

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100721\
 Data File : VW022682.D
 Acq On : 07 Oct 2021 23:04
 Operator : SY/MD
 Sample : M4052-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 04:05:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 08 04:01:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	109041	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	109373	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50228	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	37055	4.939	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.800%
7) Chloroethane-d5	1.568	69	35940	5.331	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.600%
11) 1,1-Dichloroethene-d2	2.111	63	102238	6.947	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	139.000%#
20) 2-Butanone-d5	3.899	46	94780	48.183	ug/L	-0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.360%
24) Chloroform-d	4.349	84	49648	3.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.200%#
26) 1,2-Dichloroethane-d4	5.034	65	36375	4.848	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.053	84	149446	4.590	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.072	67	47073	4.882	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.317	98	126537	4.496	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	7.625	79	14056	4.394	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.092	63	64262	49.852	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.700%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31971	4.894	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	49652	5.332	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	651	0.082	ug/L #	83
5) Vinyl chloride	1.311	62	1626	0.197	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1101	0.157	ug/L #	22
12) 1,1-Dichloroethene	2.118	96	87195	13.239	ug/L #	68
14) Carbon disulfide	2.291	76	1740	0.094	ug/L #	88
17) Methyl tert-butyl Ether	2.770	73	4128	0.259	ug/L	96
18) trans-1,2-Dichloroethene	2.764	96	1514	0.211	ug/L	92
19) 1,1-Dichloroethane	3.192	63	16659	1.291	ug/L	95
22) cis-1,2-Dichloroethene	3.912	96	116828	15.533	ug/L	91
25) Chloroform	4.381	83	30337	2.029	ug/L	99
27) 1,2-Dichloroethane	5.150	62	769	0.103	ug/L #	69
29) 1,1,1-Trichloroethane	4.613	97	6633	0.531	ug/L	99
31) Carbon tetrachloride	4.606	117	852	0.079	ug/L	94
34) Trichloroethene	5.915	95	156656	19.557	ug/L	99
35) Methylcyclohexane	6.072	83	11635	1.037	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	4990	0.704	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1037	0.111	ug/L	86
42) Toluene	7.400	91	4328	0.145	ug/L	88
45) 1,1,2-Trichloroethane	7.850	97	893	0.170	ug/L	90

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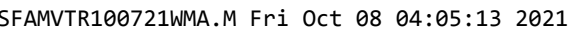
Instrument :
 MSVOA_V
 ClientSampleId :

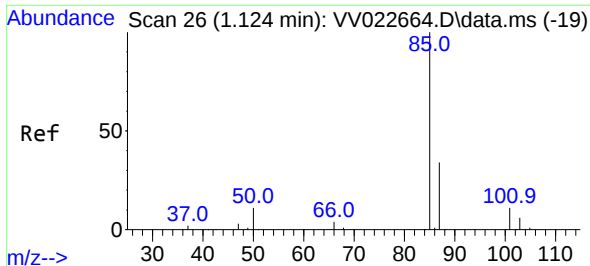
Quant Time: Oct 08 04:05:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 08 04:01:59 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.976	164	247162	38.152	ug/L	99
48) 2-Hexanone	8.146	43	7335	2.635	ug/L #	86
49) Dibromochloromethane	7.976	129	204617	33.249	ug/L #	7
61) 1,2,3-Trichloropropane	11.252	75	5430	1.556	ug/L #	63

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

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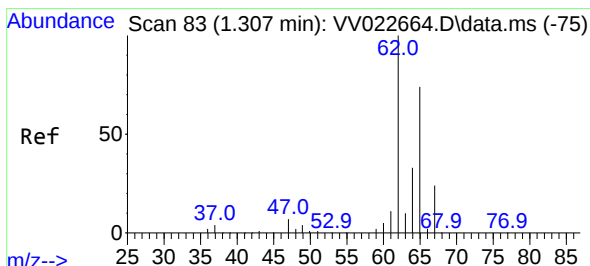
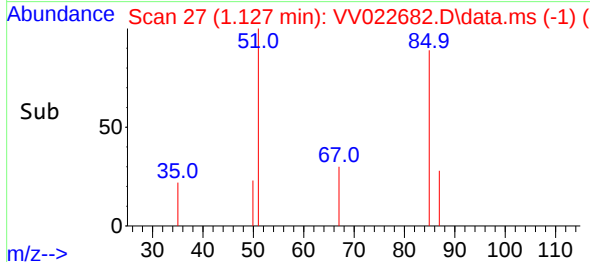
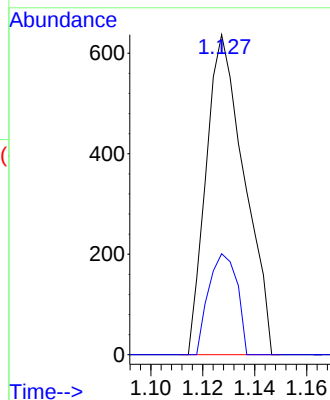
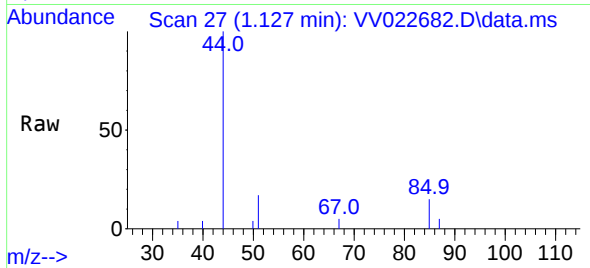




#2
 Dichlorodifluoromethane
 Concen: 0.082 ug/L
 RT: 1.127 min Scan# 27
 Delta R.T. 0.003 min
 Lab File: VV022682.D
 Acq: 07 Oct 2021 23:04

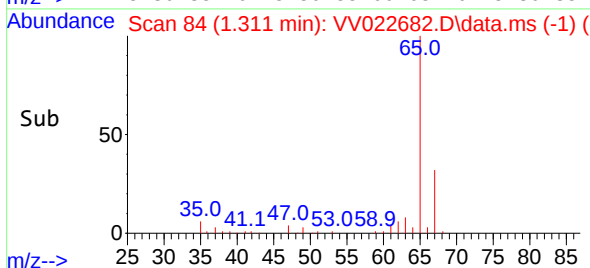
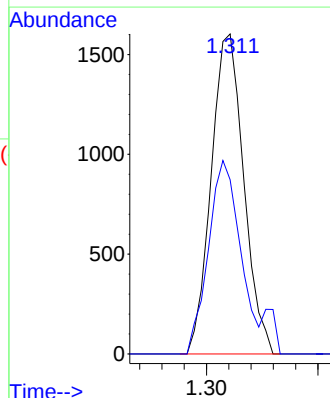
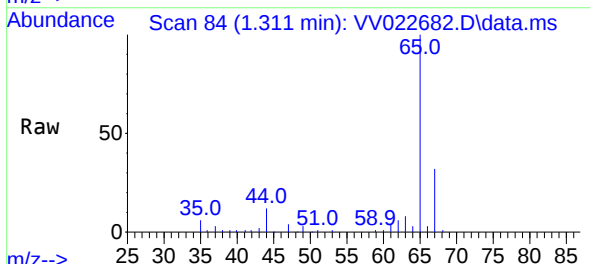
Instrument :
 MSVOA_V
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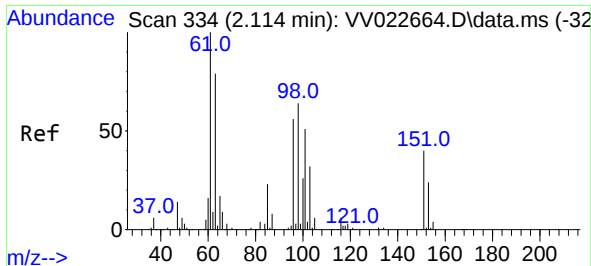
Tgt Ion: 85 Resp: 651
 Ion Ratio Lower Upper
 85 100
 87 23.5 26.3 39.5#



