

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032322\
 Data File : VW025138.D
 Acq On : 23 Mar 2022 17:30
 Operator : SY/MD
 Sample : N2083-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW5Z8

Quant Time: Mar 24 01:18:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 24 01:12:55 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

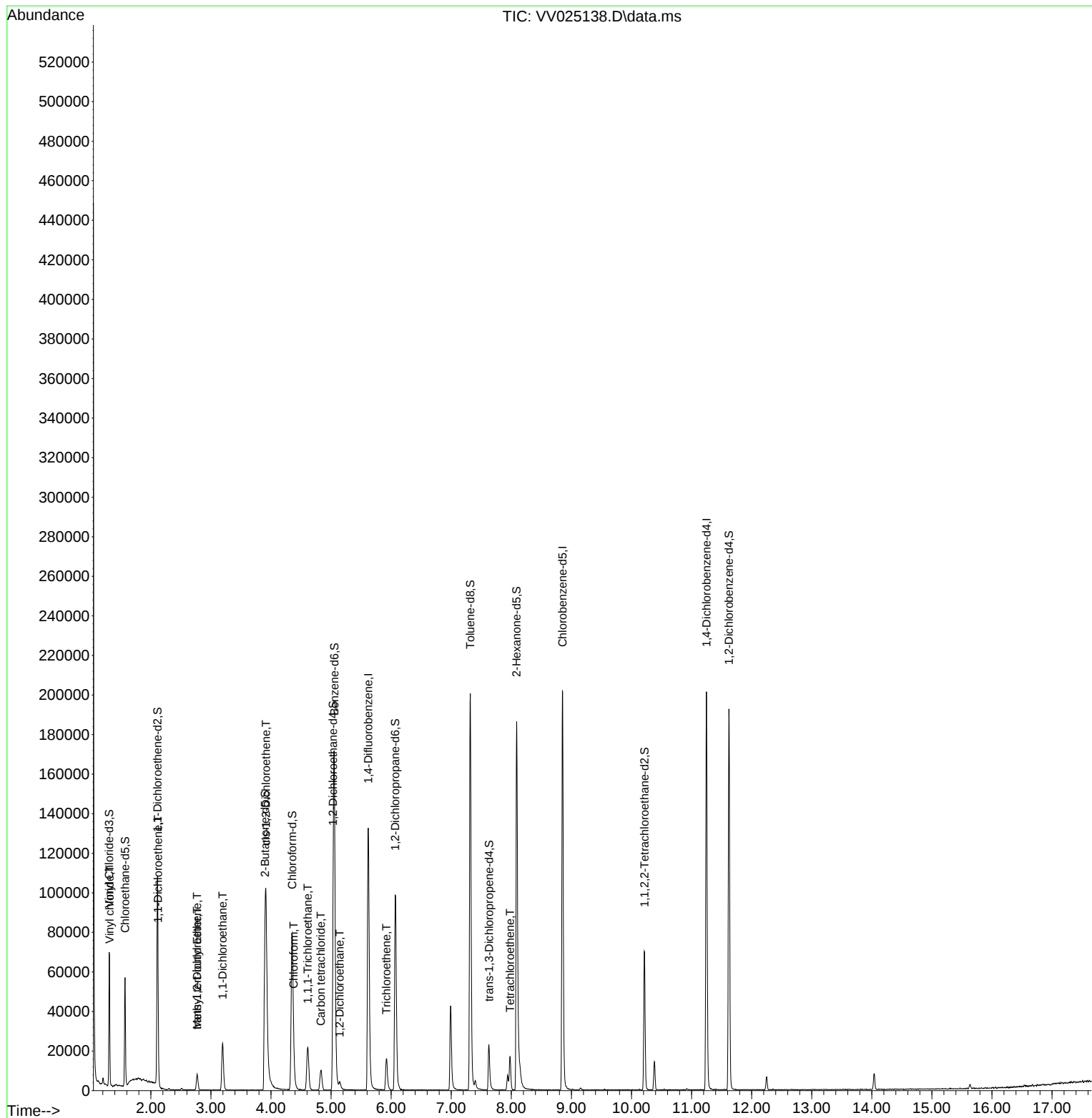
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	123948	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	117515	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	53271	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	40163	4.104	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	82.000%	
7) Chloroethane-d5	1.571	69	35991	5.023	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	100.400%	
11) 1,1-Dichloroethene-d2	2.111	63	54855	3.468	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	69.400%	
20) 2-Butanone-d5	3.899	46	89283	75.496	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	151.000%#	
24) Chloroform-d	4.352	84	86692	5.342	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	106.800%	
26) 1,2-Dichloroethane-d4	5.034	65	37640	5.547	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	111.000%	
32) Benzene-d6	5.053	84	167532	4.914	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.200%	
36) 1,2-Dichloropropane-d6	6.069	67	52577	5.363	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	107.200%	
41) Toluene-d8	7.317	98	142226	4.578	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.600%	
43) trans-1,3-Dichloroprop...	7.628	79	14942	4.372	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	87.400%	
46) 2-Hexanone-d5	8.088	63	70613	60.579	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	121.160%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	35860	6.218	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	124.400%#	
66) 1,2-Dichlorobenzene-d4	11.622	152	49846	5.527	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	110.600%	
Target Compounds						
5) Vinyl chloride	1.314	62	2668	0.245	ug/L #	70
12) 1,1-Dichloroethene	2.121	96	2286	0.290	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	5296	0.308	ug/L #	96
18) trans-1,2-Dichloroethene	2.770	96	1286	0.135	ug/L	95
19) 1,1-Dichloroethane	3.195	63	25762	1.593	ug/L	99
22) cis-1,2-Dichloroethene	3.915	96	43633	4.548	ug/L	96
25) Chloroform	4.378	83	5561	0.330	ug/L	95
27) 1,2-Dichloroethane	5.143	62	3173	0.379	ug/L	96
29) 1,1,1-Trichloroethane	4.609	97	18487	1.234	ug/L	98
31) Carbon tetrachloride	4.831	117	8248	0.641	ug/L	99
34) Trichloroethene	5.921	95	6349	0.624	ug/L	96
47) Tetrachloroethene	7.979	164	3775	0.527	ug/L	92

