

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100721\
 Data File : VW022673.D
 Acq On : 07 Oct 2021 19:29
 Operator : SY/MD
 Sample : M4052-01DL 4X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 04:04:01 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	5.616	114	116925	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	115175	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	51348	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	38364	4.769	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.400%
7) Chloroethane-d5	1.568	69	33864	4.684	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.105	63	57134	3.621	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.400%
20) 2-Butanone-d5	3.915	46	83948	39.798	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.600%
24) Chloroform-d	4.346	84	74995	4.524	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.034	65	37040	4.603	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
32) Benzene-d6	5.047	84	150860	4.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.072	67	46342	4.564	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.317	98	123737	4.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	7.628	79	14994	4.451	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.098	63	58085	42.791	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.580%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31315	4.553	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	48000	5.042	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	1027	0.116	ug/L #	1
6) Bromomethane	1.523	94	241	0.044	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	2390	0.317	ug/L	87
12) 1,1-Dichloroethene	2.114	96	1660	0.235	ug/L #	1
16) Methylene chloride	2.503	84	5051	0.520	ug/L	86
17) Methyl tert-butyl Ether	2.773	73	5777	0.338	ug/L #	85
18) trans-1,2-Dichloroethene	2.751	96	542	0.071	ug/L	81
19) 1,1-Dichloroethane	3.185	63	905	0.065	ug/L #	85
22) cis-1,2-Dichloroethene	3.905	96	44514	5.519	ug/L	97
25) Chloroform	4.375	83	5692	0.355	ug/L	95
34) Trichloroethene	5.911	95	29207	3.462	ug/L	99
35) Methylcyclohexane	6.072	83	11426	0.967	ug/L #	17
37) 1,2-Dichloropropane	6.075	63	5073	0.680	ug/L #	84
39) cis-1,3-Dichloropropene	6.995	75	1032	0.104	ug/L #	72
42) Toluene	7.400	91	1959	0.062	ug/L	88
47) Tetrachloroethene	7.979	164	5496	0.806	ug/L	93
48) 2-Hexanone	8.149	43	6473	2.208	ug/L #	79
49) Dibromochloromethane	7.976	129	4664	0.720	ug/L #	7
61) 1,2,3-Trichloropropane	11.252	75	6087	1.706	ug/L #	63

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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

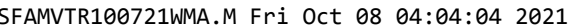
Instrument :
MSVOA_V
ClientSampleId :

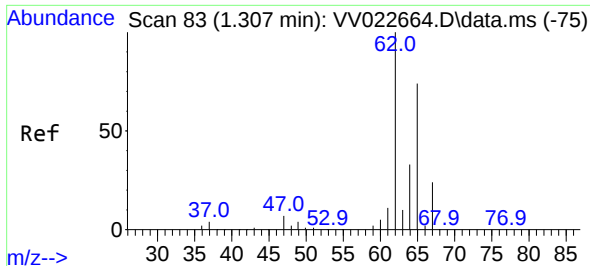
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 08 04:01:59 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.644	146	839	0.065	ug/L	# 76

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
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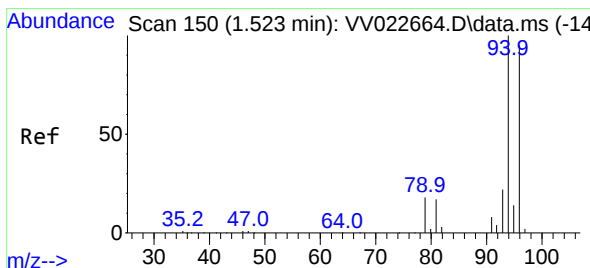
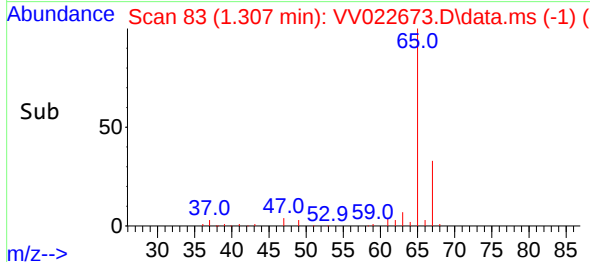
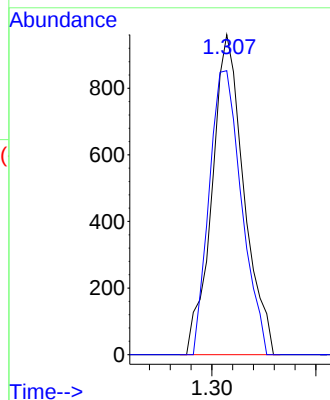
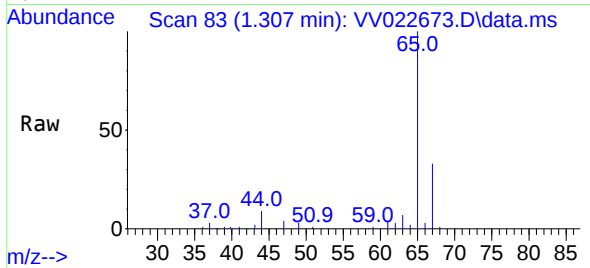




#5
 Vinyl chloride
 Concen: 0.116 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV022673.D
 Acq: 07 Oct 2021 19:29

