

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029859.D
 Acq On : 14 Jan 2023 15:12
 Operator : SY/MD
 Sample : 01138-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1X0

Quant Time: Jan 16 00:41:00 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	190691	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	193008	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	94776	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	71198	4.923	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.400%
7) Chloroethane-d5	1.564	69	67950	5.667	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.400%
11) 1,1-Dichloroethene-d2	2.105	63	102789	3.898	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.000%
20) 2-Butanone-d5	3.889	46	143248	55.878	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.760%
24) Chloroform-d	4.339	84	151694	5.717	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.400%
26) 1,2-Dichloroethane-d4	5.024	65	66168	5.889	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.800%
32) Benzene-d6	5.040	84	310024	5.415	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.400%
36) 1,2-Dichloropropane-d6	6.063	67	95964	5.727	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.600%
41) Toluene-d8	7.307	98	275787	5.203	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
43) trans-1,3-Dichloroprop...	7.616	79	29969	4.897	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.000%
46) 2-Hexanone-d5	8.085	63	137041	55.007	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.020%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	68836	5.606	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	103245	5.992	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1008	0.054	ug/L	86
5) Vinyl chloride	1.307	62	4528	0.247	ug/L #	62
8) Chloroethane	1.600	64	59053	5.314	ug/L #	52
12) 1,1-Dichloroethene	2.114	96	9483	0.582	ug/L #	1
14) Carbon disulfide	2.294	76	3218	0.069	ug/L #	89
15) Methyl Acetate	2.179	43	2386	0.501	ug/L #	45
17) Methyl tert-butyl Ether	2.764	73	8240	0.293	ug/L	97
19) 1,1-Dichloroethane	3.188	63	18985	0.750	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	8760	0.543	ug/L	97
25) Chloroform	4.365	83	2255	0.082	ug/L #	56
29) 1,1,1-Trichloroethane	4.600	97	3879	0.155	ug/L	94
34) Trichloroethene	5.908	95	32114	1.986	ug/L	98
35) Methylcyclohexane	6.063	83	22586	0.827	ug/L #	20
37) 1,2-Dichloropropane	6.063	63	9836	0.658	ug/L #	85
39) cis-1,3-Dichloropropene	6.976	75	1926	0.096	ug/L #	53
44) trans-1,3-Dichloropropene	7.616	75	1248	0.077	ug/L #	30
47) Tetrachloroethene	7.966	164	2429	0.178	ug/L	92
49) Dibromochloromethane	7.966	129	1994	0.158	ug/L #	11
53) m,p-Xylene	9.133	106	1852	0.065	ug/L	97

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

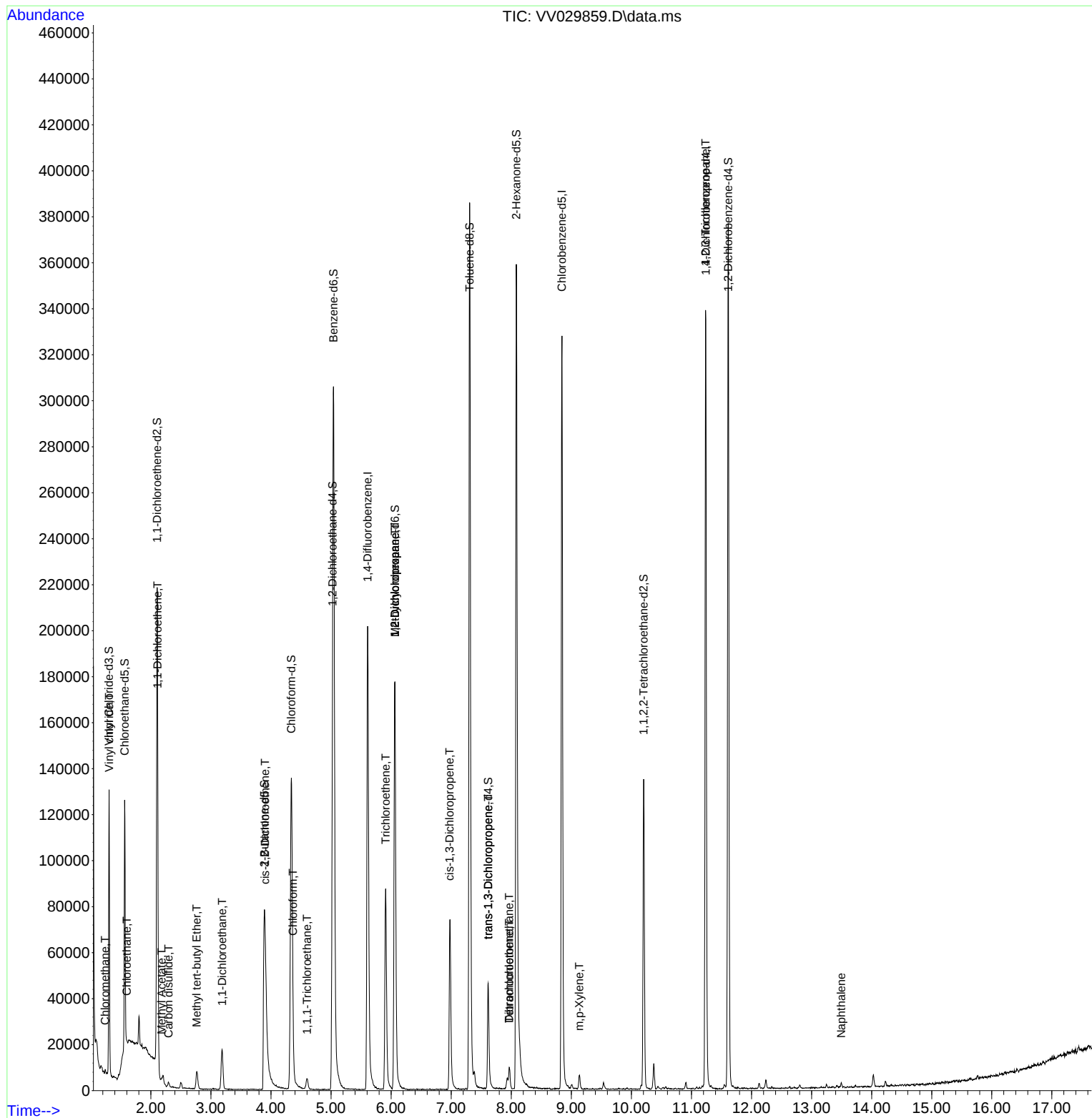
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.236	75	10549	1.503	ug/L #	66
71) Naphthalene	13.493	128	1998	0.080	ug/L #	87