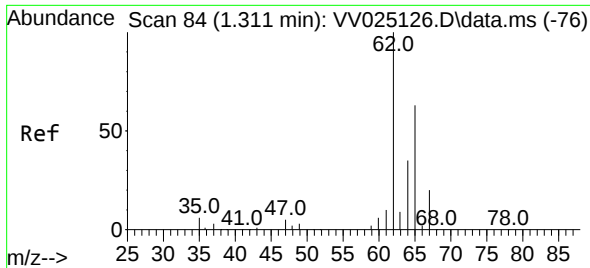
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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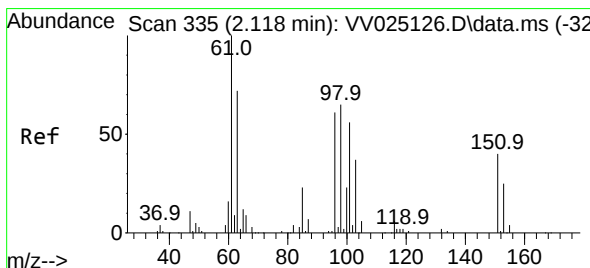
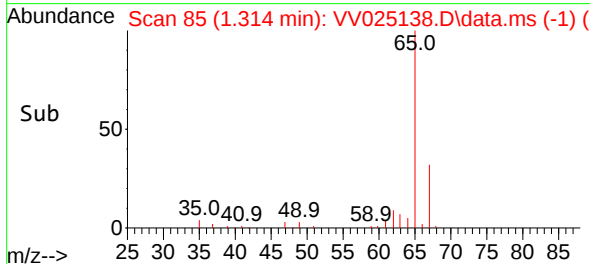
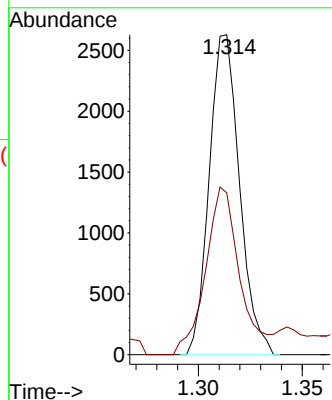
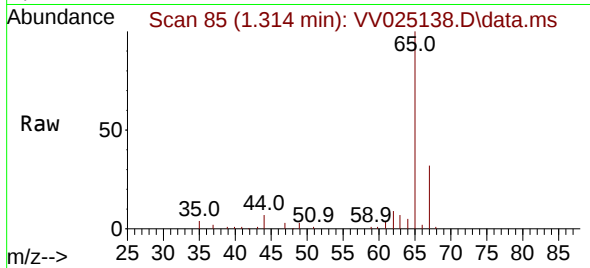