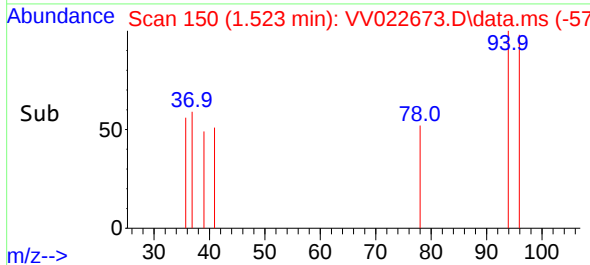
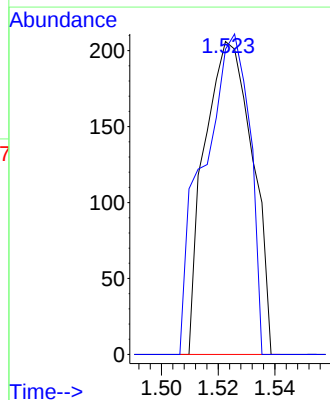
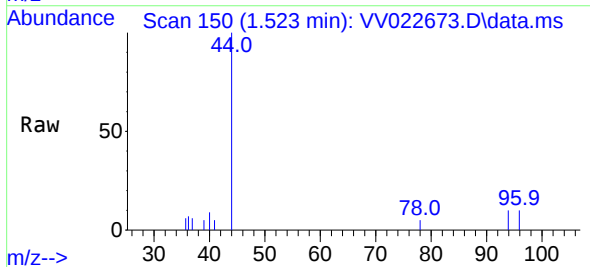
Instrument :
 MSVOA_V
 ClientSampled :

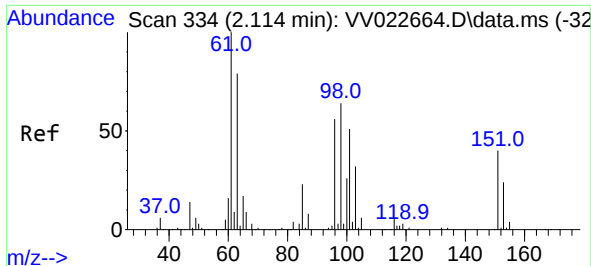
Tgt Ion: 62 Resp: 1027
 Ion Ratio Lower Upper
 62 100
 64 88.8 23.0 42.8#



#6
 Bromomethane
 Concen: 0.044 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV022673.D
 Acq: 07 Oct 2021 19:29

Tgt Ion: 94 Resp: 241
 Ion Ratio Lower Upper
 94 100
 96 97.6 67.2 124.8

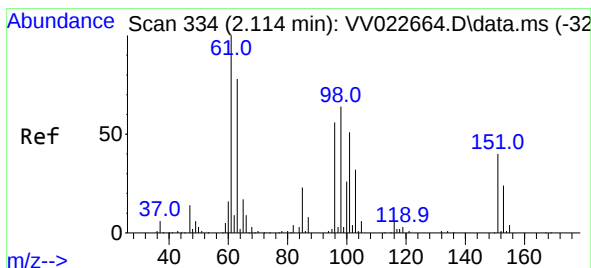
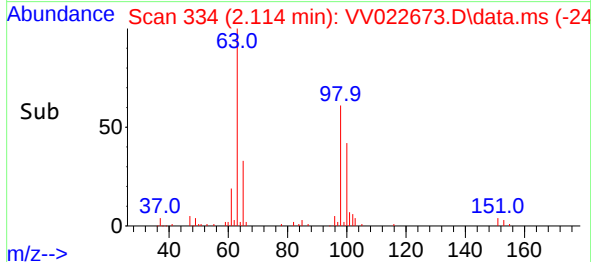
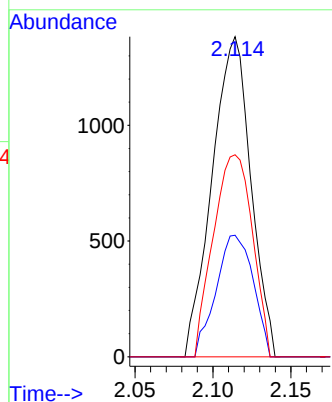
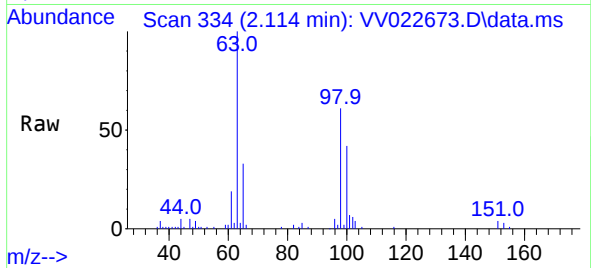




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.317 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

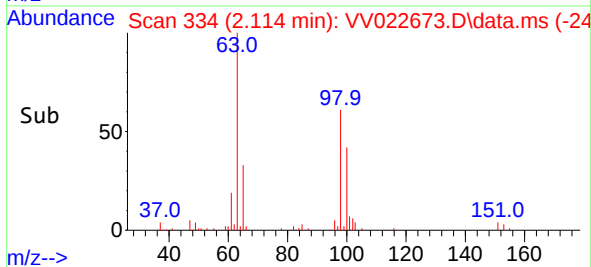
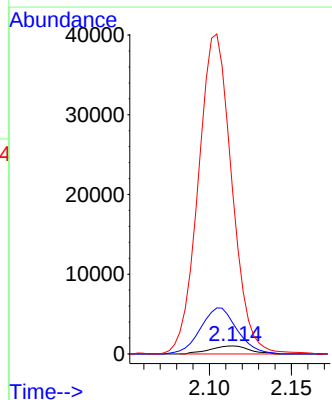
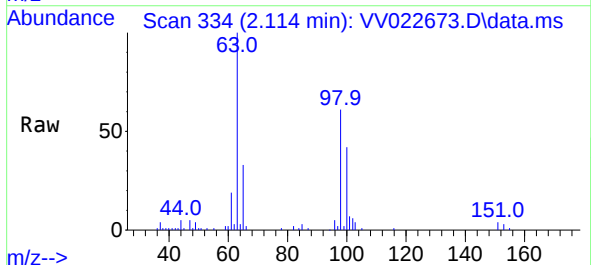
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ClientSampleId :

