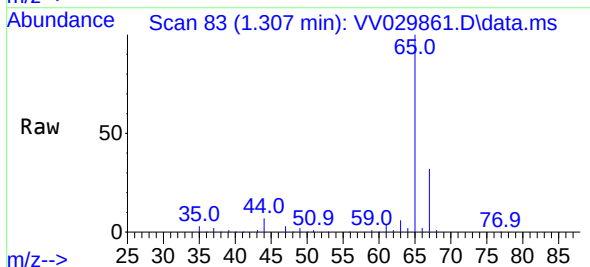
Instrument :
MSVOA_V
ClientSampleId :
BH1X3

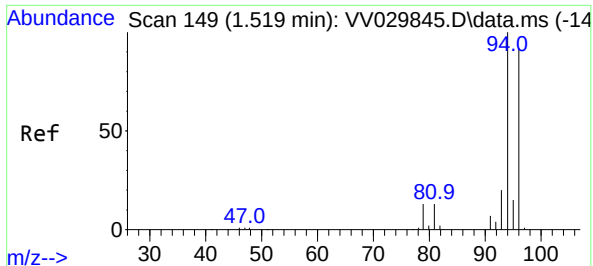
Tgt Ion: 50 Resp: 1348
Ion Ratio Lower Upper
50 100
52 35.0 23.1 42.9



#5
Vinyl chloride
Concen: 0.043 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

Tgt Ion: 62 Resp: 809
Ion Ratio Lower Upper
62 100
64 123.0 23.2 43.2#

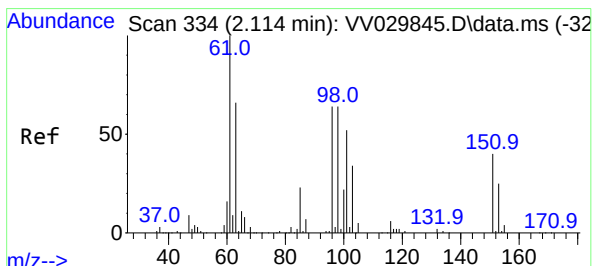
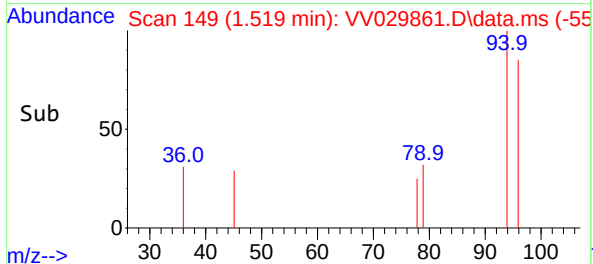
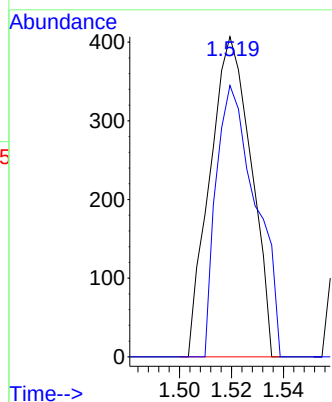
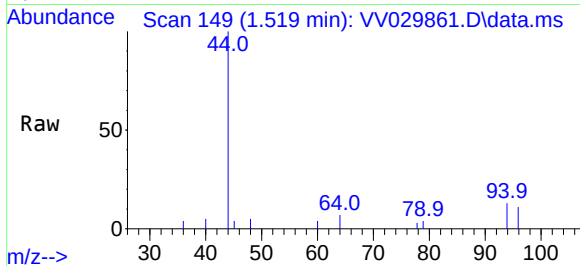




#6
Bromomethane
Concen: 0.049 ug/L
RT: 1.519 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