#5
 Vinyl chloride
 Concen: 0.197 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV022682.D
 Acq: 07 Oct 2021 23:04

Tgt Ion: 62 Resp: 1626
 Ion Ratio Lower Upper
 62 100
 64 54.5 23.0 42.8#

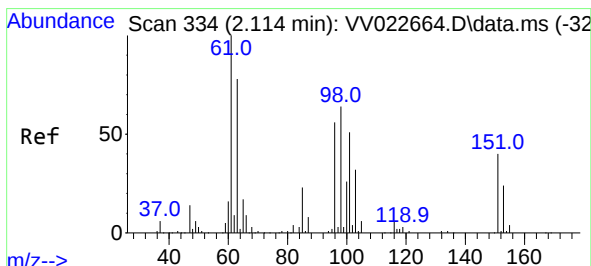
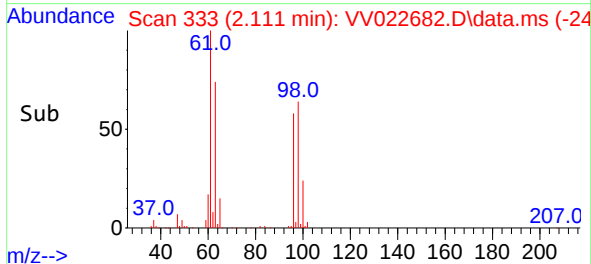
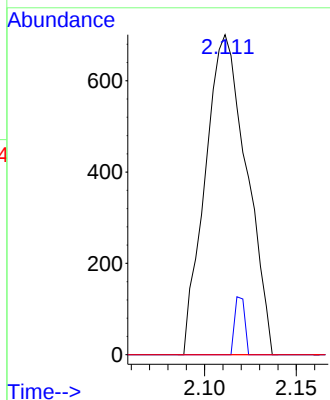
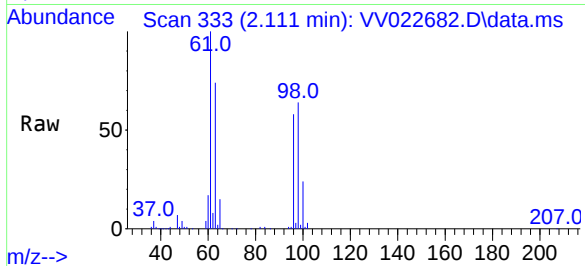




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.157 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

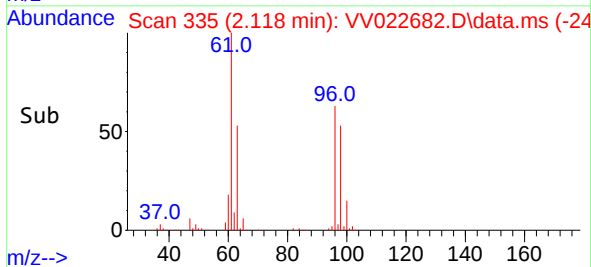
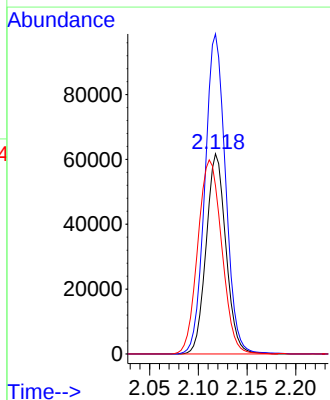
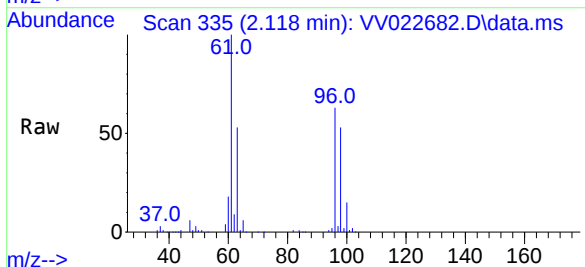
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ClientSampleId :

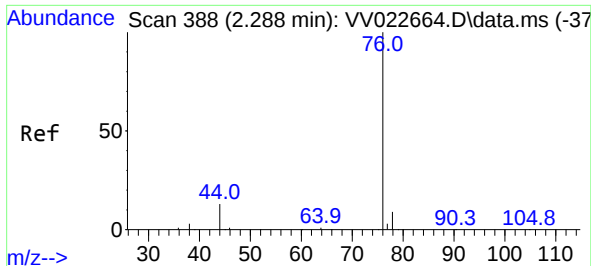
Tgt Ion:101 Resp: 1101
Ion Ratio Lower Upper
101 100
85 4.4 34.6 52.0#
151 0.0 60.9 91.3#



#12
1,1-Dichloroethene
Concen: 13.239 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 96 Resp: 87195
Ion Ratio Lower Upper
96 100
61 159.9 127.3 236.5
63 84.1 106.2 197.2#

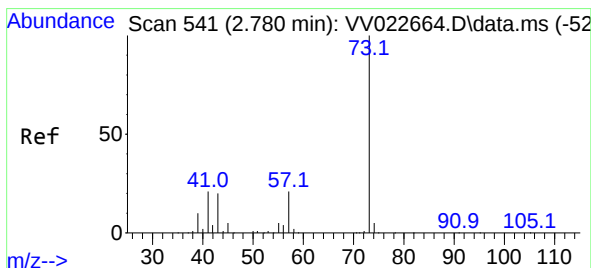
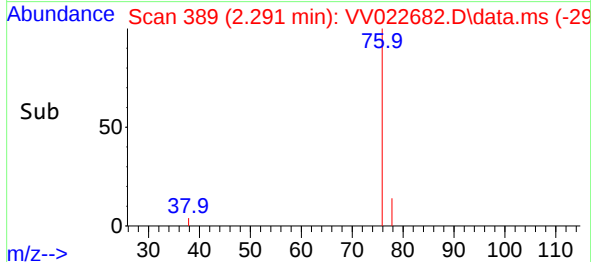
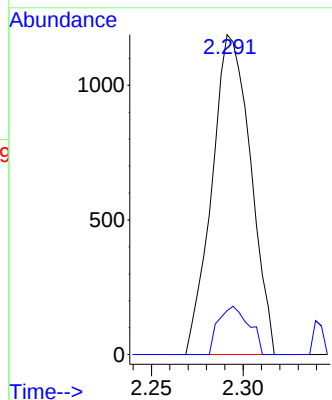
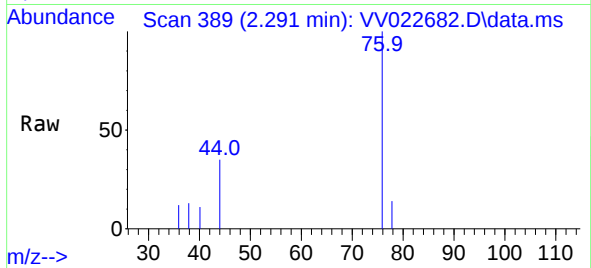