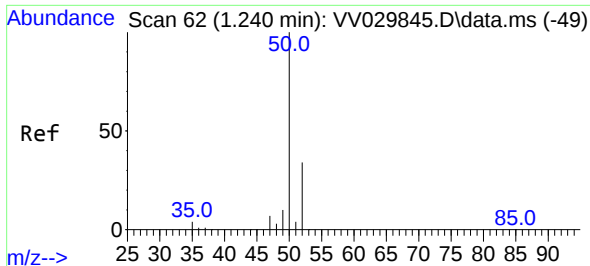
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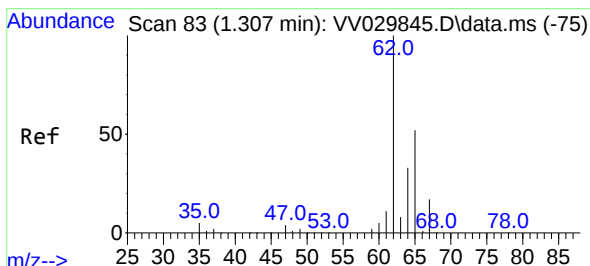
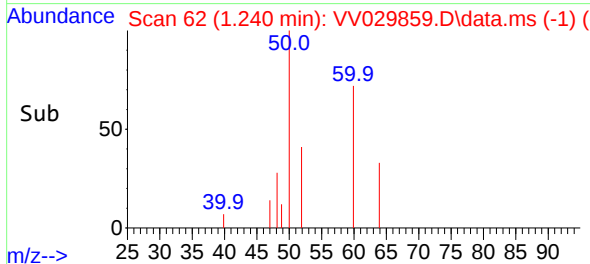
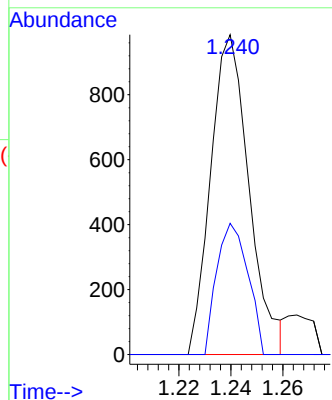
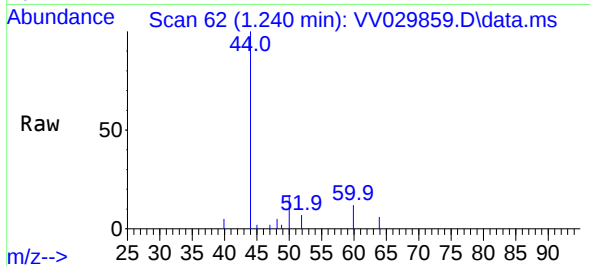




#3
Chloromethane
Concen: 0.054 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

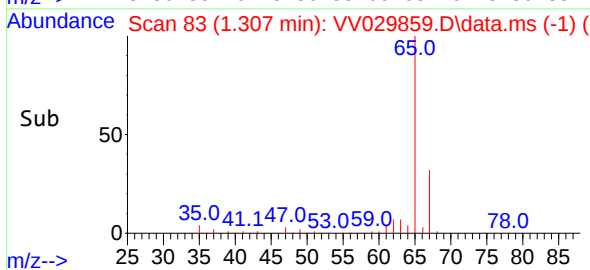
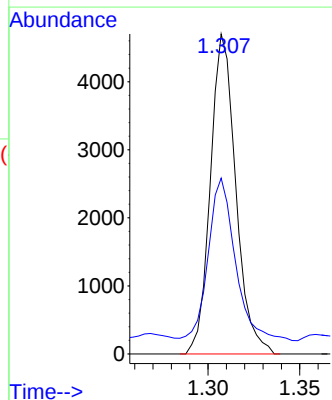
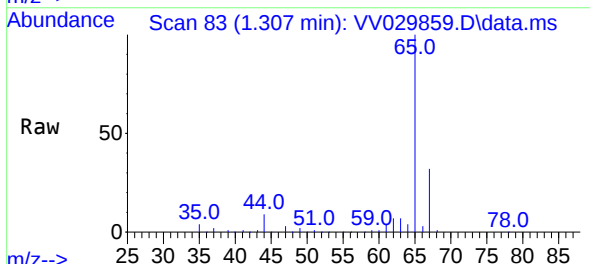
Instrument :
MSVOA_V
ClientSampleId :
BH1X0

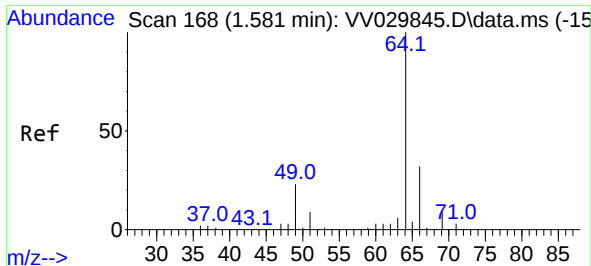
Tgt Ion: 50 Resp: 1008
Ion Ratio Lower Upper
50 100
52 41.0 23.1 42.9



#5
Vinyl chloride
Concen: 0.247 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

Tgt Ion: 62 Resp: 4528
Ion Ratio Lower Upper
62 100
64 54.9 23.2 43.2#

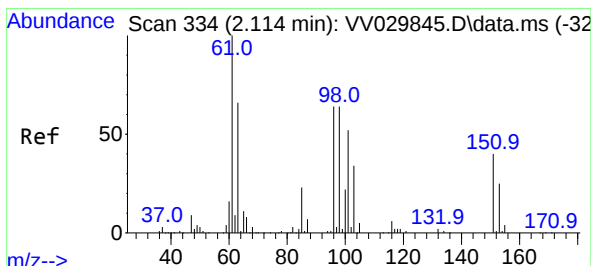
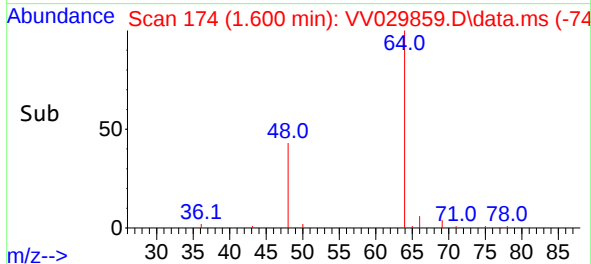
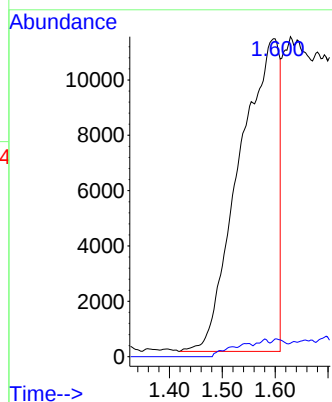
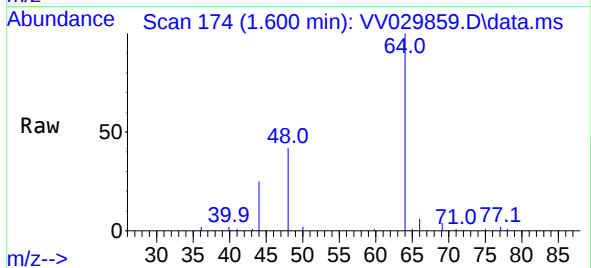