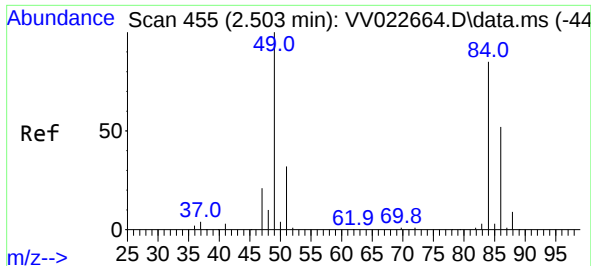
Tgt Ion:101 Resp: 2390
Ion Ratio Lower Upper
101 100
85 36.3 34.6 52.0
151 63.7 60.9 91.3



#12
1,1-Dichloroethene
Concen: 0.235 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Tgt Ion: 96 Resp: 1660
Ion Ratio Lower Upper
96 100
61 385.7 127.3 236.5#
63 2018.3 106.2 197.2#

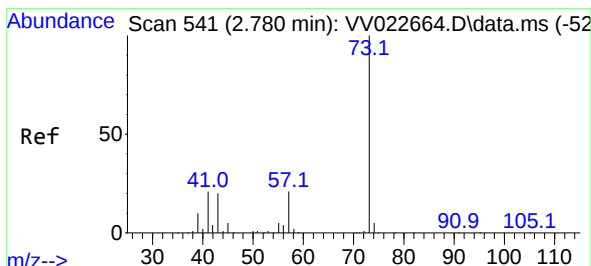
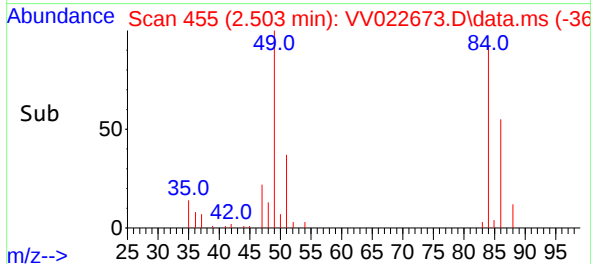
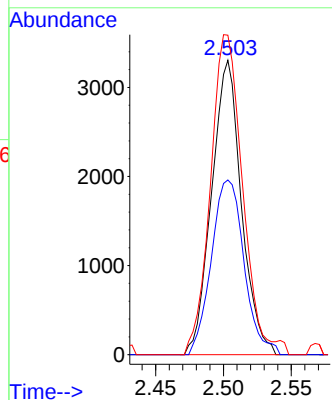
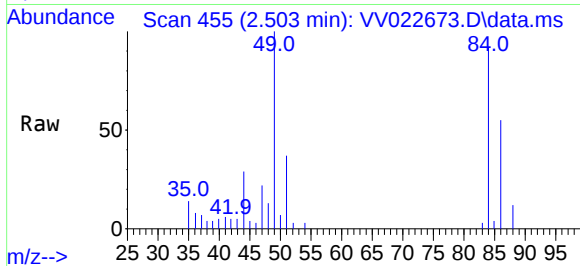




#16
Methylene chloride
Concen: 0.520 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.000 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

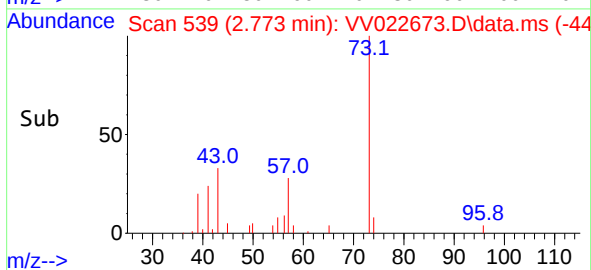
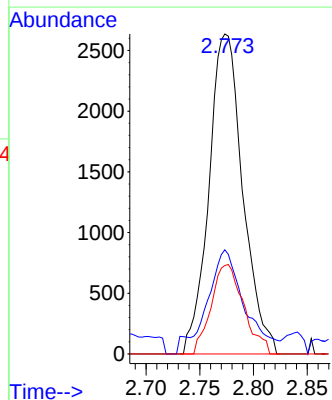
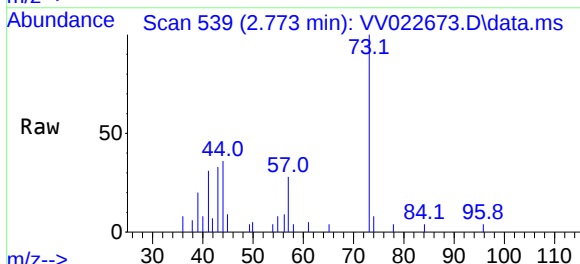
Instrument :
MSVOA_V
ClientSampled :