#14
Carbon disulfide
Concen: 0.094 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

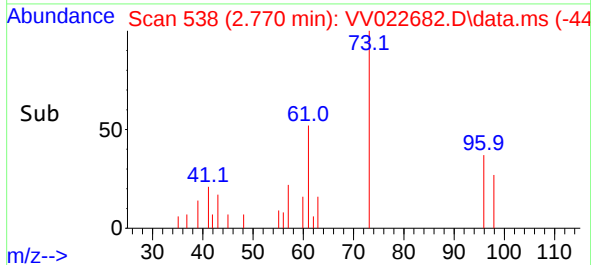
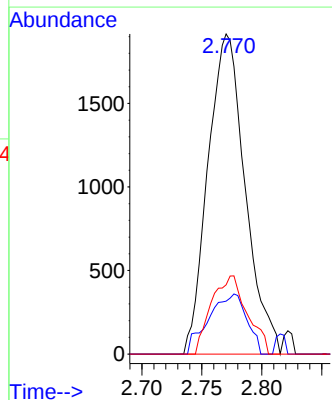
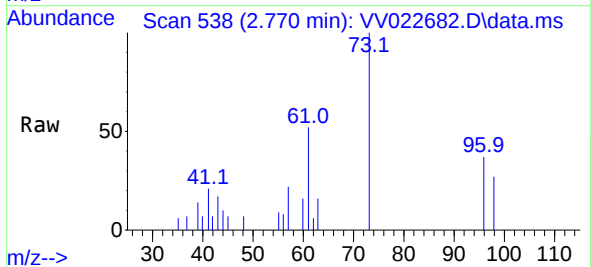
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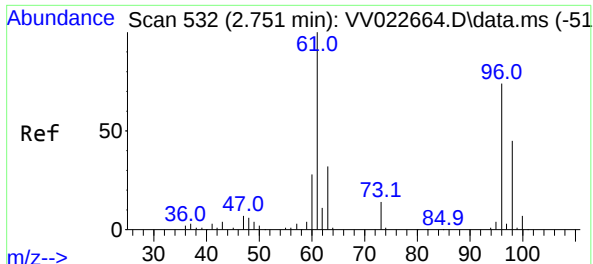
Tgt Ion: 76 Resp: 1740
Ion Ratio Lower Upper
76 100
78 13.7 7.4 11.0#



#17
Methyl tert-butyl Ether
Concen: 0.259 ug/L
RT: 2.770 min Scan# 538
Delta R.T. -0.009 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

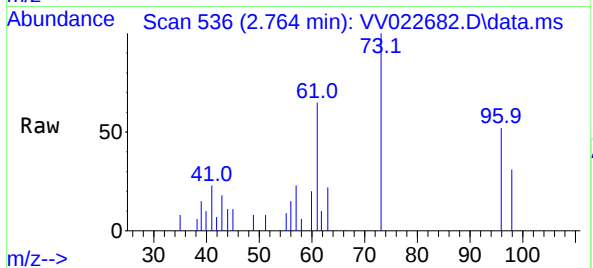
Tgt Ion: 73 Resp: 4128
Ion Ratio Lower Upper
73 100
43 19.3 17.1 25.7
57 23.5 17.2 25.8



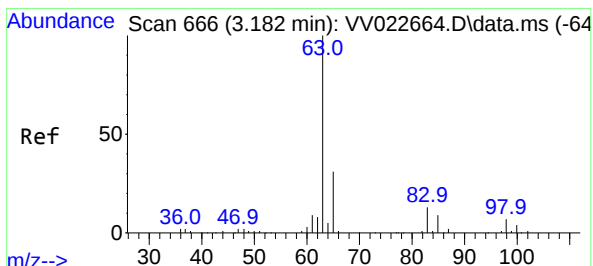
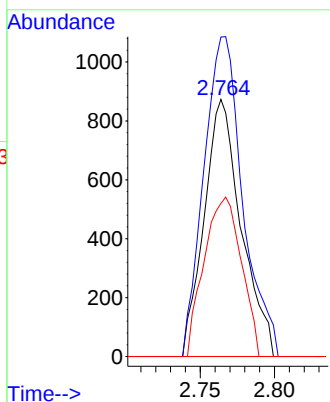
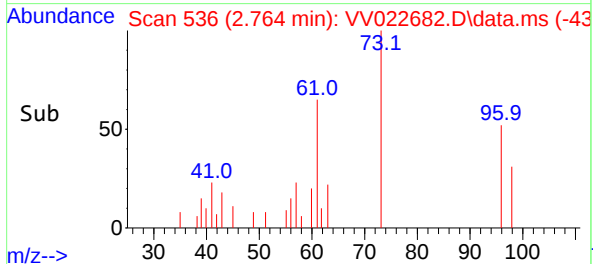


#18
trans-1,2-Dichloroethene
Concen: 0.211 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.013 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

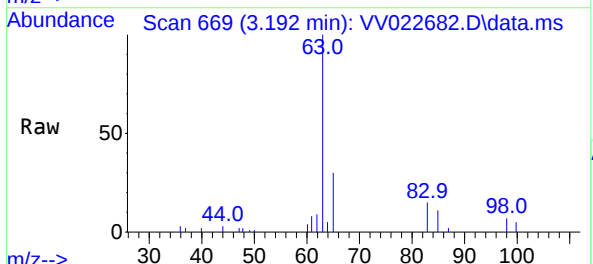
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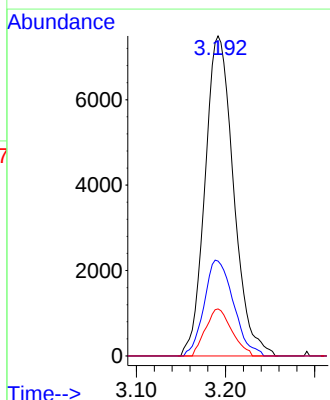
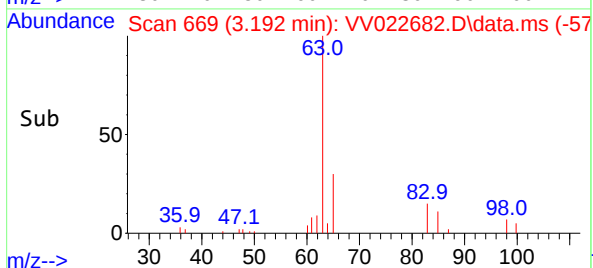
Tgt Ion: 96 Resp: 1514
Ion Ratio Lower Upper
96 100
61 124.3 94.5 175.5
98 59.6 44.2 82.0