#8
Chloroethane
Concen: 5.314 ug/L
RT: 1.600 min Scan# 11
Delta R.T. 0.022 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

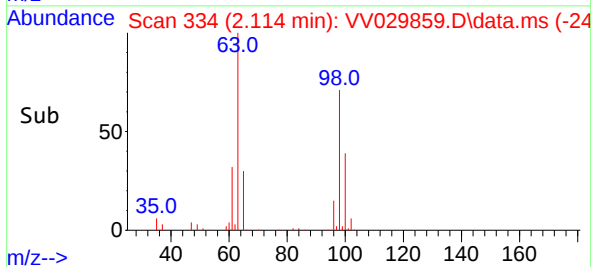
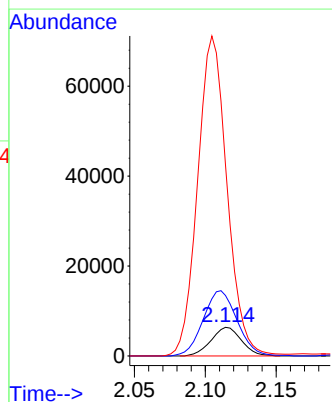
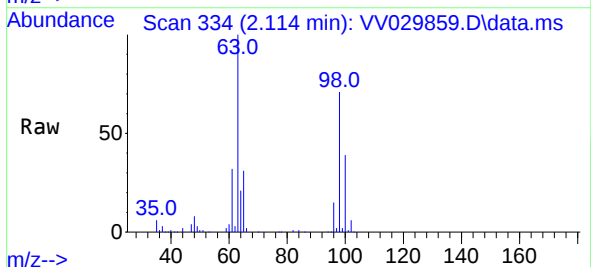
Instrument :
MSVOA_V
ClientSampleId :
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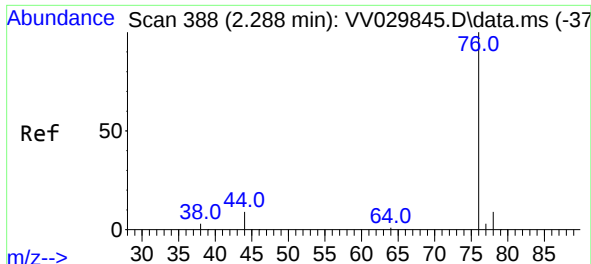
Tgt Ion: 64 Resp: 59053
Ion Ratio Lower Upper
64 100
66 5.6 22.9 42.5#



#12
1,1-Dichloroethene
Concen: 0.582 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.003 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

Tgt Ion: 96 Resp: 9483
Ion Ratio Lower Upper
96 100
61 211.2 106.1 197.1#
63 667.2 76.4 141.8#

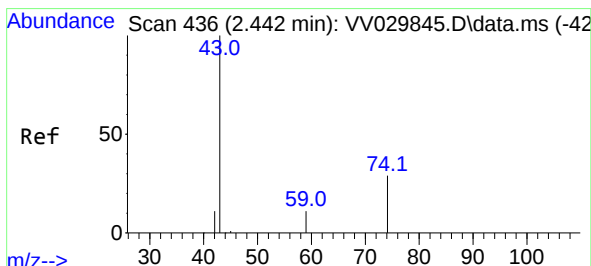
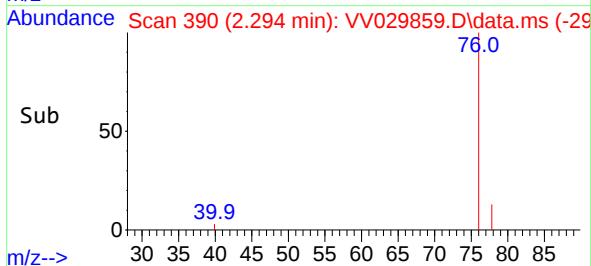
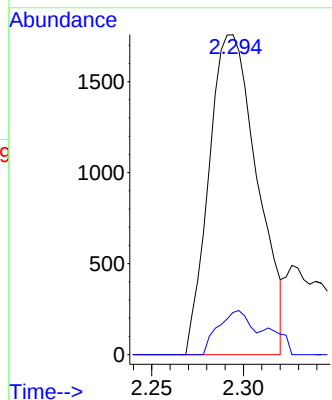
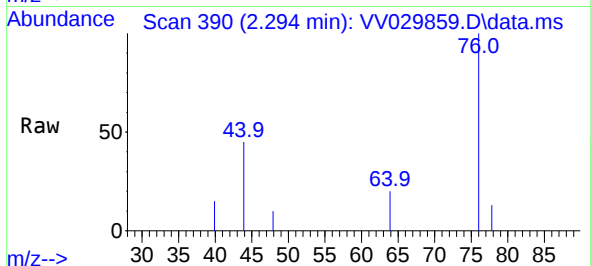




#14
Carbon disulfide
Concen: 0.069 ug/L
RT: 2.294 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

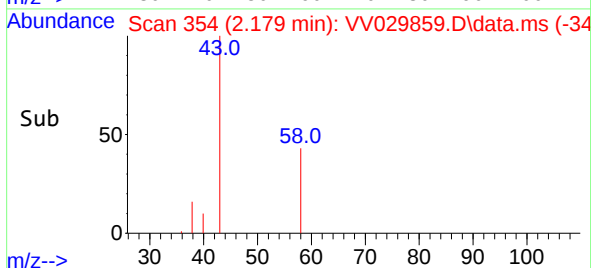
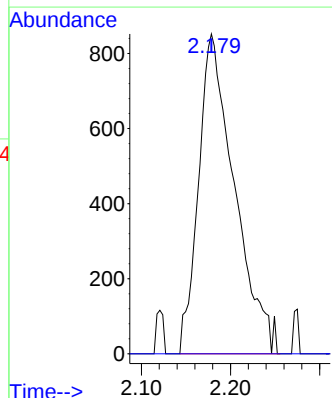
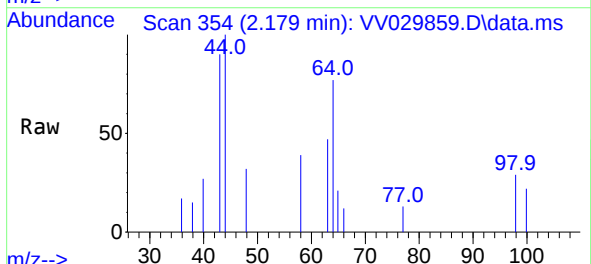
Instrument :
MSVOA_V
ClientSampleId :
BH1X0