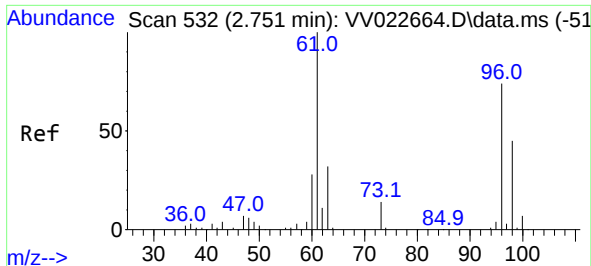
Tgt Ion:	84	Resp:	5051
Ion	Ratio	Lower	Upper
84	100		
86	59.4	45.8	85.2
49	108.6	90.3	167.7



#17
Methyl tert-butyl Ether
Concen: 0.338 ug/L
RT: 2.773 min Scan# 539
Delta R.T. -0.006 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Tgt Ion:	73	Resp:	5777
Ion	Ratio	Lower	Upper
73	100		
43	29.8	17.1	25.7#
57	26.8	17.2	25.8#



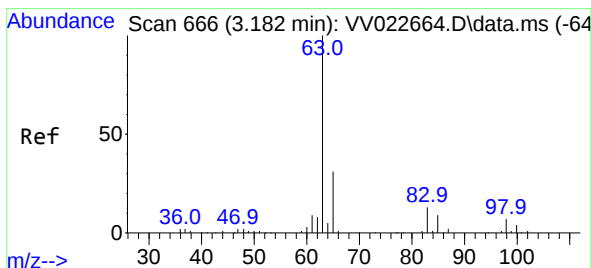
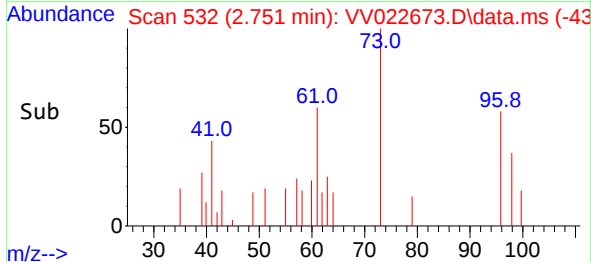
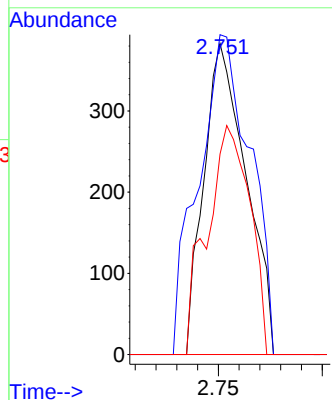
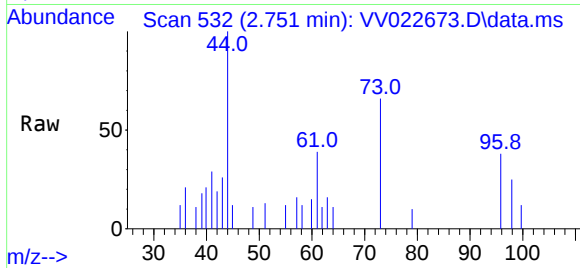


#18
trans-1,2-Dichloroethene
Concen: 0.071 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.000 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 96 Resp: 542

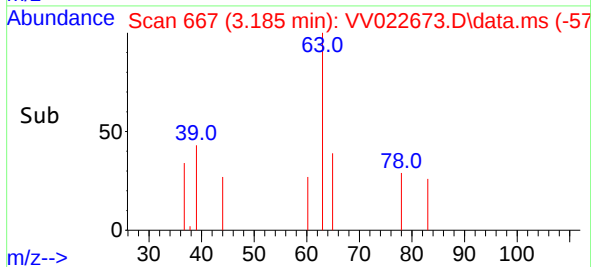
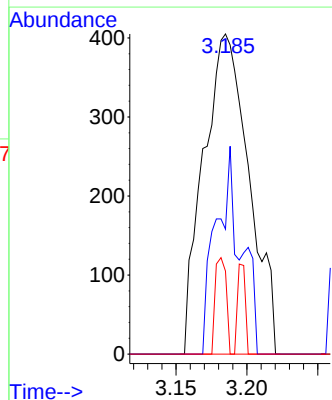
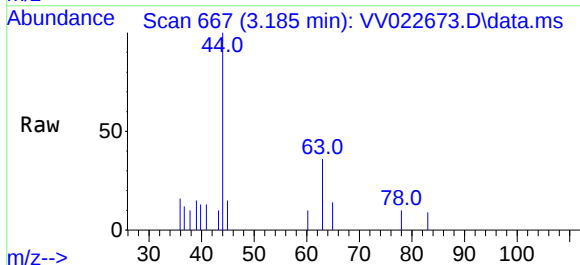
Ion	Ratio	Lower	Upper
96	100		
61	102.9	94.5	175.5
98	64.5	44.2	82.0

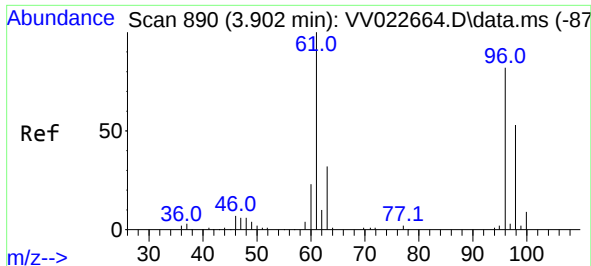


#19
1,1-Dichloroethane
Concen: 0.065 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Tgt Ion: 63 Resp: 905