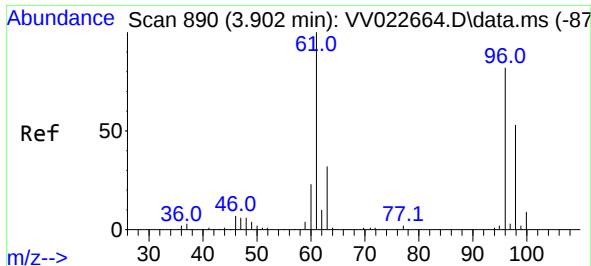


#19
1,1-Dichloroethane
Concen: 1.291 ug/L
RT: 3.192 min Scan# 669
Delta R.T. 0.010 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04



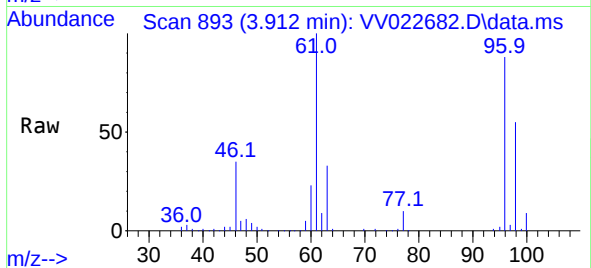
Tgt Ion: 63 Resp: 16659
Ion Ratio Lower Upper
63 100
65 29.7 23.5 43.7
83 14.7 10.1 18.7



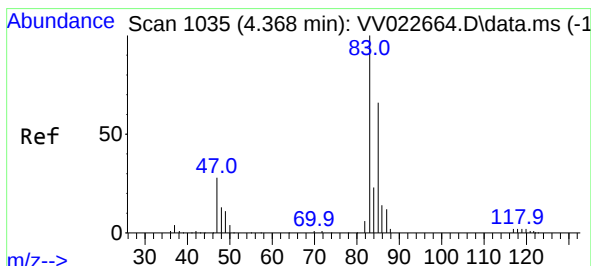
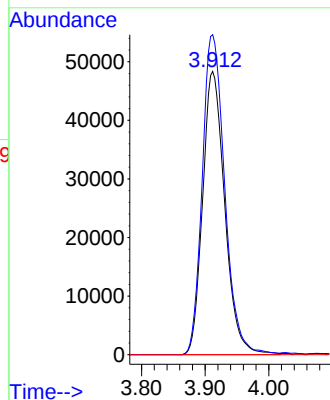
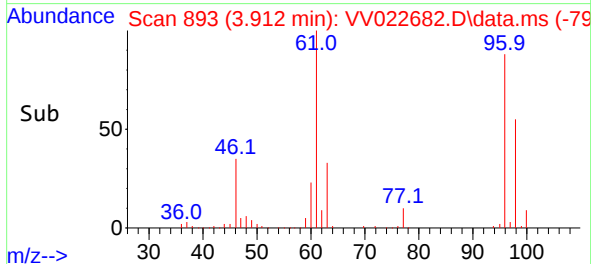


#22
cis-1,2-Dichloroethene
Concen: 15.533 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.010 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

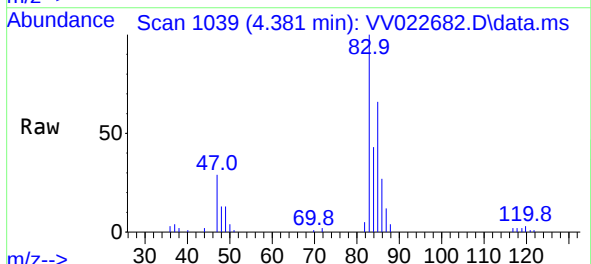
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MSVOA_V
ClientSampled :



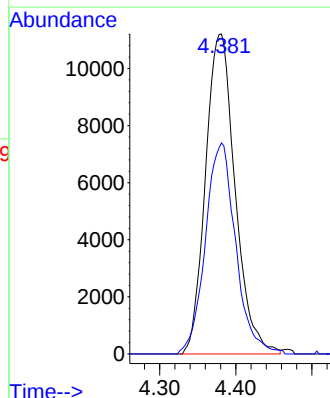
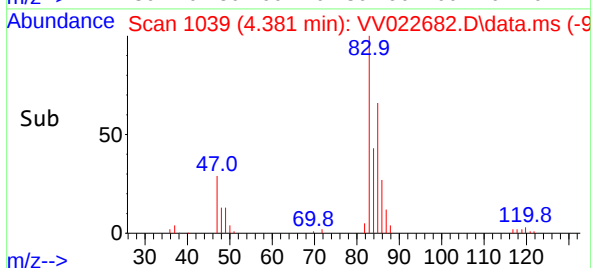
Tgt Ion: 96 Resp: 116828
Ion Ratio Lower Upper
96 100
61 113.0 86.0 159.6
68 0.0 0.0 0.0

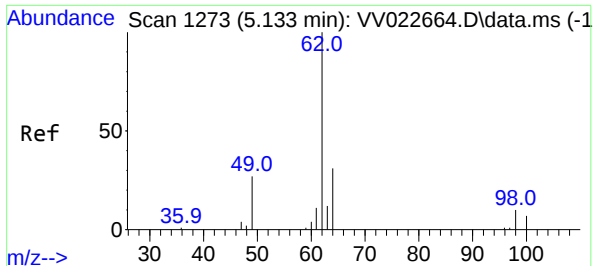


#25
Chloroform
Concen: 2.029 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04



Tgt Ion: 83 Resp: 30337
Ion Ratio Lower Upper
83 100
85 65.9 45.7 84.9

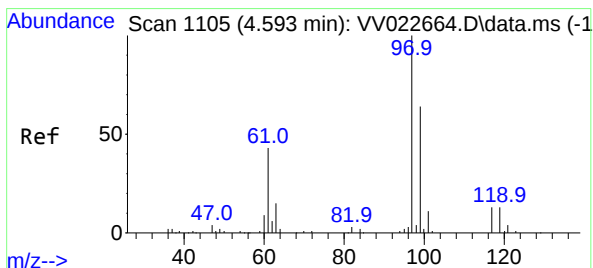
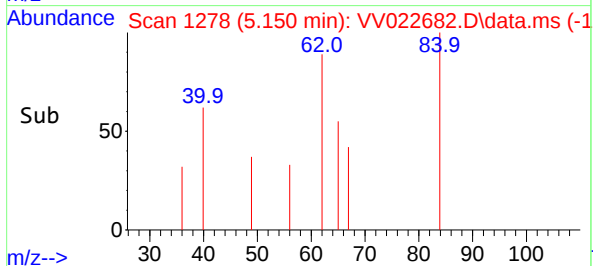
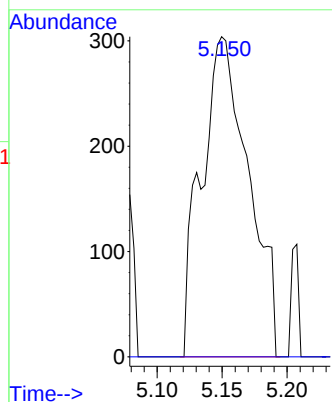
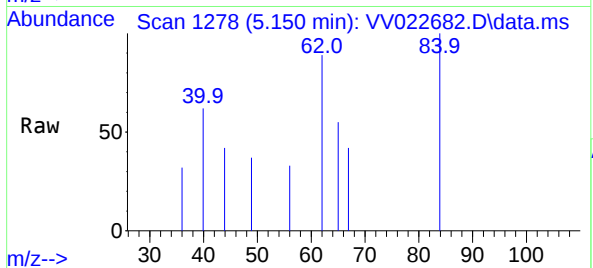