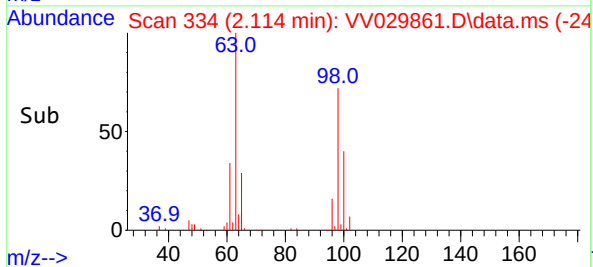
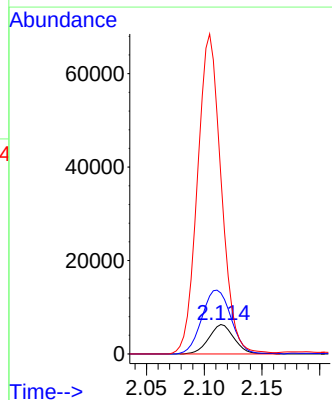
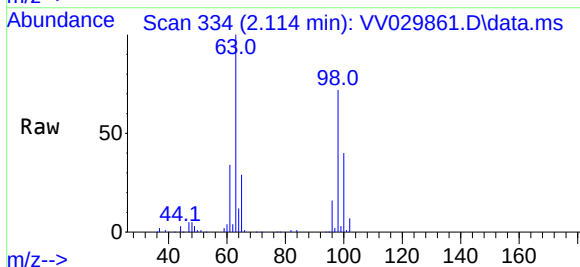
Instrument :
MSVOA_V
ClientSampleId :
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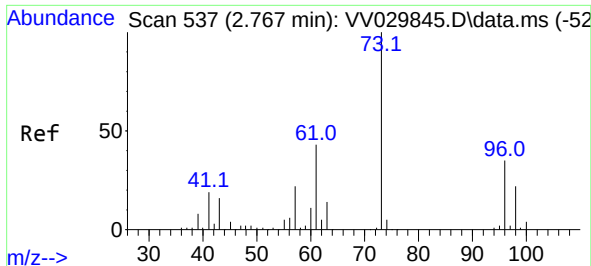
Tgt Ion: 94 Resp: 448
Ion Ratio Lower Upper
94 100
96 84.8 65.9 122.5



#12
1,1-Dichloroethene
Concen: 0.577 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.003 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

Tgt Ion: 96 Resp: 9574
Ion Ratio Lower Upper
96 100
61 207.3 106.1 197.1#
63 606.1 76.4 141.8#

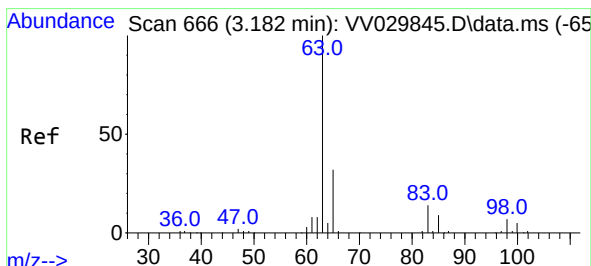
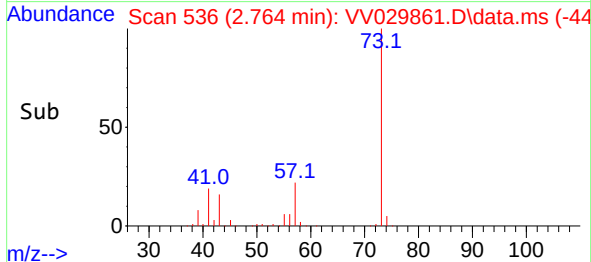
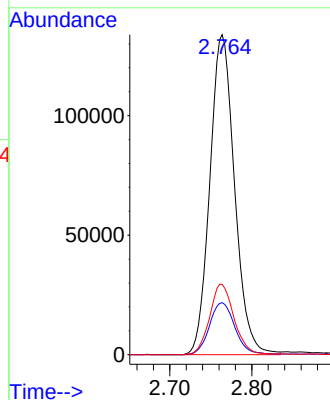
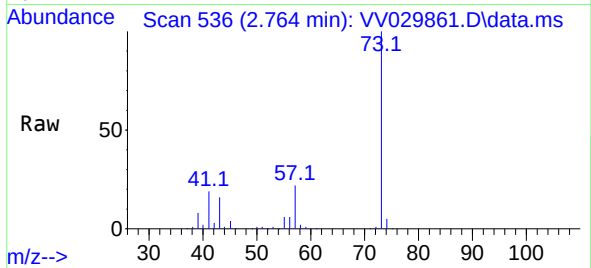




#17
Methyl tert-butyl Ether
Concen: 9.775 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

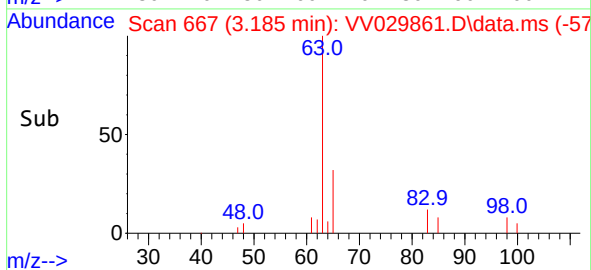
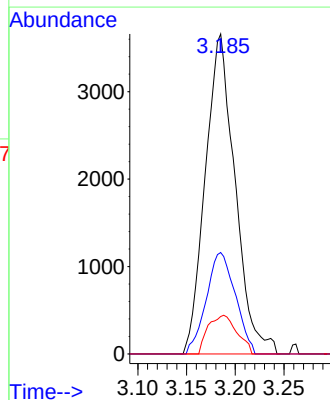
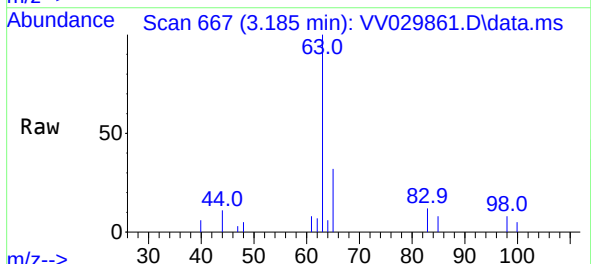
Instrument :
MSVOA_V
ClientSampleId :
BH1X3