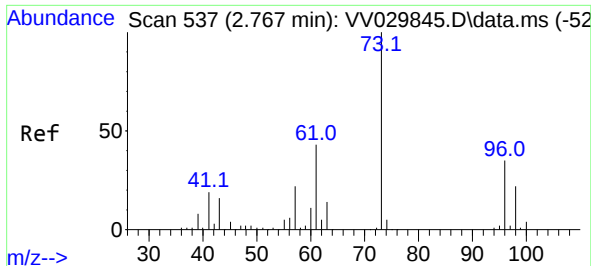
Tgt Ion: 76 Resp: 3218
Ion Ratio Lower Upper
76 100
78 13.2 7.4 11.0#



#15
Methyl Acetate
Concen: 0.501 ug/L
RT: 2.179 min Scan# 354
Delta R.T. -0.257 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

Tgt Ion: 43 Resp: 2386
Ion Ratio Lower Upper
43 100
74 0.0 23.4 35.0#

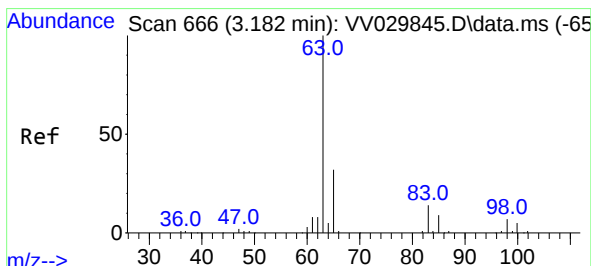
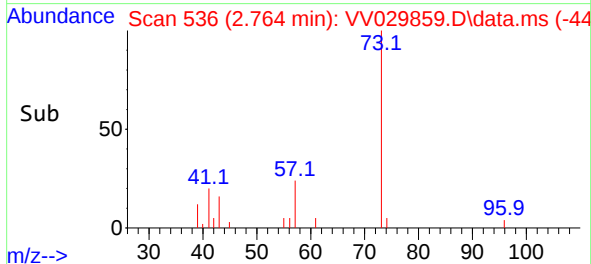
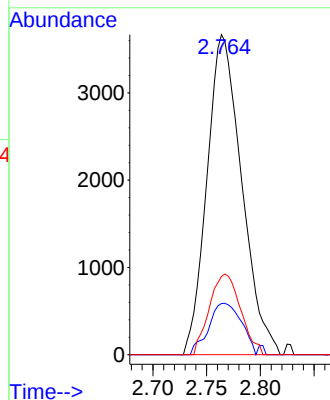
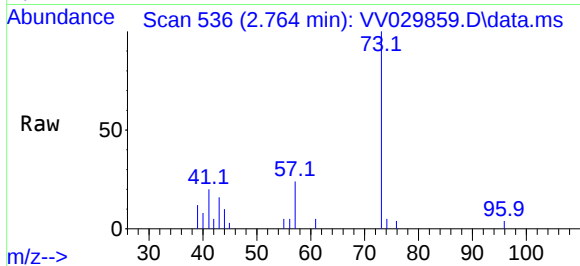




#17
Methyl tert-butyl Ether
Concen: 0.293 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

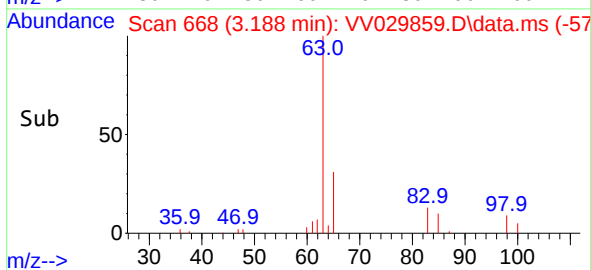
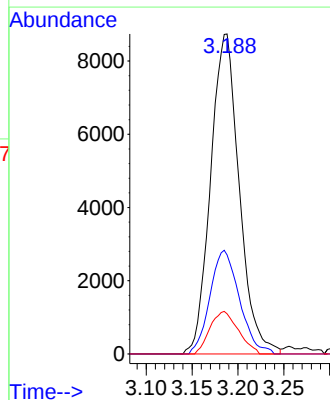
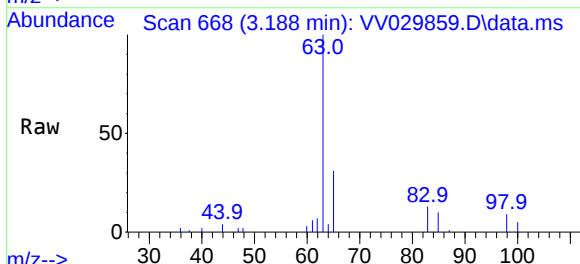
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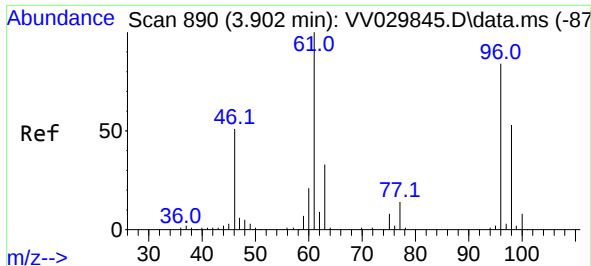
Tgt Ion:	73	Resp:	8240
Ion	Ratio	Lower	Upper
73	100		
43	15.2	13.0	19.4
57	22.7	17.1	25.7



#19
1,1-Dichloroethane
Concen: 0.750 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.010 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

Tgt Ion:	63	Resp:	18985
Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.4	41.6
83	12.6	10.2	19.0

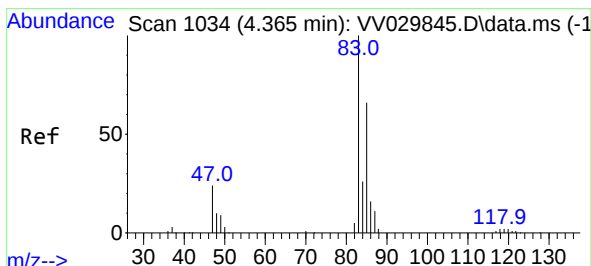
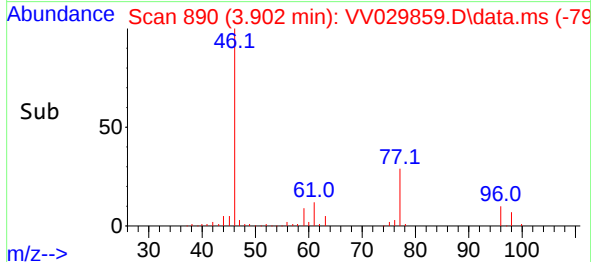
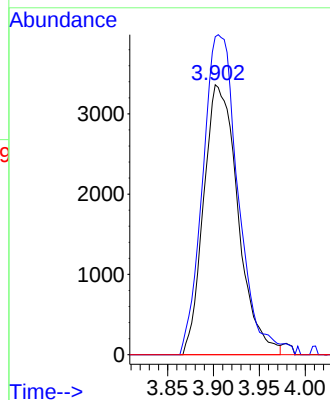
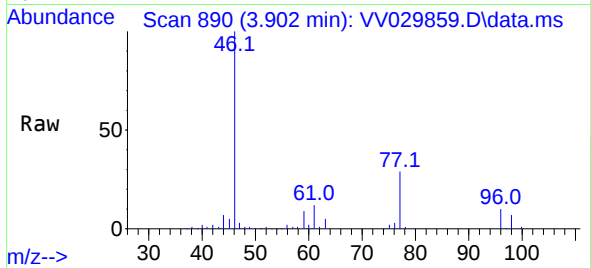