#27
1,2-Dichloroethane
Concen: 0.103 ug/L
RT: 5.150 min Scan# 1278
Delta R.T. 0.016 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

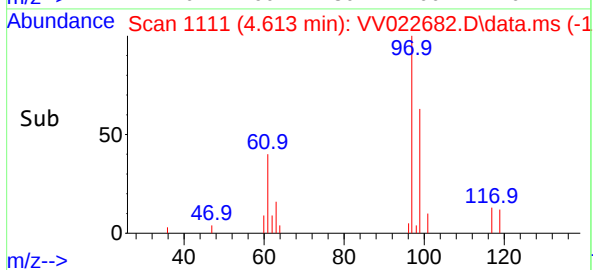
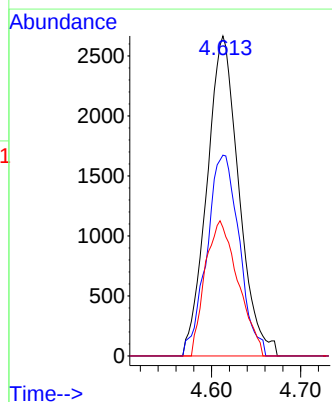
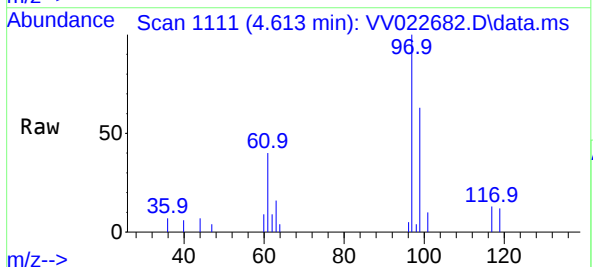
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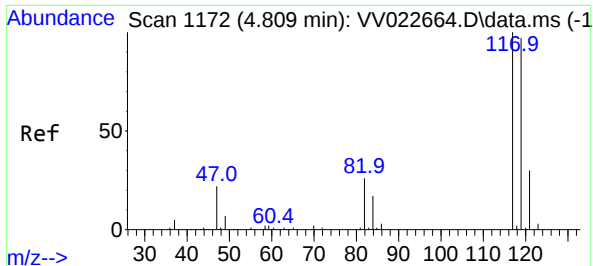
Tgt Ion: 62 Resp: 769
Ion Ratio Lower Upper
62 100
98 0.0 9.7 14.5#



#29
1,1,1-Trichloroethane
Concen: 0.531 ug/L
RT: 4.613 min Scan# 1111
Delta R.T. 0.019 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 97 Resp: 6633
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 43.5 33.2 49.8

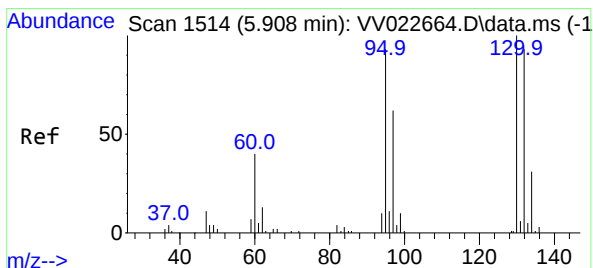
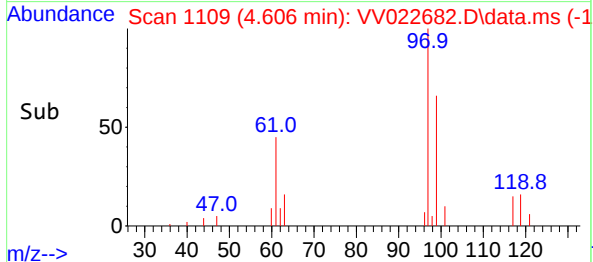
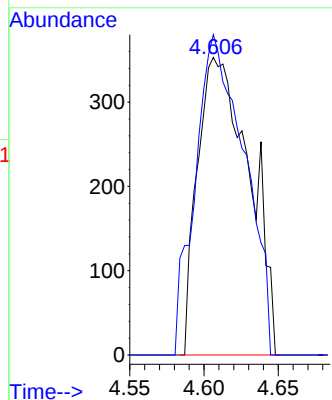
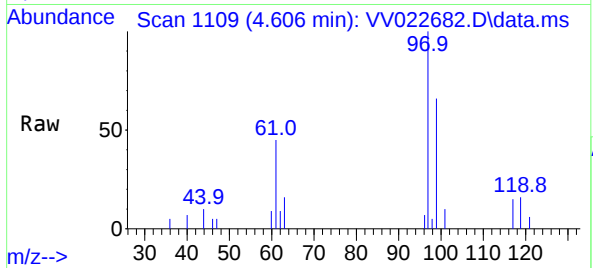




#31
Carbon tetrachloride
Concen: 0.079 ug/L
RT: 4.606 min Scan# 1109
Delta R.T. -0.202 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

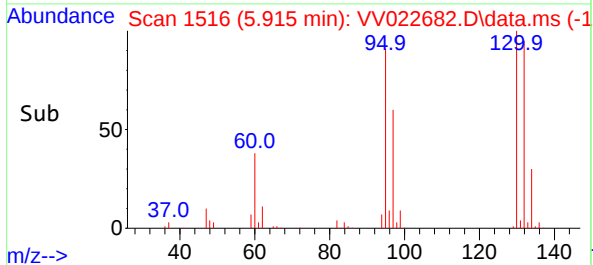
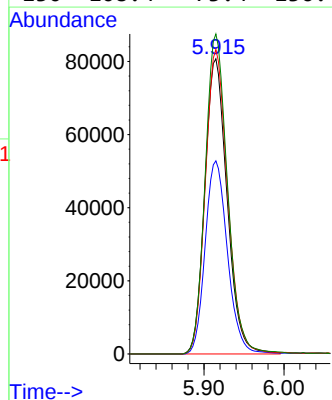
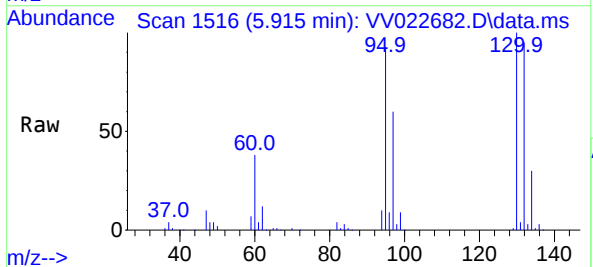
Instrument :
MSVOA_V
ClientSampleId :