Ion	Ratio	Lower	Upper
63	100		
65	39.0	23.5	43.7
83	25.9	10.1	18.7

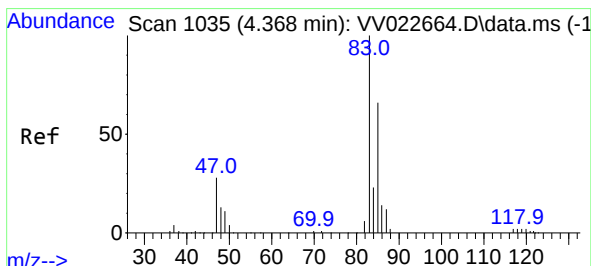
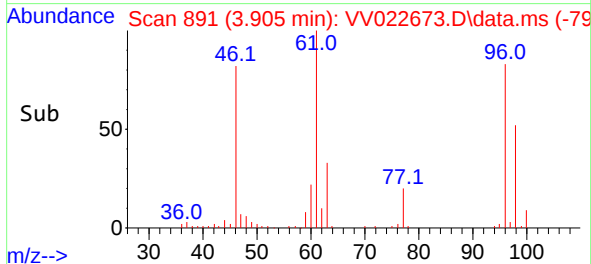
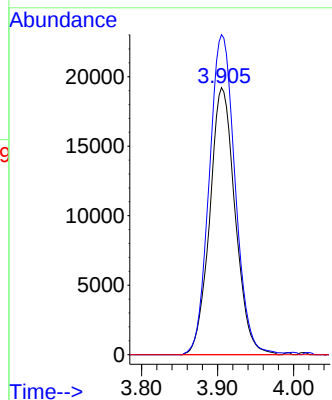
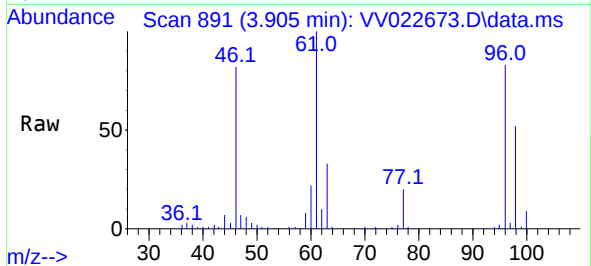




#22
cis-1,2-Dichloroethene
Concen: 5.519 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.003 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

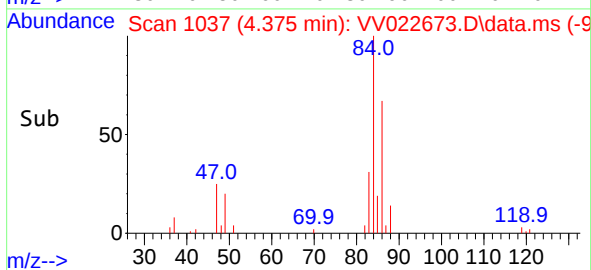
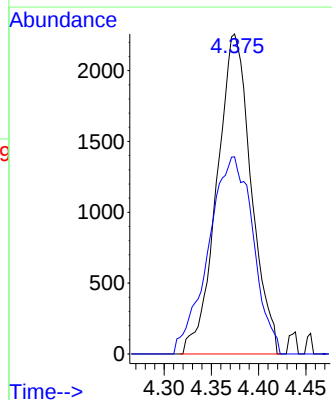
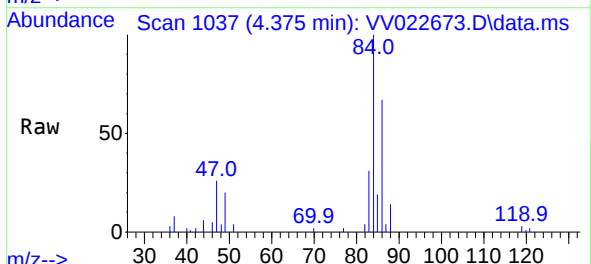
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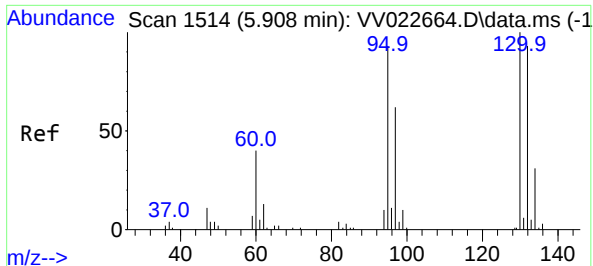
Tgt Ion: 96 Resp: 44514
Ion Ratio Lower Upper
96 100
61 119.8 86.0 159.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.355 ug/L
RT: 4.375 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Tgt Ion: 83 Resp: 5692
Ion Ratio Lower Upper
83 100
85 61.6 45.7 84.9