#22
 cis-1,2-Dichloroethene
 Concen: 0.543 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.003 min
 Lab File: VV029859.D
 Acq: 14 Jan 2023 15:12

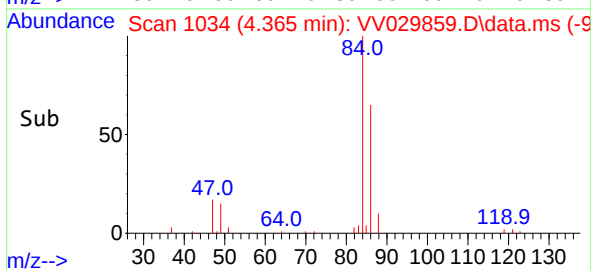
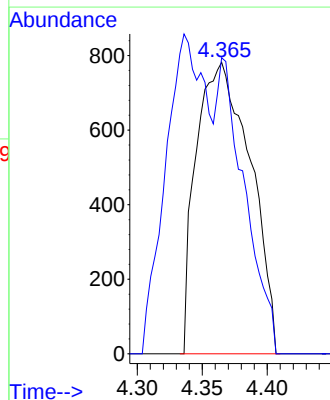
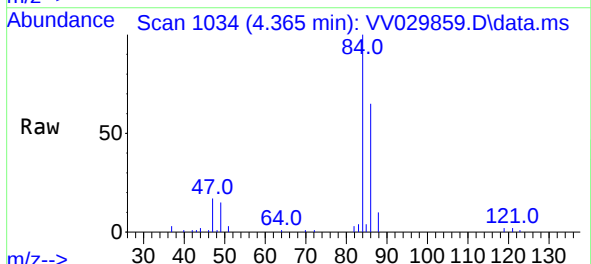
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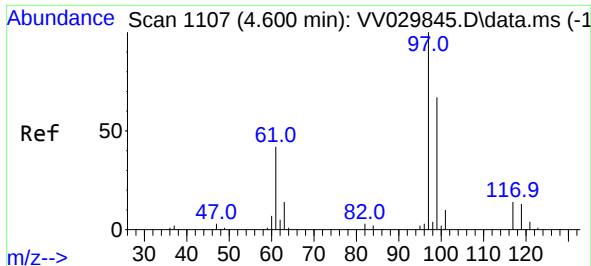
Tgt Ion: 96 Resp: 8760
 Ion Ratio Lower Upper
 96 100
 61 117.8 80.0 148.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.082 ug/L
 RT: 4.365 min Scan# 1034
 Delta R.T. 0.003 min
 Lab File: VV029859.D
 Acq: 14 Jan 2023 15:12

Tgt Ion: 83 Resp: 2255
 Ion Ratio Lower Upper
 83 100
 85 101.5 46.5 86.5#



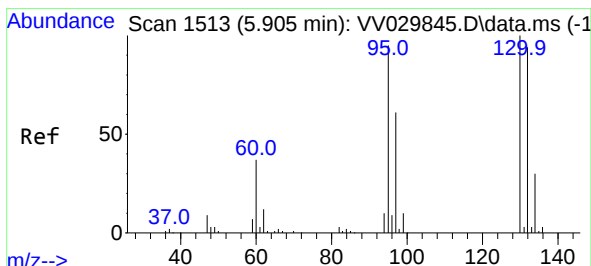
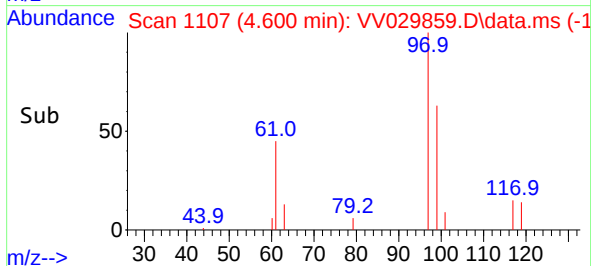
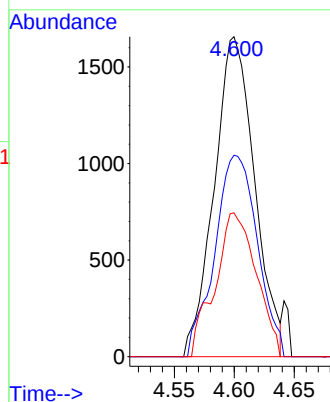
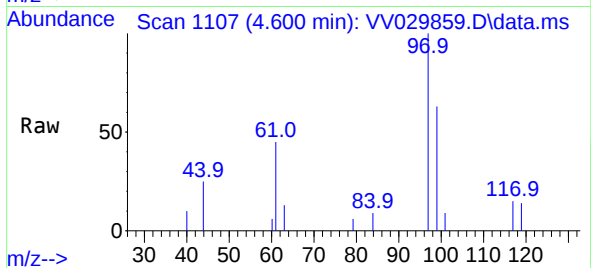


#29
1,1,1-Trichloroethane
Concen: 0.155 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

Instrument :
MSVOA_V
ClientSampleId :
BH1X0

Tgt Ion: 97 Resp: 3879

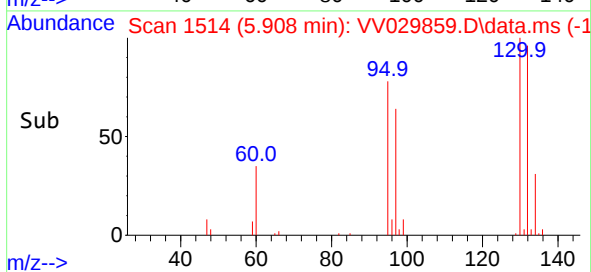
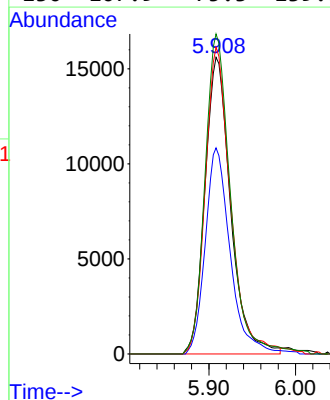
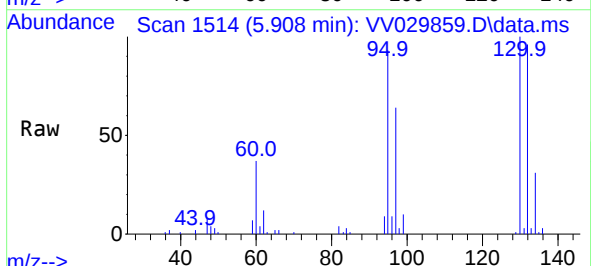
Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.3	76.9
61	45.9	31.6	47.4