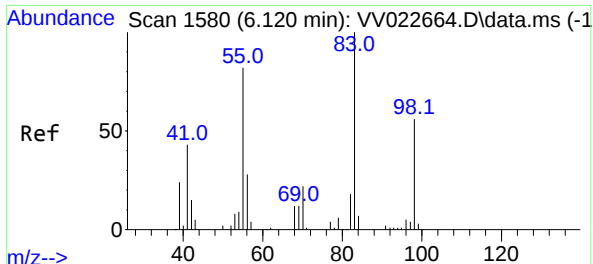
Tgt Ion:117 Resp: 852
Ion Ratio Lower Upper
117 100
119 102.6 77.4 116.0



#34
Trichloroethene
Concen: 19.557 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.007 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 95 Resp: 156656
Ion Ratio Lower Upper
95 100
97 65.4 45.8 85.2
132 103.1 72.2 134.0
130 108.4 73.4 136.4

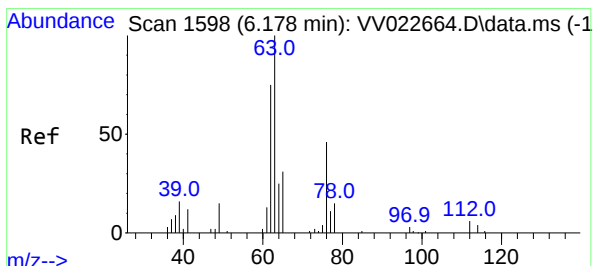
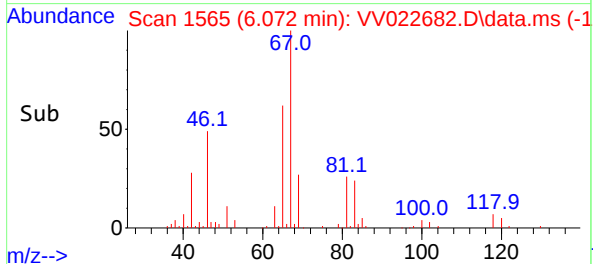
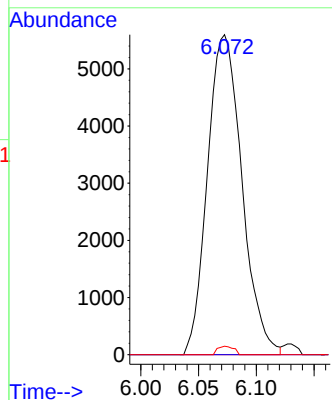
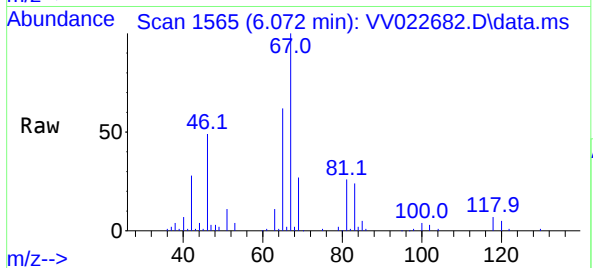




#35
Methylcyclohexane
Concen: 1.037 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.048 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

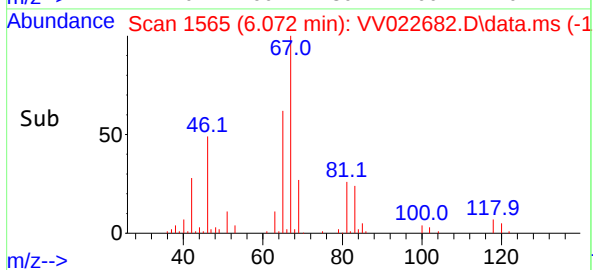
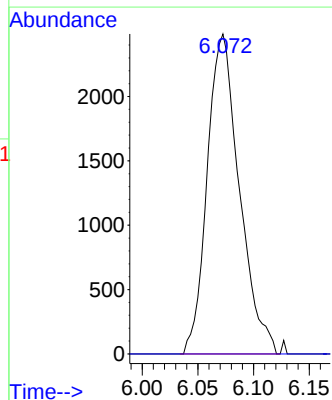
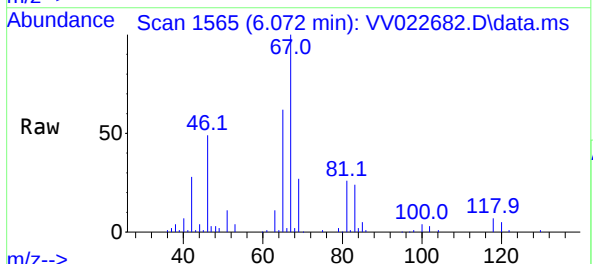
Instrument :
MSVOA_V
ClientSampled :

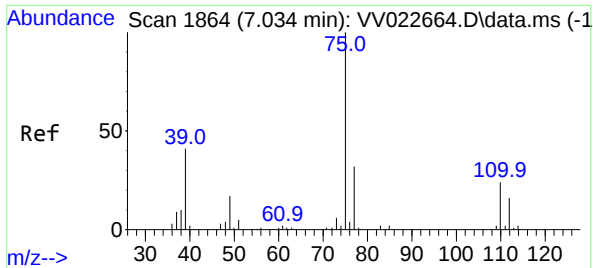
Tgt Ion: 83 Resp: 11635
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.6#
98 1.7 42.1 63.1#



#37
1,2-Dichloropropane
Concen: 0.704 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.106 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 63 Resp: 4990
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#

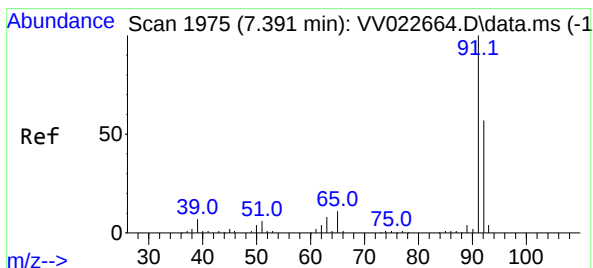
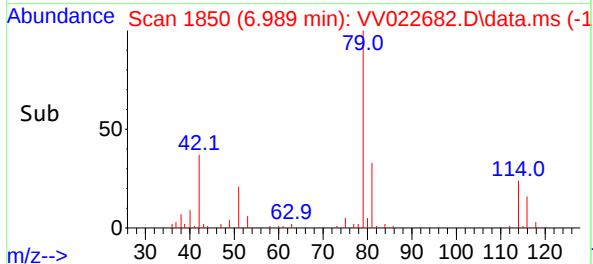
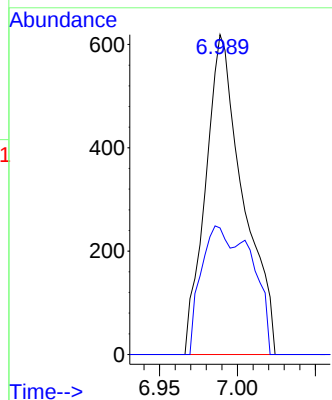
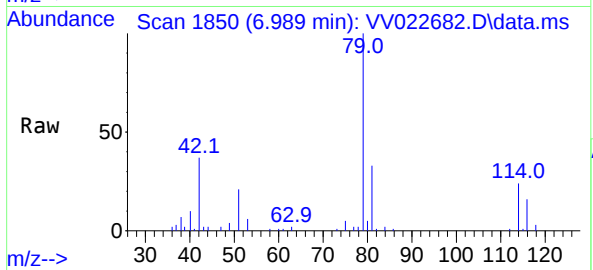