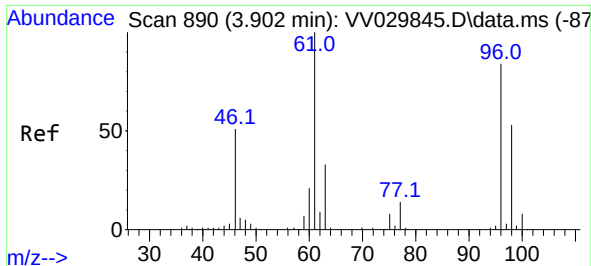
Tgt Ion: 73 Resp: 280537
Ion Ratio Lower Upper
73 100
43 16.9 13.0 19.4
57 21.9 17.1 25.7



#19
1,1-Dichloroethane
Concen: 0.301 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.006 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

Tgt Ion: 63 Resp: 7772
Ion Ratio Lower Upper
63 100
65 31.7 22.4 41.6
83 11.7 10.2 19.0

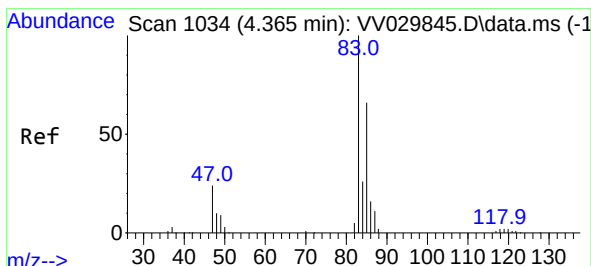
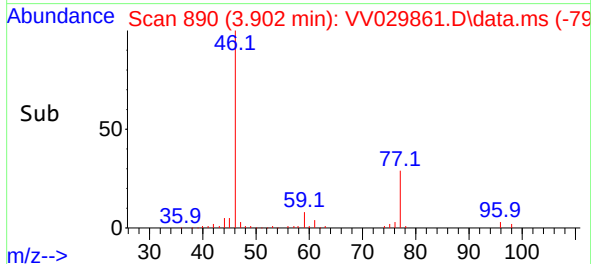
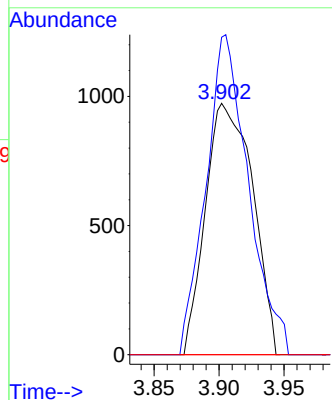
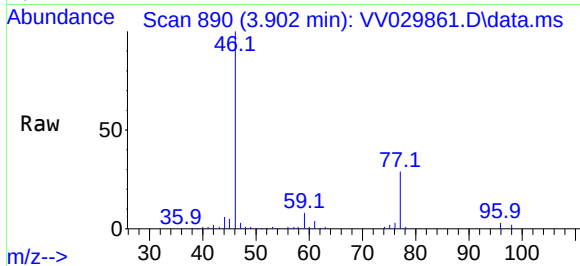




#22
cis-1,2-Dichloroethene
Concen: 0.150 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.003 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