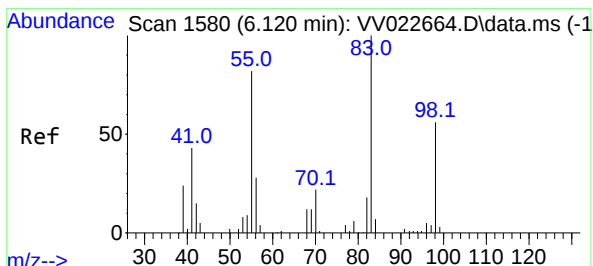
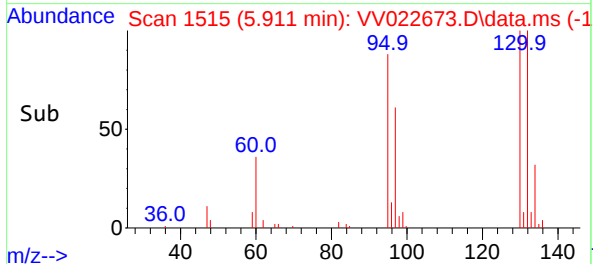
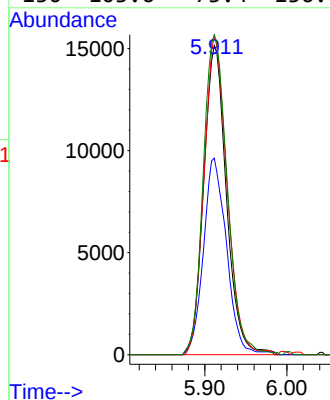
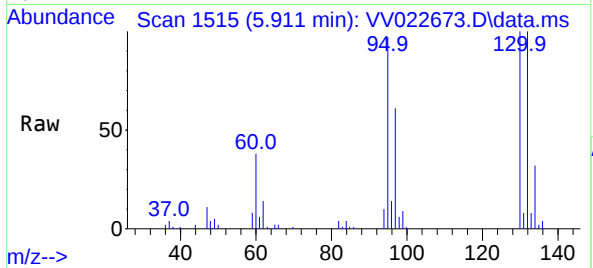




#34
Trichloroethene
Concen: 3.462 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

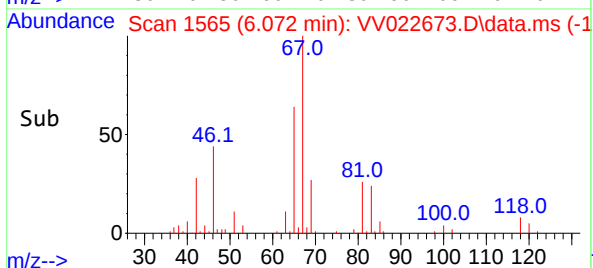
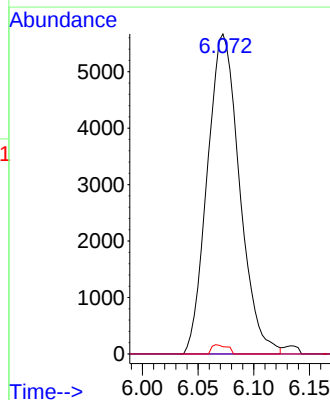
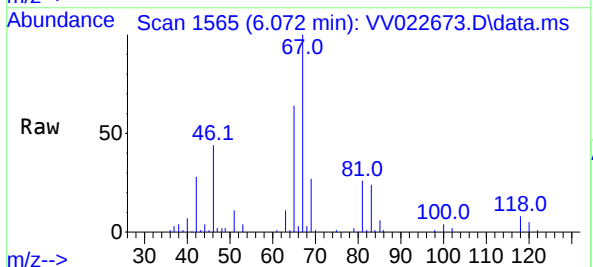
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MSVOA_V
ClientSampled :

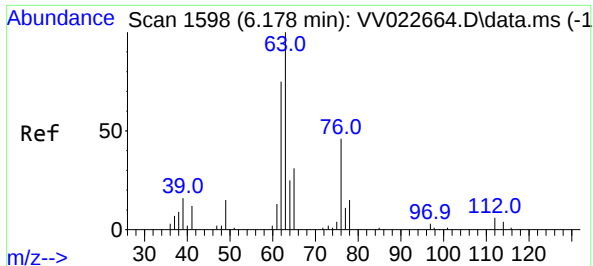
Tgt Ion: 95 Resp: 29207
Ion Ratio Lower Upper
95 100
97 63.6 45.8 85.2
132 103.1 72.2 134.0
130 103.6 73.4 136.4



#35
Methylcyclohexane
Concen: 0.967 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.048 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Tgt Ion: 83 Resp: 11426
Ion Ratio Lower Upper
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55 0.2 63.8 95.6#
98 1.4 42.1 63.1#