#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 6.989 min Scan# 1850
 Delta R.T. -0.045 min
 Lab File: VV022682.D
 Acq: 07 Oct 2021 23:04

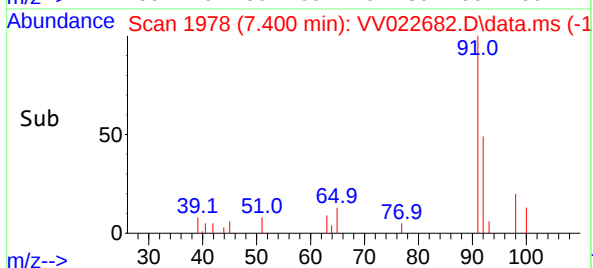
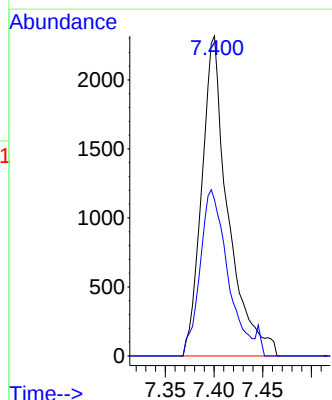
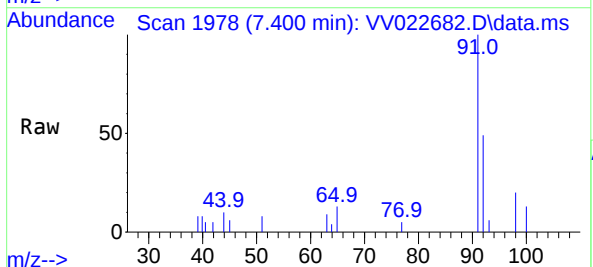
Instrument :
 MSVOA_V
 ClientSampled :

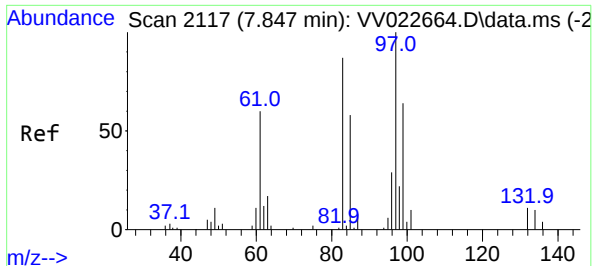
Tgt Ion: 75 Resp: 1037
 Ion Ratio Lower Upper
 75 100
 77 39.6 22.3 41.3



#42
 Toluene
 Concen: 0.145 ug/L
 RT: 7.400 min Scan# 1978
 Delta R.T. 0.010 min
 Lab File: VV022682.D
 Acq: 07 Oct 2021 23:04

Tgt Ion: 91 Resp: 4328
 Ion Ratio Lower Upper
 91 100
 92 48.9 40.7 75.7



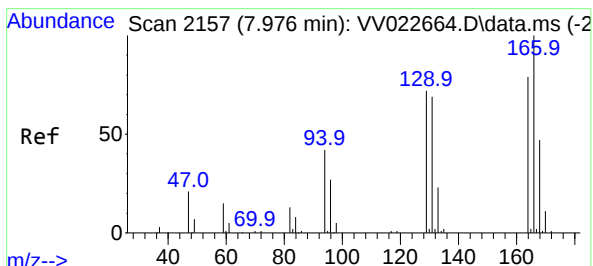
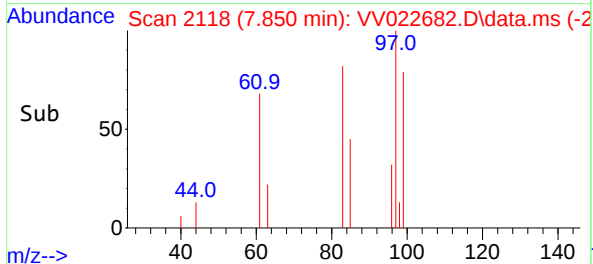
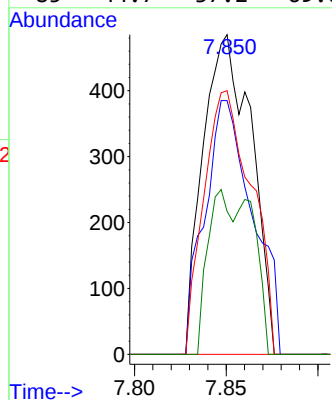
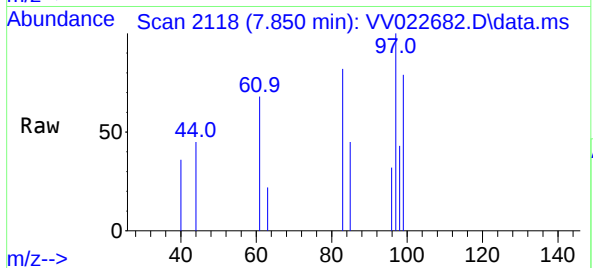


#45
1,1,2-Trichloroethane
Concen: 0.170 ug/L
RT: 7.850 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 97 Resp: 893

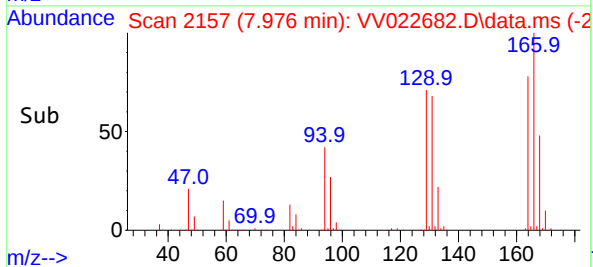
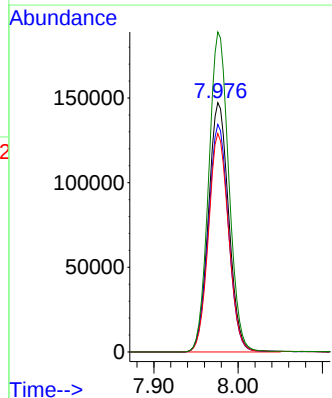
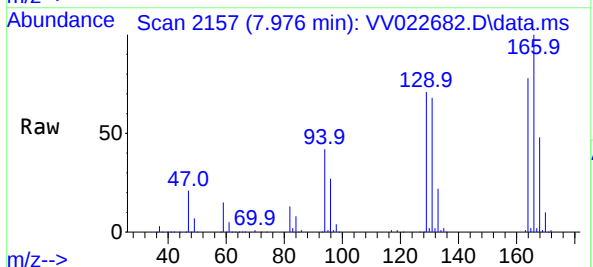
Ion	Ratio	Lower	Upper
97	100		
99	79.4	44.5	82.7
83	82.5	56.6	105.0
85	44.7	37.2	69.0