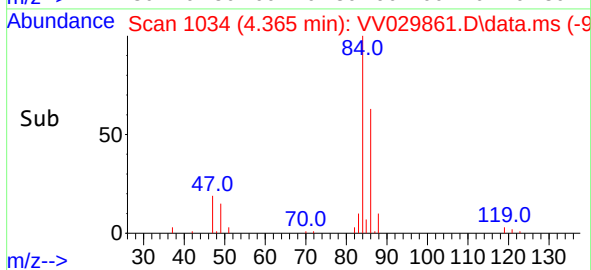
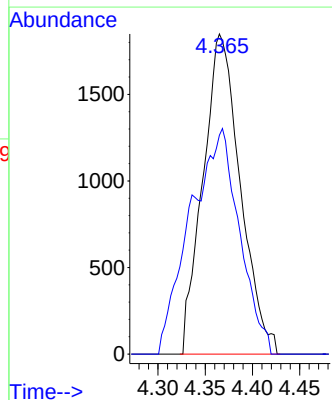
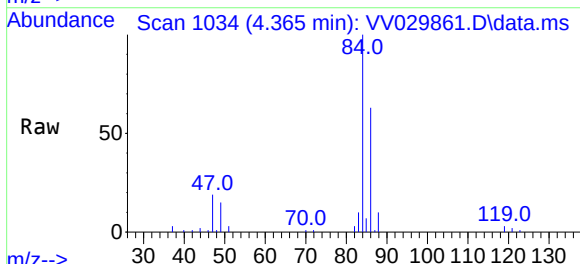
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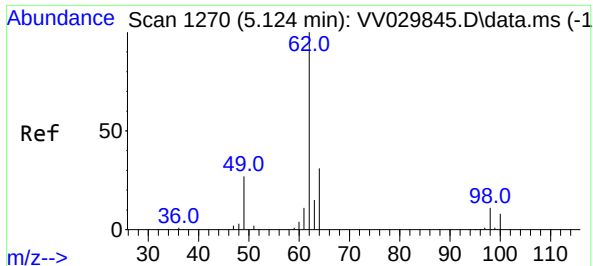
Tgt Ion: 96 Resp: 2464
Ion Ratio Lower Upper
96 100
61 126.3 80.0 148.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.181 ug/L
RT: 4.365 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

Tgt Ion: 83 Resp: 5072
Ion Ratio Lower Upper
83 100
85 68.4 46.5 86.5

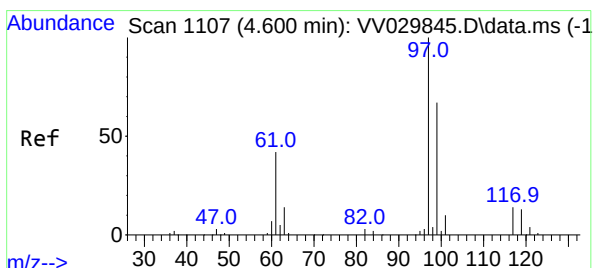
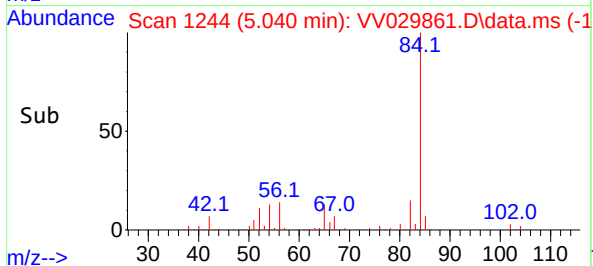
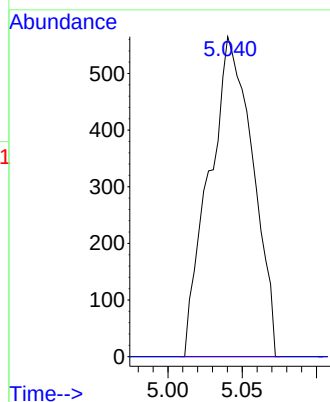
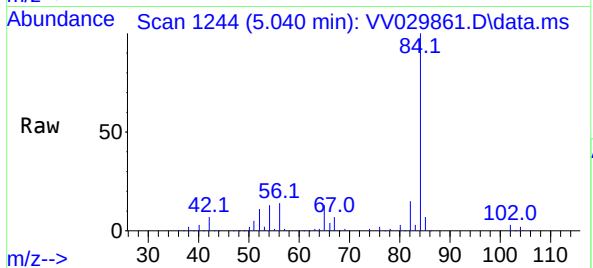




#27
1,2-Dichloroethane
Concen: 0.085 ug/L
RT: 5.040 min Scan# 11
Delta R.T. -0.080 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