#5
 Vinyl chloride
 Concen: 0.245 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV025138.D
 Acq: 23 Mar 2022 17:30

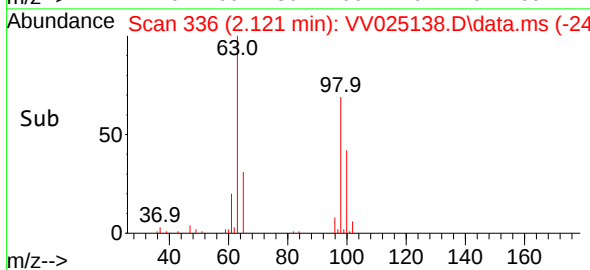
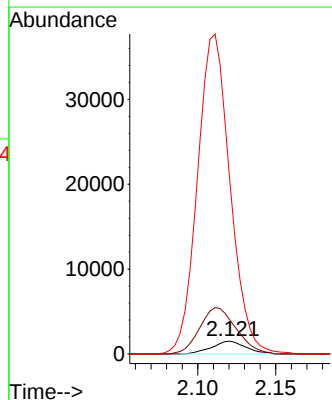
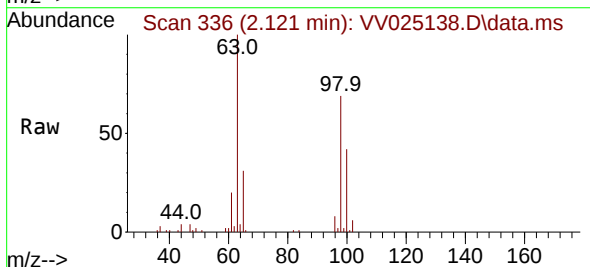
Instrument :
 MSVOA_V
 ClientSampleId :
 EW5Z8

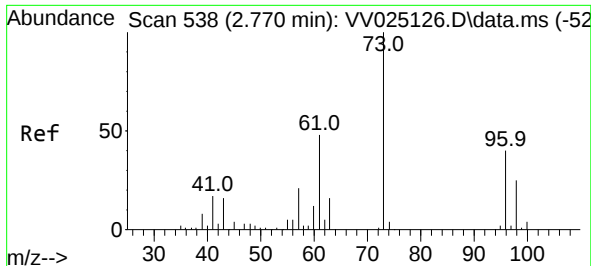
Tgt Ion: 62 Resp: 2668
 Ion Ratio Lower Upper
 62 100
 64 50.6 23.4 43.4#



#12
 1,1-Dichloroethene
 Concen: 0.290 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV025138.D
 Acq: 23 Mar 2022 17:30

Tgt Ion: 96 Resp: 2286
 Ion Ratio Lower Upper
 96 100
 61 261.1 113.0 209.9#
 63 1313.8 82.1 152.5#





#17

Methyl tert-butyl Ether

Concen: 0.308 ug/L

RT: 2.770 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV025138.D

Acq: 23 Mar 2022 17:30

Instrument :

MSVOA_V

ClientSampleId :