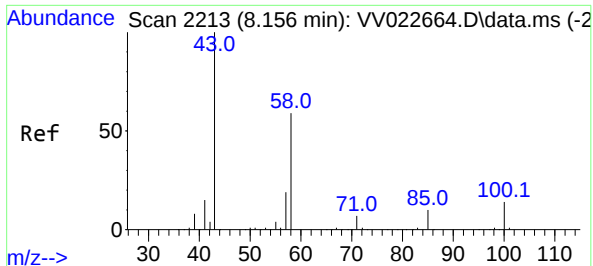


#47
Tetrachloroethene
Concen: 38.152 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 164 Resp: 247162

Ion	Ratio	Lower	Upper
164	100		
129	91.3	65.0	120.6
131	87.7	62.2	115.4
166	128.4	89.2	165.8



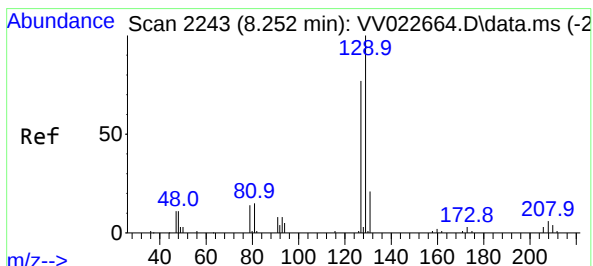
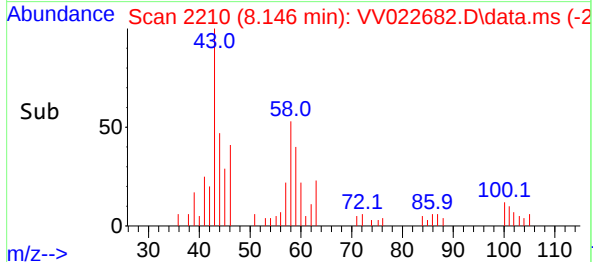
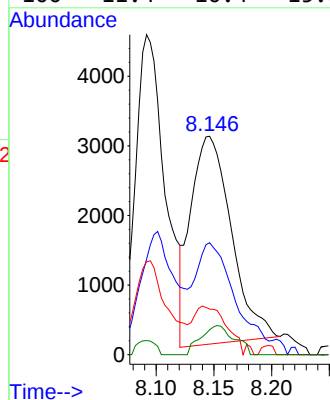
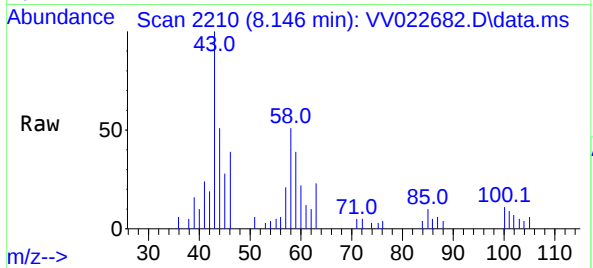


#48
2-Hexanone
Concen: 2.635 ug/L
RT: 8.146 min Scan# 2210
Delta R.T. -0.009 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 43 Resp: 7335

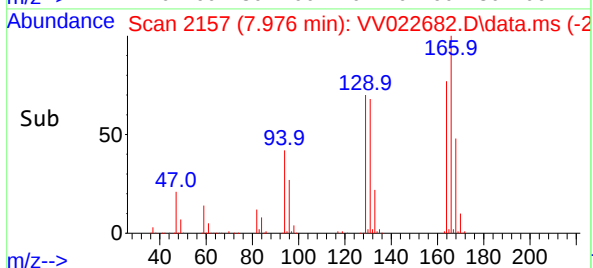
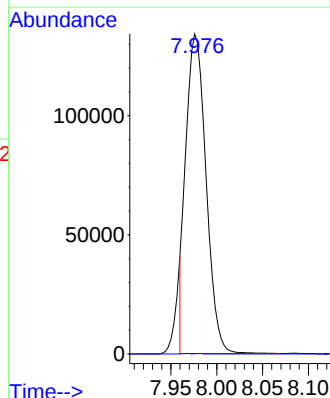
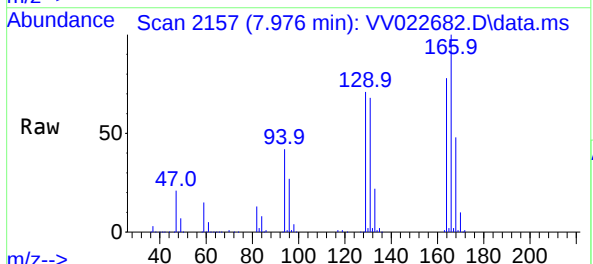
Ion	Ratio	Lower	Upper
43	100		
58	44.5	47.4	71.0#
57	19.7	15.3	22.9
100	11.4	10.4	15.6

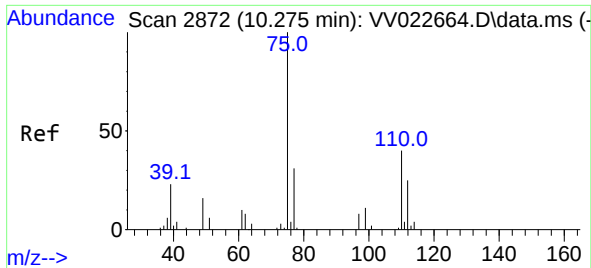


#49
Dibromochloromethane
Concen: 33.249 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.276 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 129 Resp: 204617

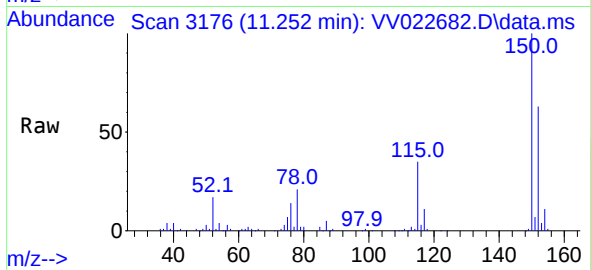
Ion	Ratio	Lower	Upper
129	100		
127	0.1	59.1	109.9#





#61
1,2,3-Trichloropropane
Concen: 1.556 ug/L
RT: 11.252 min Scan# 3176
Delta R.T. 0.978 min
Lab File: VV022682.D
Acq: 07 Oct 2021 23:04

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 75 Resp: 5430
Ion Ratio Lower Upper
75 100
77 30.0 25.4 38.2
110 3.3 34.2 51.4#