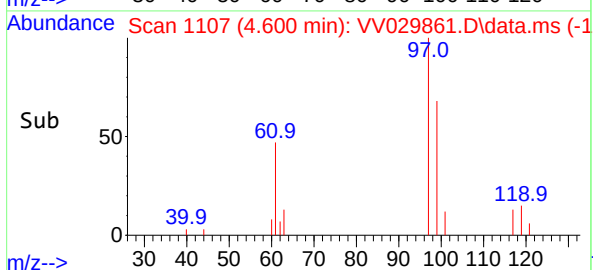
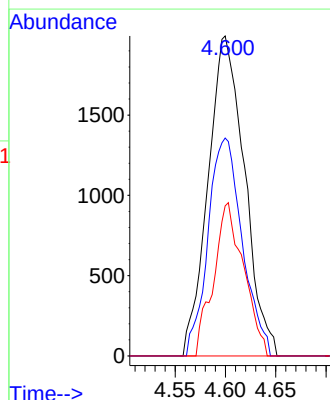
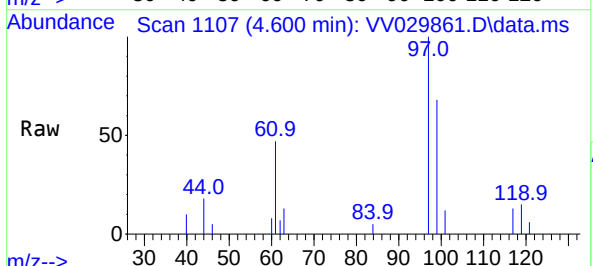
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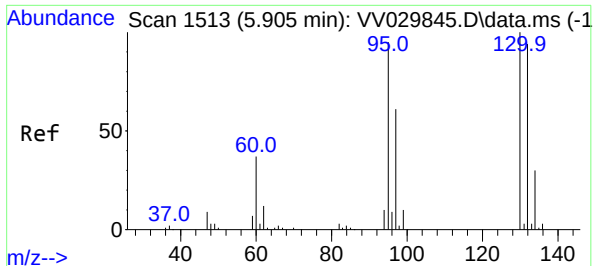
Tgt Ion: 62 Resp: 1155
Ion Ratio Lower Upper
62 100
98 0.0 8.9 13.3#



#29
1,1,1-Trichloroethane
Concen: 0.205 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

Tgt Ion: 97 Resp: 5027
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 39.6 31.6 47.4





#34

Trichloroethene

Concen: 6.465 ug/L

RT: 5.905 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV029861.D

Acq: 14 Jan 2023 16:00

Instrument :

MSVOA_V

ClientSampleId :

BH1X3

Tgt Ion: 95 Resp: 102554

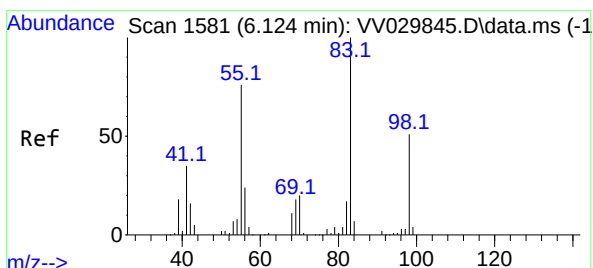
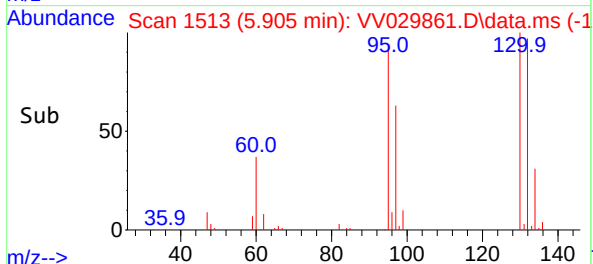
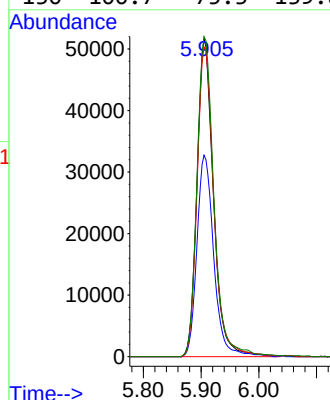
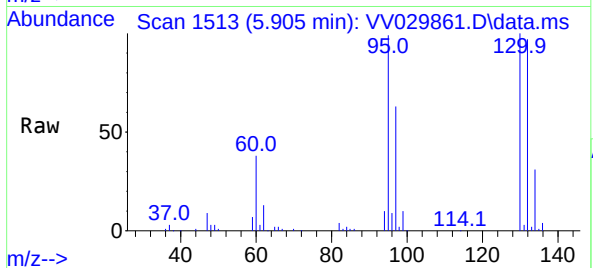
Ion Ratio Lower Upper