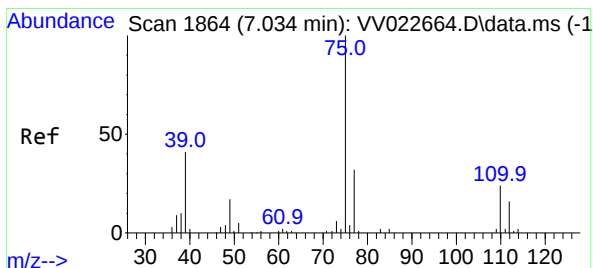
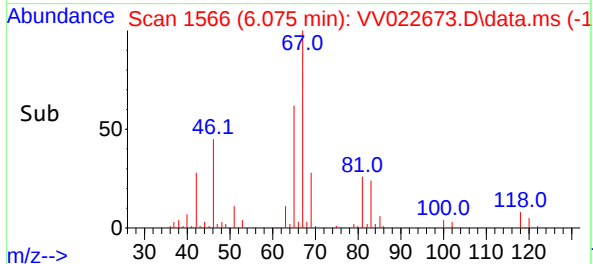
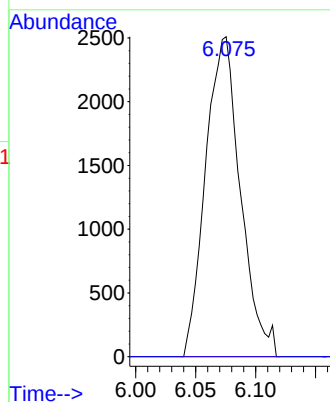
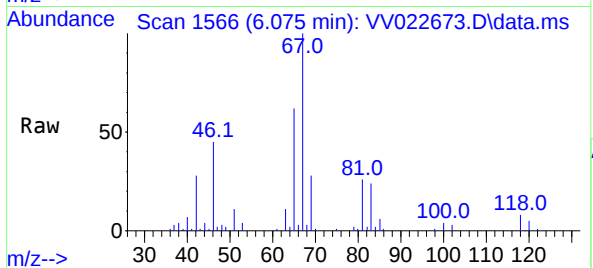




#37
1,2-Dichloropropane
Concen: 0.680 ug/L
RT: 6.075 min Scan# 1566
Delta R.T. -0.103 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

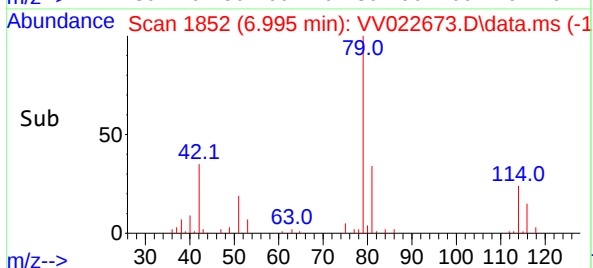
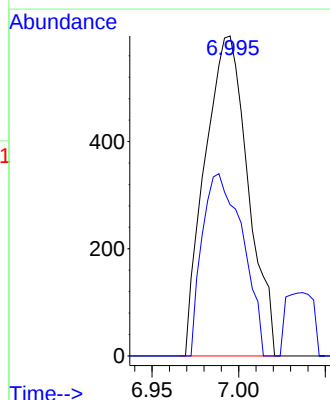
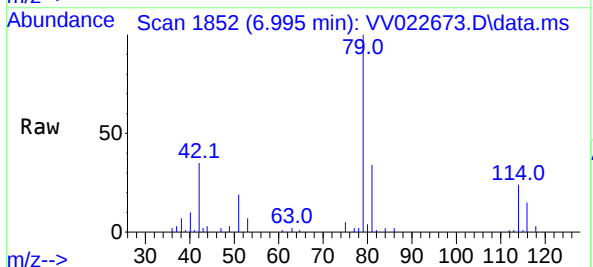
Instrument :
MSVOA_V
ClientSampleId :

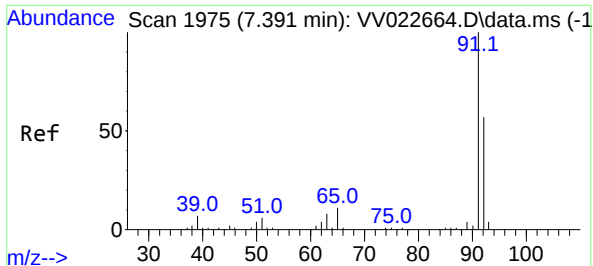
Tgt Ion: 63 Resp: 5073
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



#39
cis-1,3-Dichloropropene
Concen: 0.104 ug/L
RT: 6.995 min Scan# 1852
Delta R.T. -0.039 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Tgt Ion: 75 Resp: 1032
Ion Ratio Lower Upper
75 100
77 47.2 22.3 41.3#

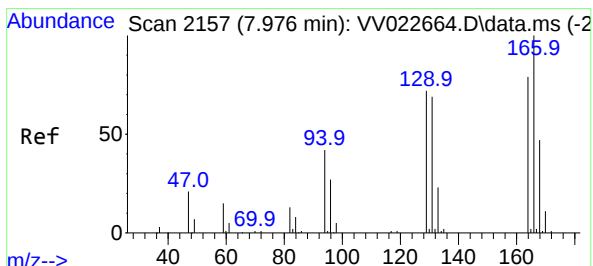
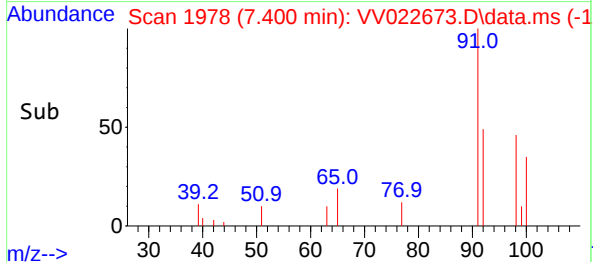
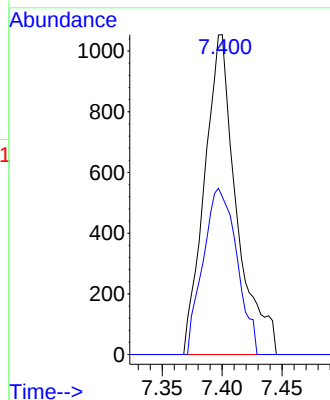
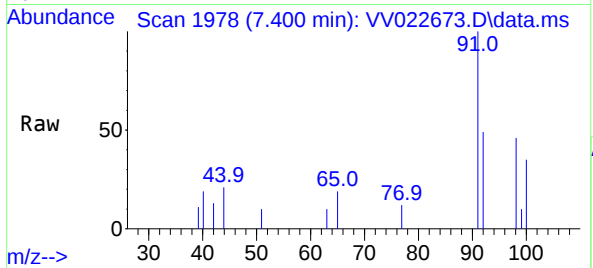