EW5Z8

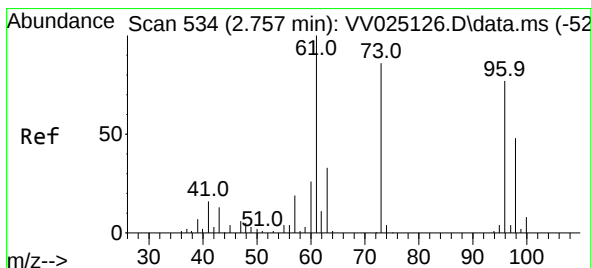
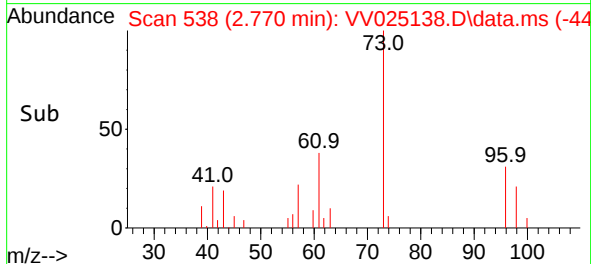
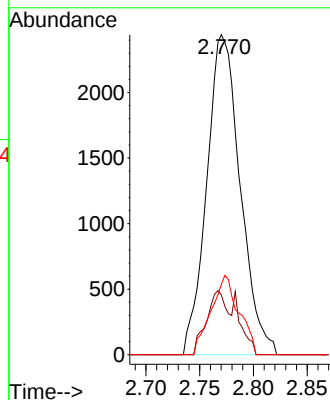
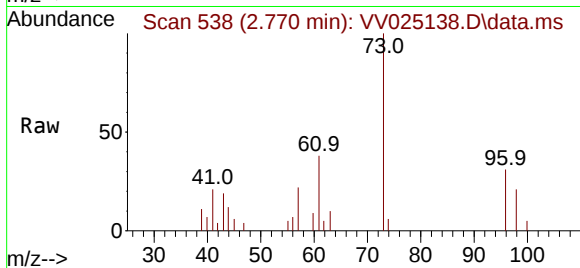
Tgt Ion: 73 Resp: 5296

Ion Ratio Lower Upper

73 100

43 13.0 13.2 19.8#

57 20.6 16.7 25.1



#18

trans-1,2-Dichloroethene

Concen: 0.135 ug/L

RT: 2.770 min Scan# 538

Delta R.T. 0.013 min

Lab File: VV025138.D

Acq: 23 Mar 2022 17:30

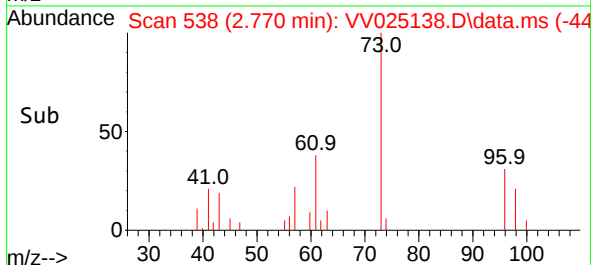
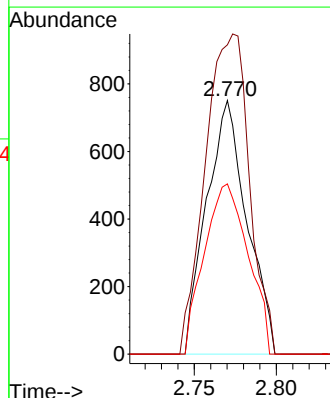
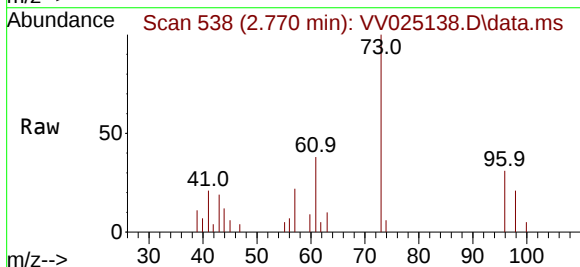
Tgt Ion: 96 Resp: 1286

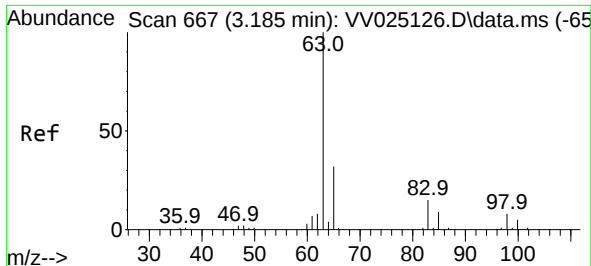
Ion Ratio Lower Upper

96 100

61 122.0 89.2 165.6

98 67.1 43.9 81.5





#19

1,1-Dichloroethane

Concen: 1.593 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.010 min

Lab File: VV025138.D

Acq: 23 Mar 2022 17:30

Instrument :

MSVOA_V

ClientSampleId :