95 100

97 63.4 44.9 83.3

132 97.4 71.8 133.4

130 100.7 75.3 139.8



#35

Methylcyclohexane

Concen: 0.816 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.061 min

Lab File: VV029861.D

Acq: 14 Jan 2023 16:00

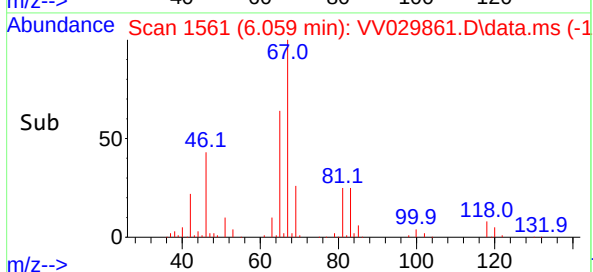
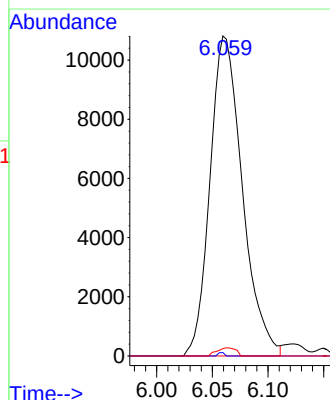
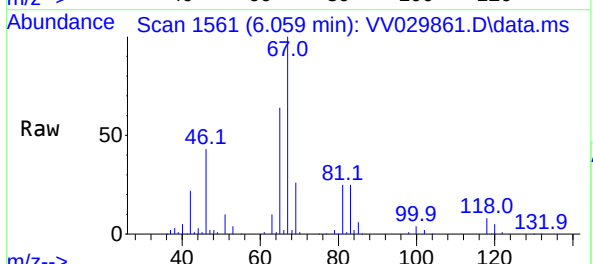
Tgt Ion: 83 Resp: 21864

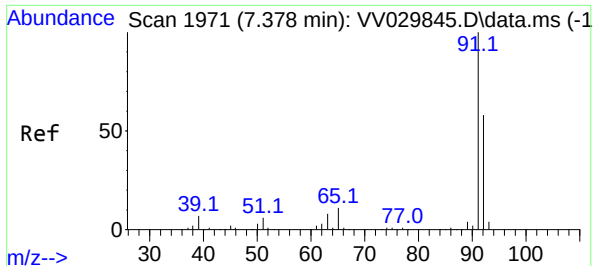
Ion Ratio Lower Upper

83 100

55 0.2 57.3 85.9#

98 1.5 39.0 58.6#

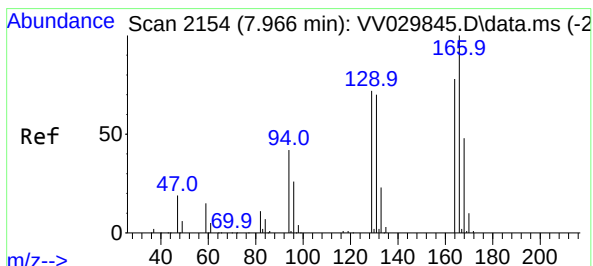
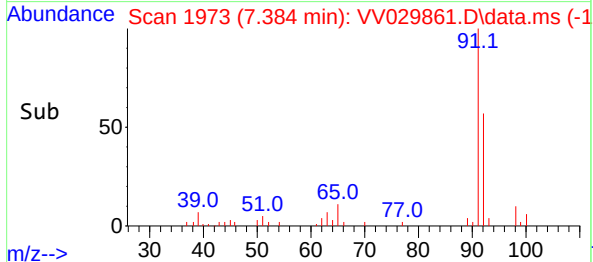
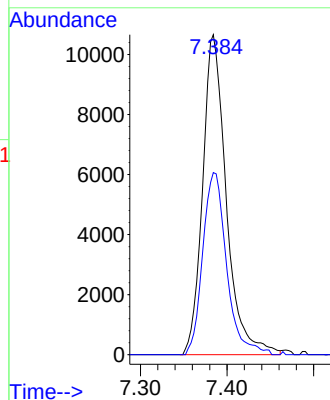
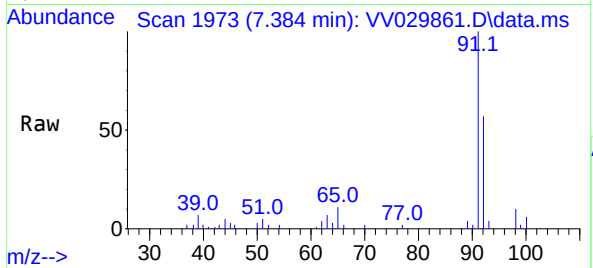




#42
Toluene
Concen: 0.300 ug/L
RT: 7.384 min Scan# 1971
Delta R.T. 0.006 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