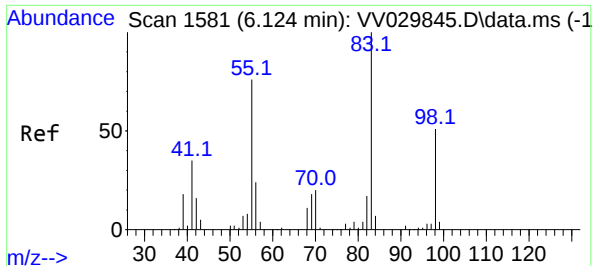


#34
Trichloroethene
Concen: 1.986 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

Tgt Ion: 95 Resp: 32114

Ion	Ratio	Lower	Upper
95	100		
97	69.5	44.9	83.3
132	103.4	71.8	133.4
130	107.9	75.3	139.8





#35

Methylcyclohexane

Concen: 0.827 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.058 min

Lab File: VV029859.D

Acq: 14 Jan 2023 15:12

Instrument :

MSVOA_V

ClientSampleId :

BH1X0

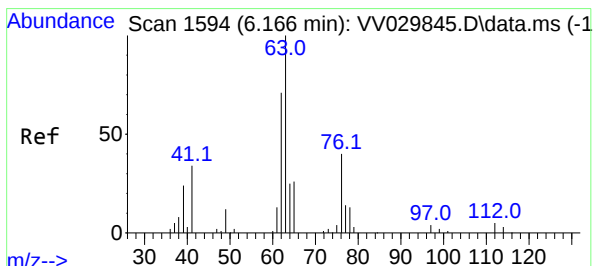
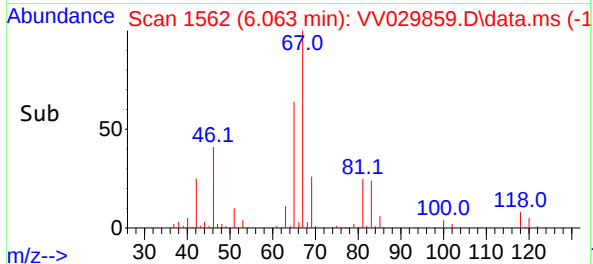
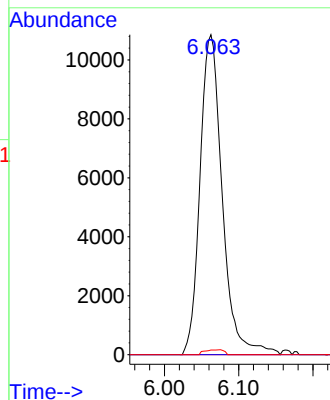
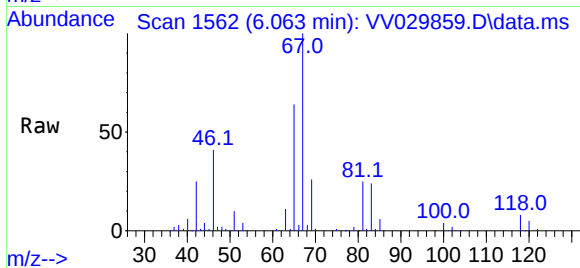
Tgt Ion: 83 Resp: 22586

Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

98 1.3 39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.658 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.100 min

Lab File: VV029859.D

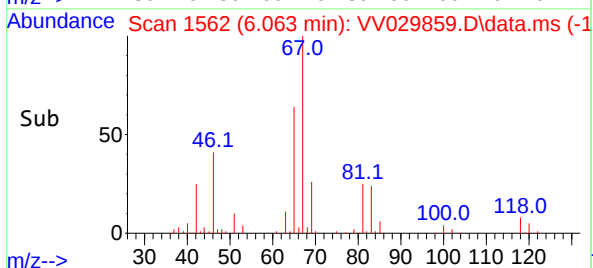
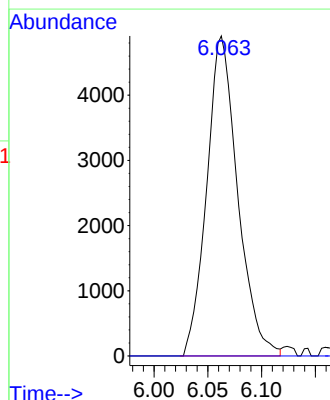
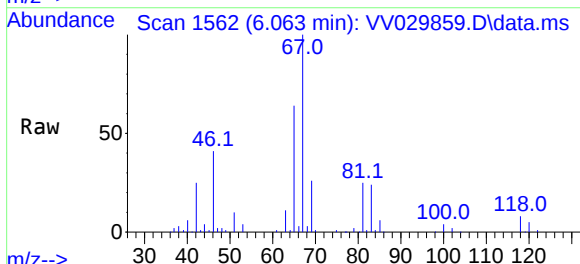
Acq: 14 Jan 2023 15:12

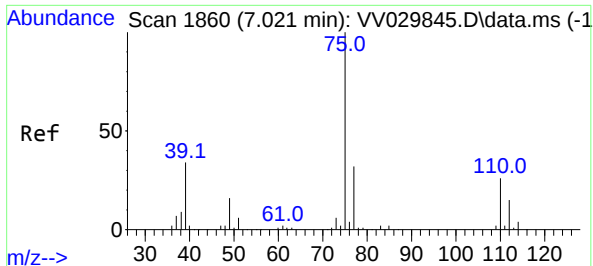
Tgt Ion: 63 Resp: 9836

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 6.976 min Scan# 1846

Delta R.T. -0.042 min

Lab File: VV029859.D

Acq: 14 Jan 2023 15:12

Instrument :

MSVOA_V

ClientSampleId :