EW5Z8

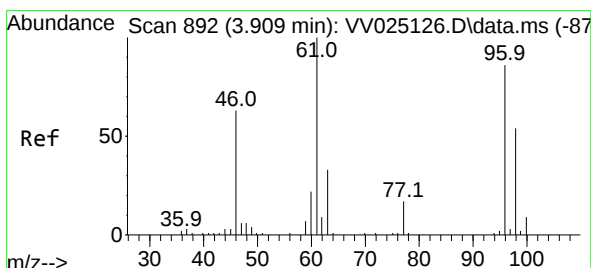
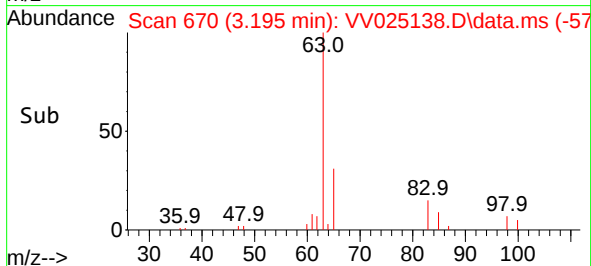
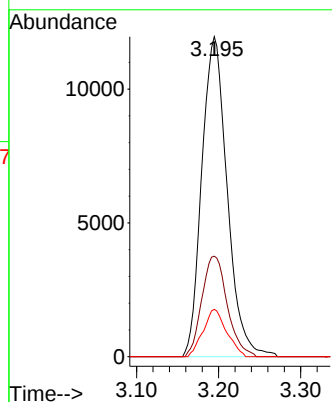
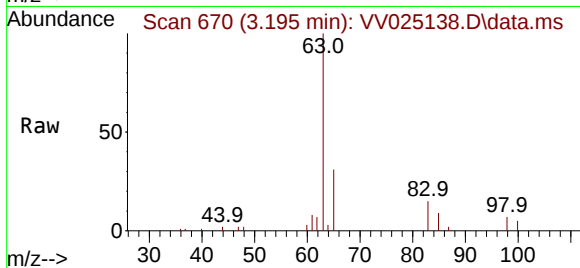
Tgt Ion: 63 Resp: 25762

Ion Ratio Lower Upper

63 100

65 31.4 22.2 41.2

83 14.8 9.4 17.4



#22

cis-1,2-Dichloroethene

Concen: 4.548 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.006 min

Lab File: VV025138.D

Acq: 23 Mar 2022 17:30

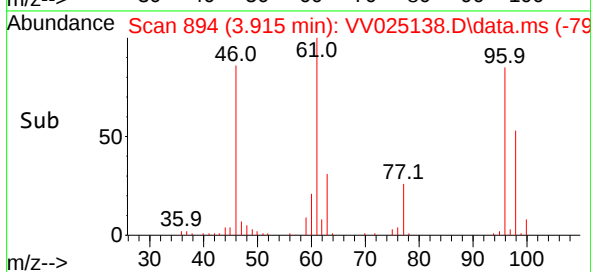
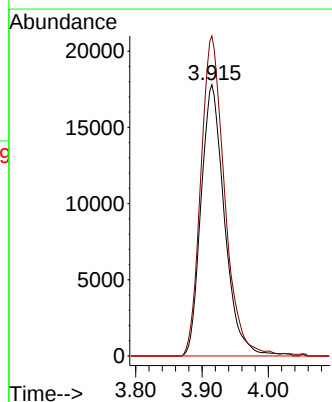
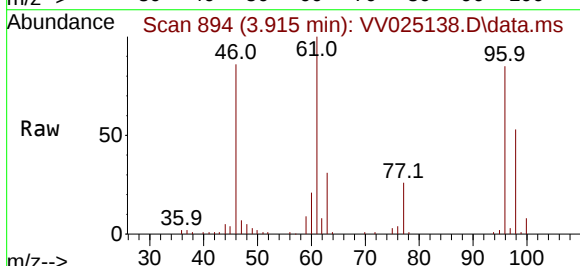
Tgt Ion: 96 Resp: 43633

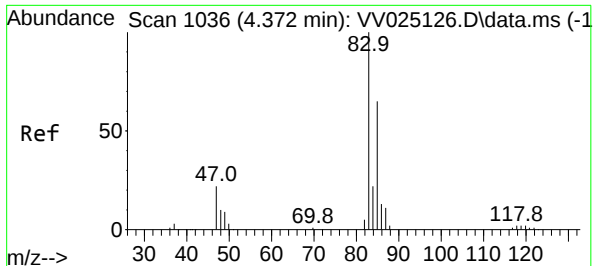
Ion Ratio Lower Upper

96 100

61 118.0 79.7 147.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.330 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV025138.D