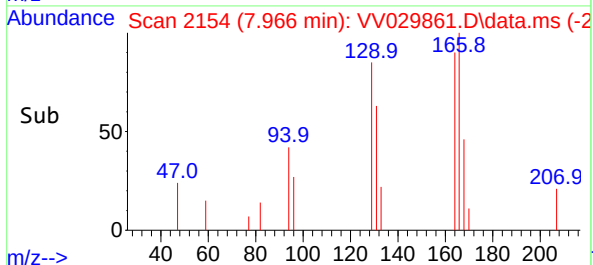
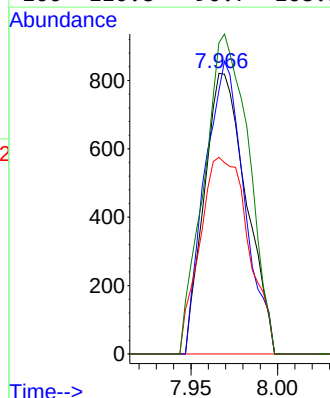
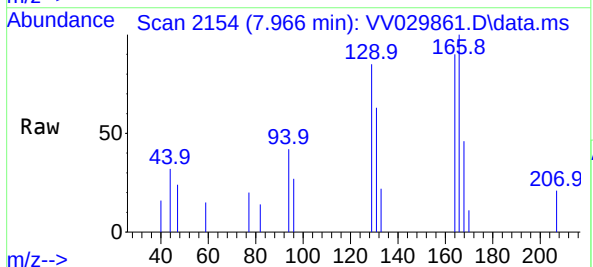
Instrument :
MSVOA_V
ClientSampleId :
BH1X3

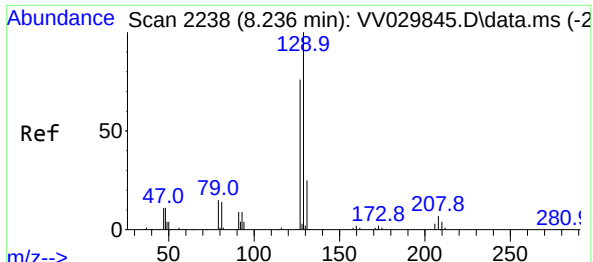
Tgt Ion: 91 Resp: 20246
Ion Ratio Lower Upper
91 100
92 56.9 40.6 75.4



#47
Tetrachloroethene
Concen: 0.103 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

Tgt Ion: 164 Resp: 1379
Ion Ratio Lower Upper
164 100
129 93.9 64.5 119.7
131 70.0 62.9 116.7
166 110.8 90.7 168.5





#49

Dibromochloromethane

Concen: 0.110 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.267 min

Lab File: VV029861.D

Acq: 14 Jan 2023 16:00

Instrument :

MSVOA_V

ClientSampleId :

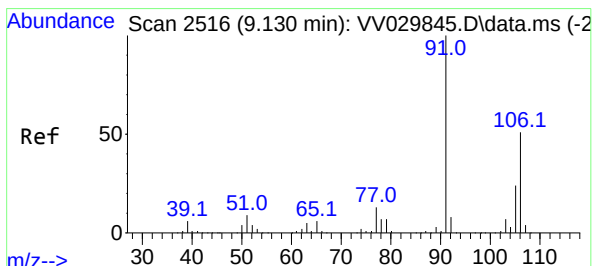
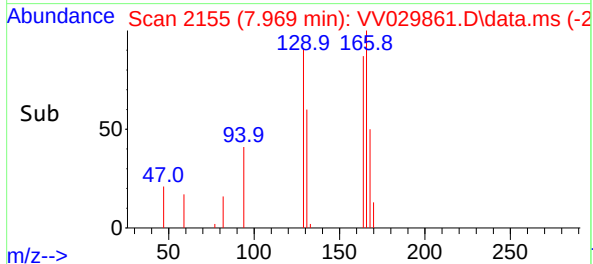
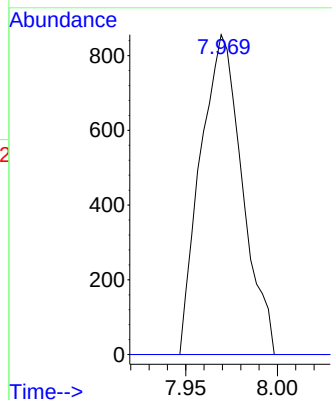
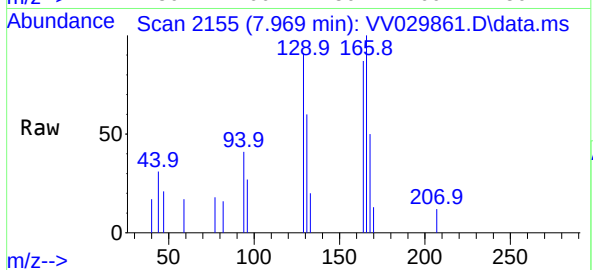
BH1X3