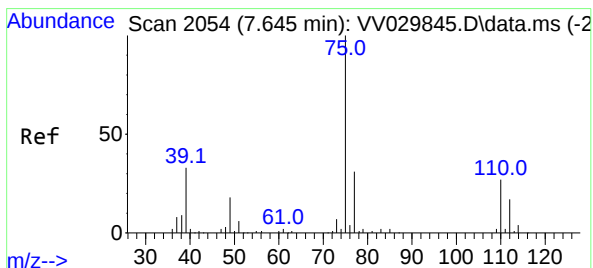
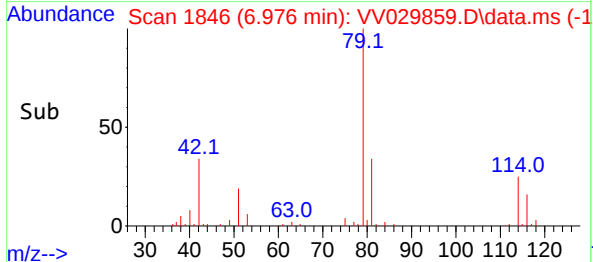
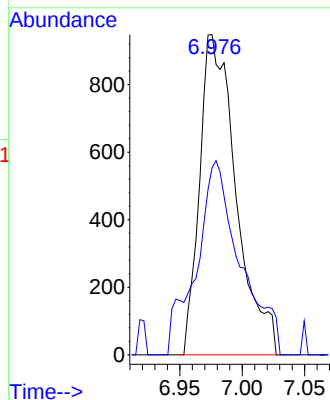
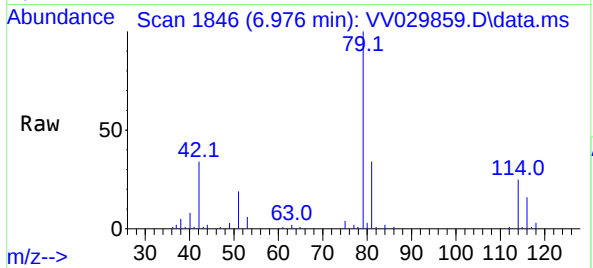
BH1X0

Tgt Ion: 75 Resp: 1926

Ion Ratio Lower Upper

75 100

77 58.4 22.4 41.6#



#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.616 min Scan# 2045

Delta R.T. -0.026 min

Lab File: VV029859.D

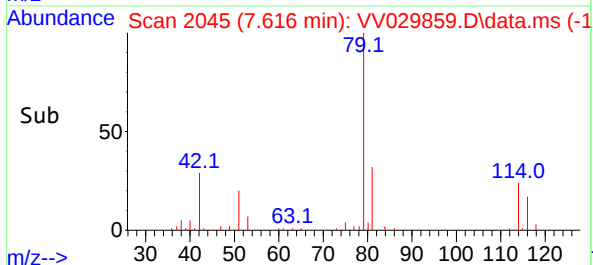
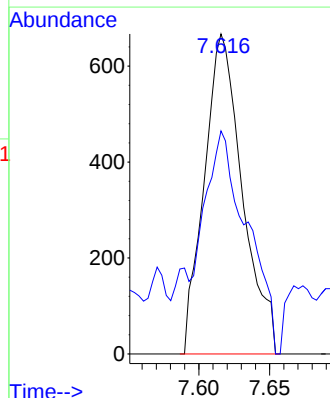
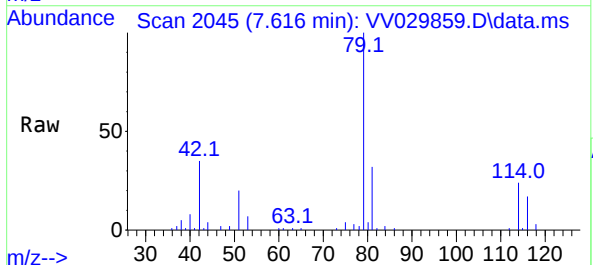
Acq: 14 Jan 2023 15:12

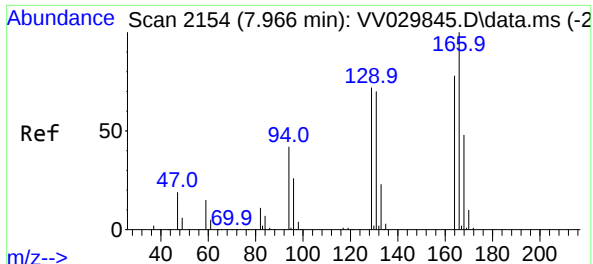
Tgt Ion: 75 Resp: 1248

Ion Ratio Lower Upper

75 100

77 69.7 21.9 40.7#

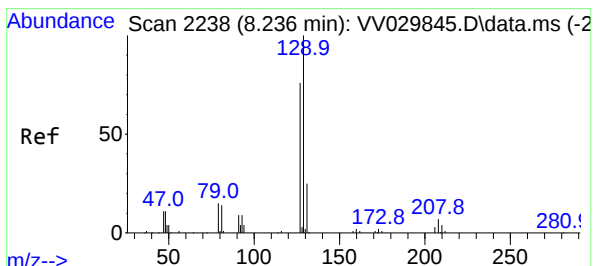
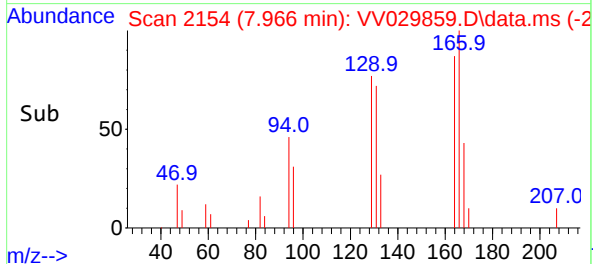
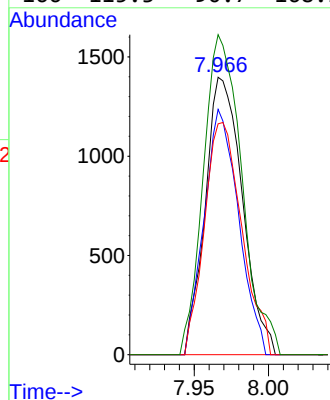
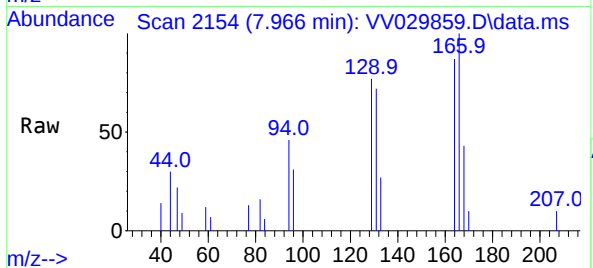




#47
Tetrachloroethene
Concen: 0.178 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

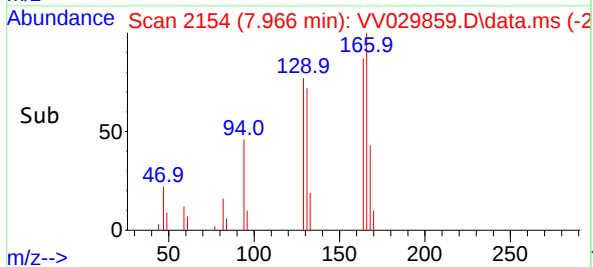
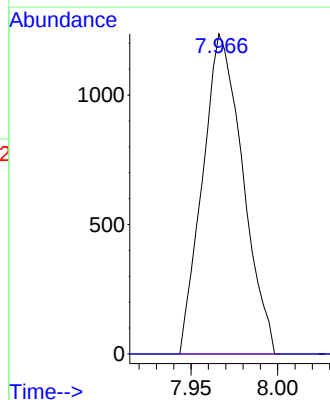
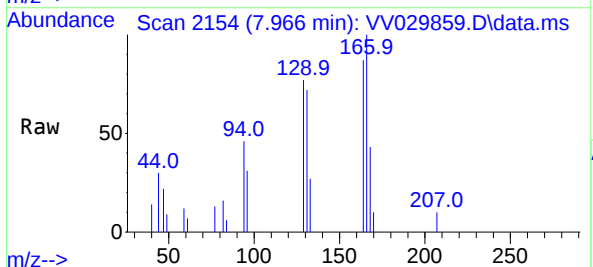
Instrument :
MSVOA_V
ClientSampleId :
BH1X0