Acq: 23 Mar 2022 17:30

Instrument :

MSVOA_V

ClientSampleId :

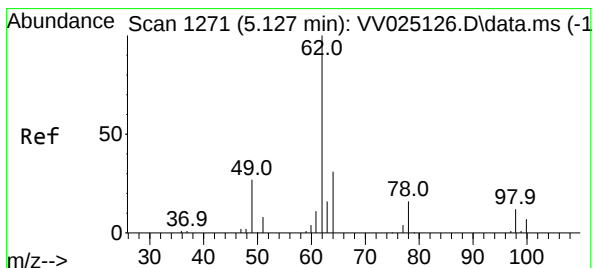
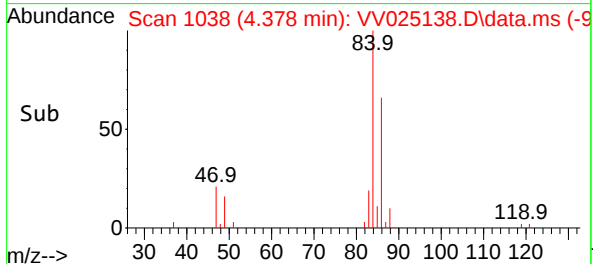
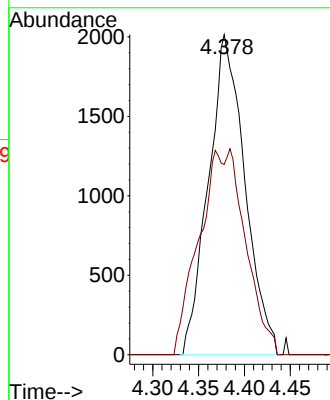
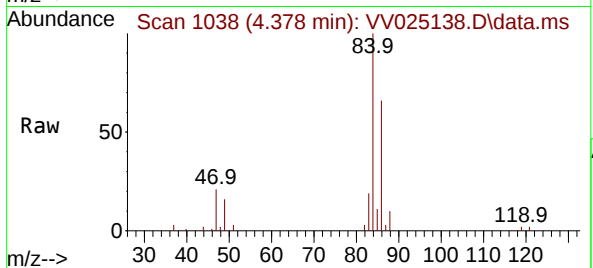
EW5Z8

Tgt Ion: 83 Resp: 5561

Ion Ratio Lower Upper

83 100

85 59.5 44.5 82.7



#27

1,2-Dichloroethane

Concen: 0.379 ug/L

RT: 5.143 min Scan# 1276

Delta R.T. 0.016 min

Lab File: VV025138.D

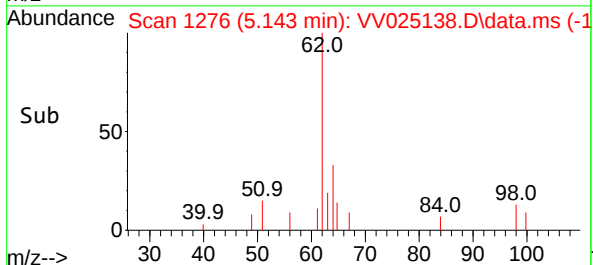
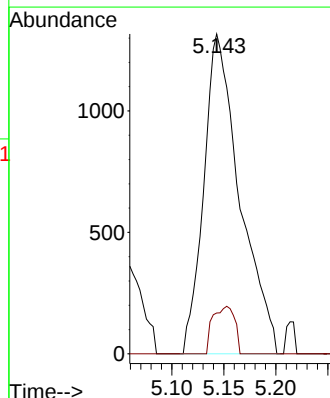
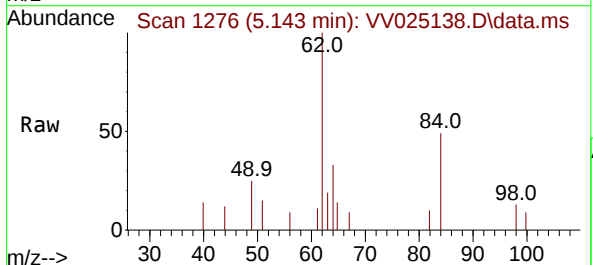
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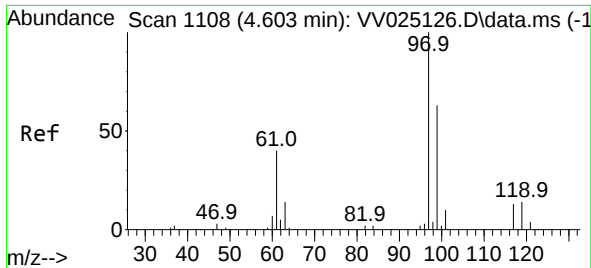
Tgt Ion: 62 Resp: 3173