Tgt Ion:129 Resp: 1359

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: VV029861.D

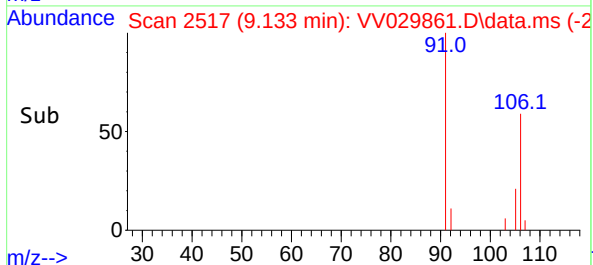
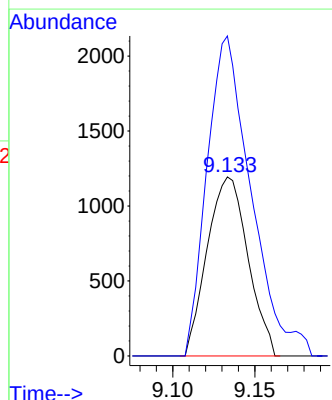
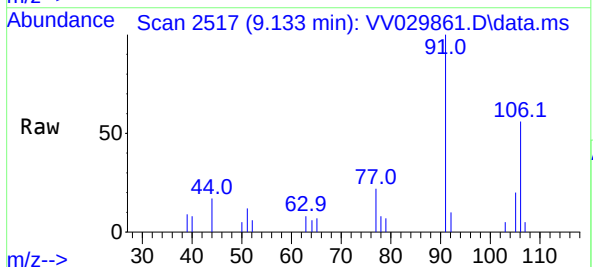
Acq: 14 Jan 2023 16:00

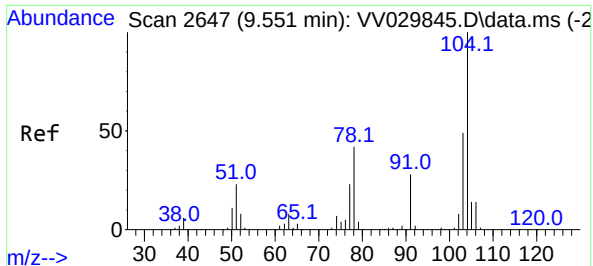
Tgt Ion:106 Resp: 2057

Ion Ratio Lower Upper

106 100

91 178.7 138.7 257.7

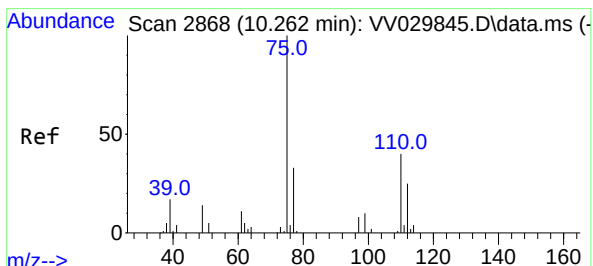
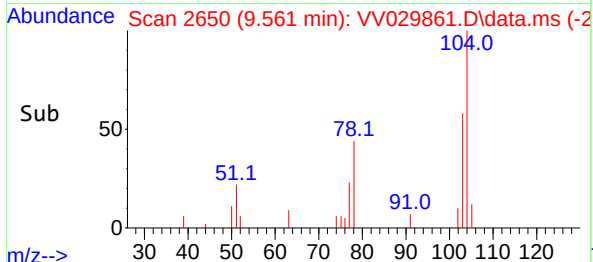
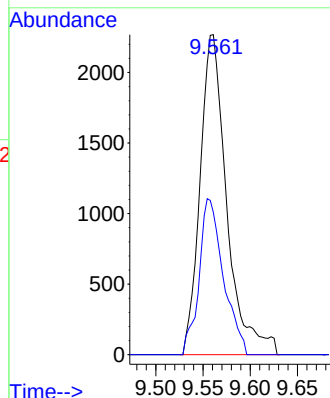
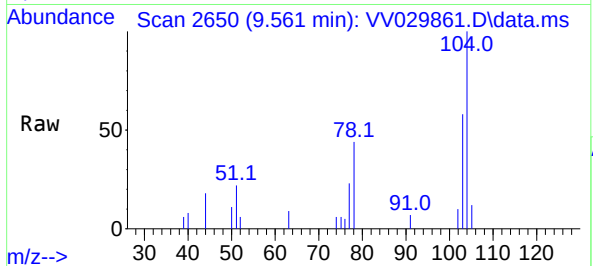




#55
Styrene
Concen: 0.098 ug/L
RT: 9.561 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

Instrument :
MSVOA_V
ClientSampleId :
BH1X3

Tgt Ion:104 Resp: 4459
Ion Ratio Lower Upper
104 100
78 44.5 28.6 53.2



#61
1,2,3-Trichloropropane
Concen: 1.439 ug/L
RT: 11.236 min Scan# 3171
Delta R.T. 0.974 min
Lab File: VV029861.D
Acq: 14 Jan 2023 16:00

Tgt Ion: 75 Resp: 10441
Ion Ratio Lower Upper
75 100
77 33.6 26.5 39.7
110 1.1 31.8 47.8#