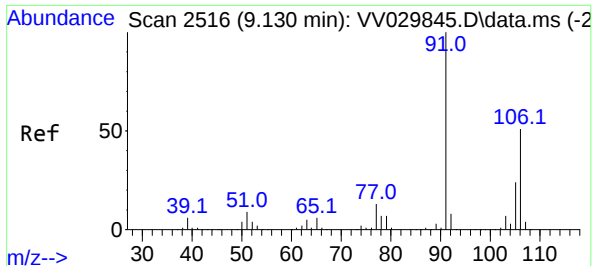
Tgt Ion:	164	Resp:	2429
Ion	Ratio	Lower	Upper
164	100		
129	88.4	64.5	119.7
131	83.2	62.9	116.7
166	115.3	90.7	168.5



#49
Dibromochloromethane
Concen: 0.158 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.270 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

Tgt Ion:	129	Resp:	1994
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.1	100.5#

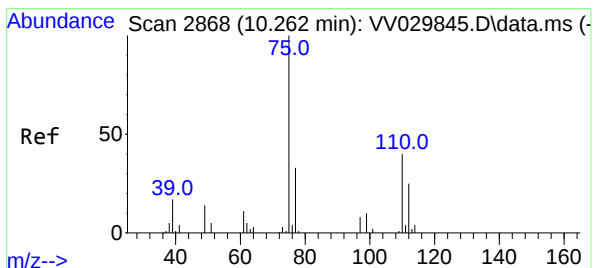
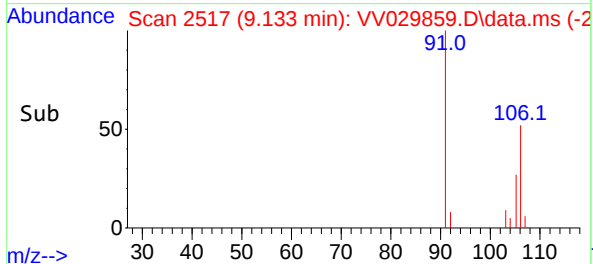
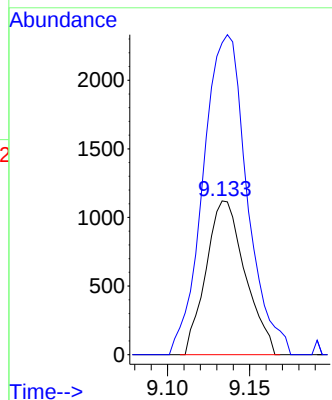
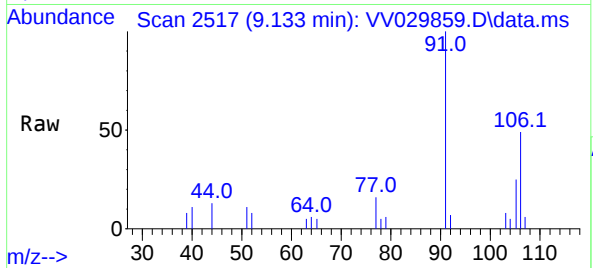




#53
m,p-Xylene
Concen: 0.065 ug/L
RT: 9.133 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

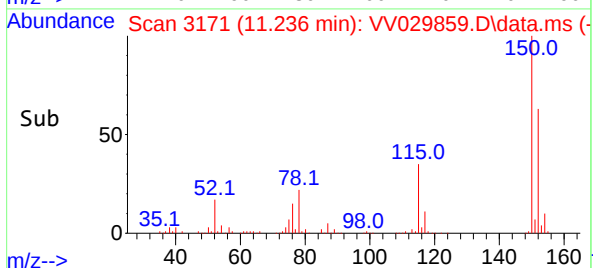
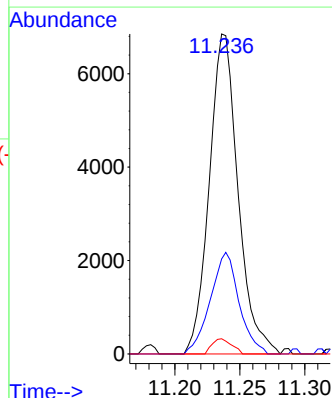
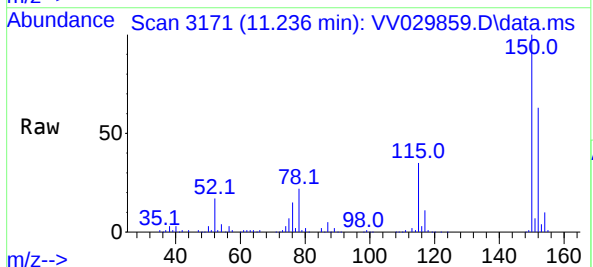
Instrument :
MSVOA_V
ClientSampleId :
BH1X0

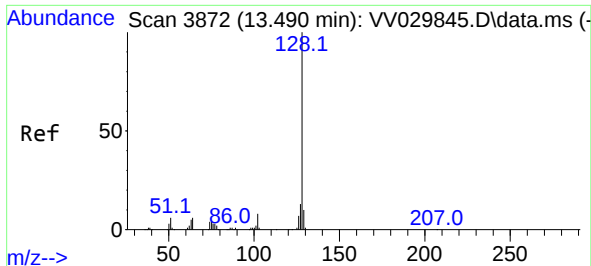
Tgt Ion:106 Resp: 1852
Ion Ratio Lower Upper
106 100
91 202.8 138.7 257.7



#61
1,2,3-Trichloropropane
Concen: 1.503 ug/L
RT: 11.236 min Scan# 3171
Delta R.T. 0.974 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

Tgt Ion: 75 Resp: 10549
Ion Ratio Lower Upper
75 100
77 31.7 26.5 39.7
110 3.2 31.8 47.8#





#71
Naphthalene
Concen: 0.080 ug/L
RT: 13.493 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029859.D
Acq: 14 Jan 2023 15:12

Instrument :
MSVOA_V
ClientSampleId :
BH1X0

Tgt Ion:128 Resp: 1998
Ion Ratio Lower Upper
128 100
129 5.7 8.6 12.8#
127 7.2 10.0 15.0#