Ion Ratio Lower Upper

62 100

98 12.8 9.0 13.4

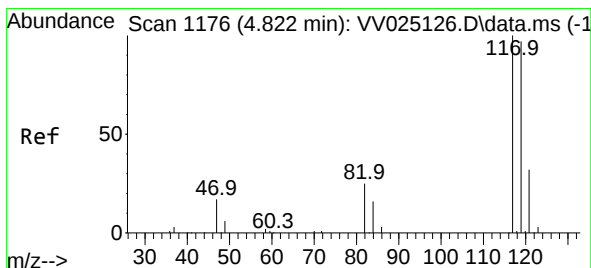
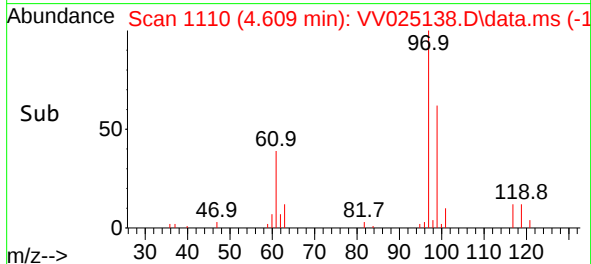
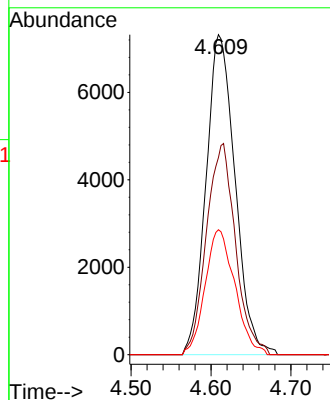
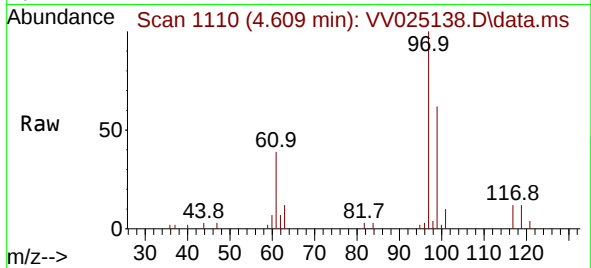




#29
1,1,1-Trichloroethane
Concen: 1.234 ug/L
RT: 4.609 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VV025138.D
Acq: 23 Mar 2022 17:30

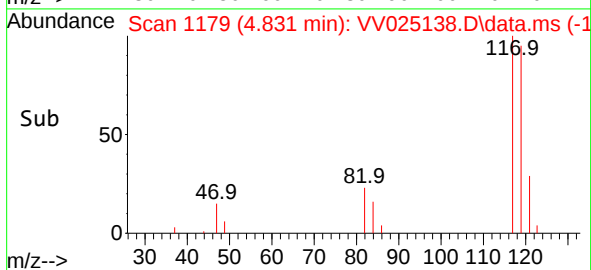
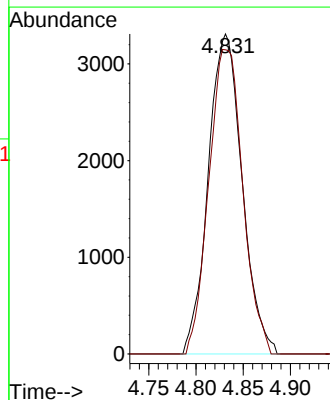
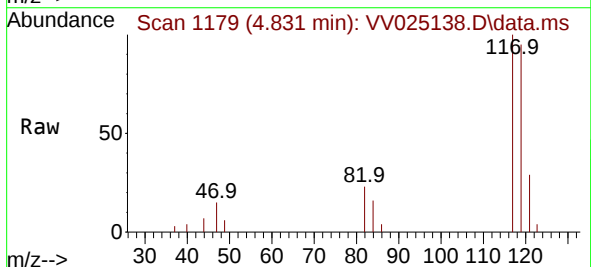
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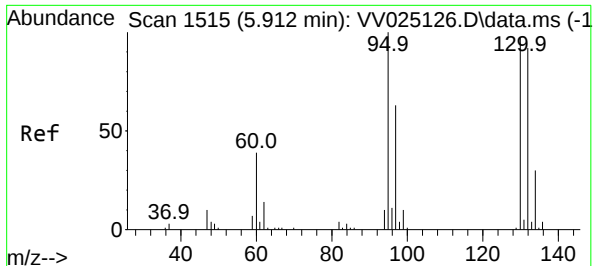
Tgt Ion:	97	Resp:	18487
Ion	Ratio	Lower	Upper
97	100		
99	66.1	50.7	76.1
61	40.0	32.4	48.6



#31
Carbon tetrachloride
Concen: 0.641 ug/L
RT: 4.831 min Scan# 1179
Delta R.T. 0.009 min
Lab File: VV025138.D
Acq: 23 Mar 2022 17:30

Tgt Ion:	117	Resp:	8248
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.8	115.2



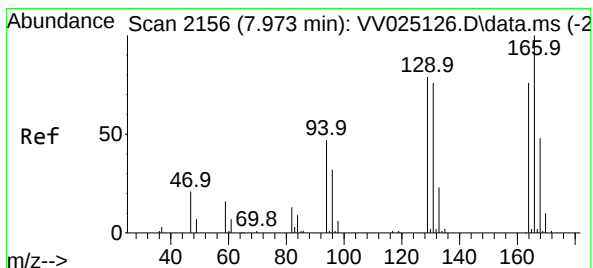
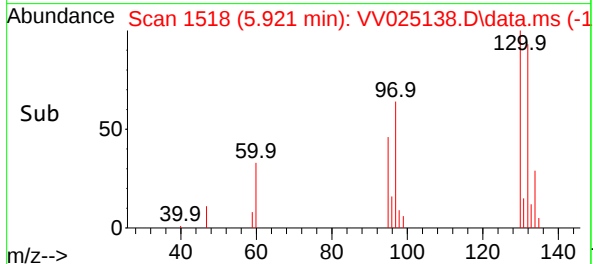
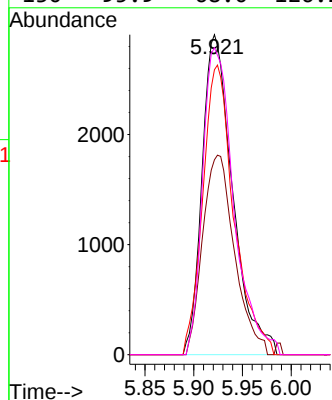
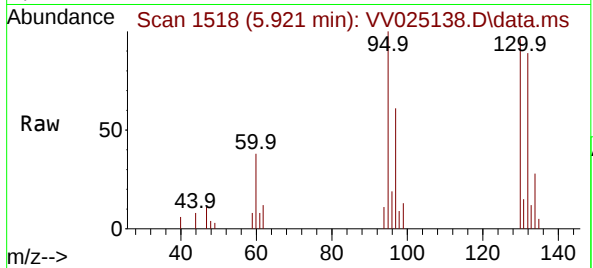


#34
 Trichloroethene
 Concen: 0.624 ug/L
 RT: 5.921 min Scan# 11
 Delta R.T. 0.009 min
 Lab File: VV025138.D
 Acq: 23 Mar 2022 17:30

Instrument :
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Tgt Ion: 95 Resp: 6349

Ion	Ratio	Lower	Upper
95	100		
97	60.9	44.5	82.7
132	89.1	66.5	123.5
130	95.9	68.0	126.2



#47
 Tetrachloroethene
 Concen: 0.527 ug/L
 RT: 7.979 min Scan# 2158
 Delta R.T. 0.006 min
 Lab File: VV025138.D
 Acq: 23 Mar 2022 17:30

Tgt Ion: 164 Resp: 3775

Ion	Ratio	Lower	Upper
164	100		
129	117.1	70.3	130.7
131	97.6	69.4	129.0
166	137.2	90.3	167.7