#42
Toluene
Concen: 0.062 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.010 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

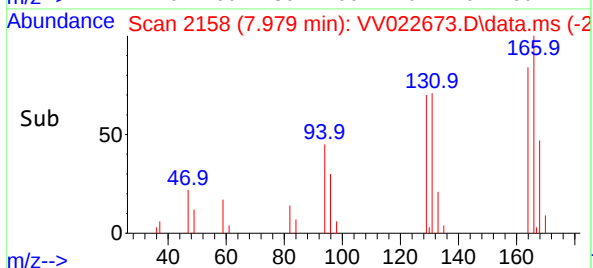
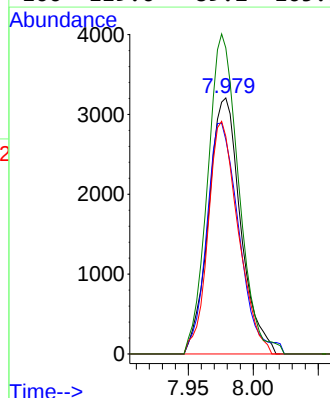
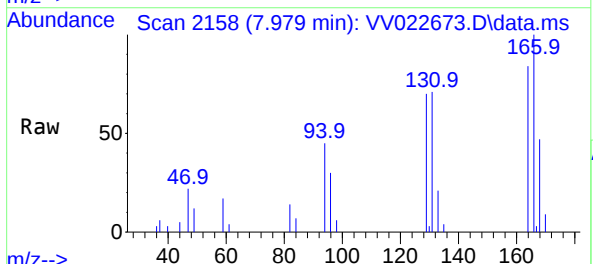
Instrument :
MSVOA_V
ClientSampled :

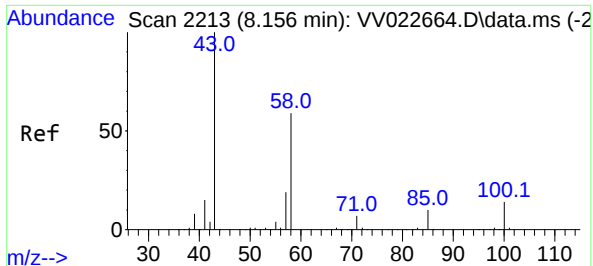
Tgt Ion: 91 Resp: 1959
Ion Ratio Lower Upper
91 100
92 49.3 40.7 75.7



#47
Tetrachloroethene
Concen: 0.806 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Tgt Ion: 164 Resp: 5496
Ion Ratio Lower Upper
164 100
129 83.8 65.0 120.6
131 85.0 62.2 115.4
166 119.6 89.2 165.8



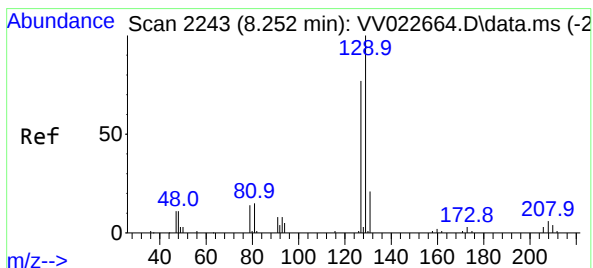
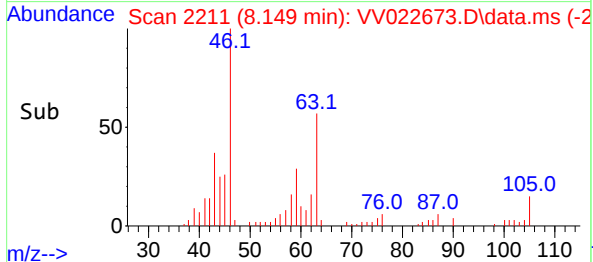
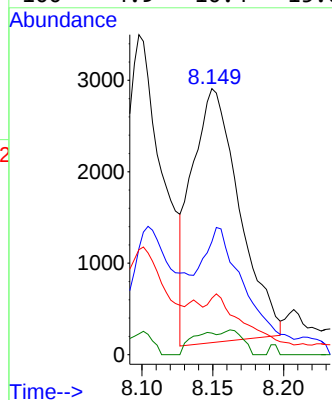
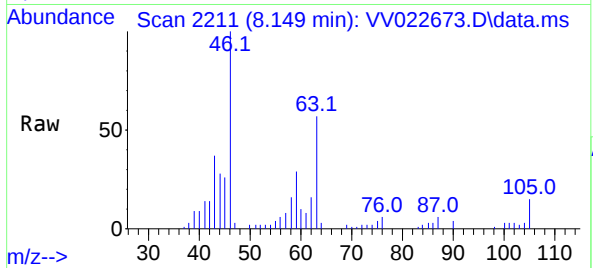


#48
2-Hexanone
Concen: 2.208 ug/L
RT: 8.149 min Scan# 2211
Delta R.T. -0.006 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 6473

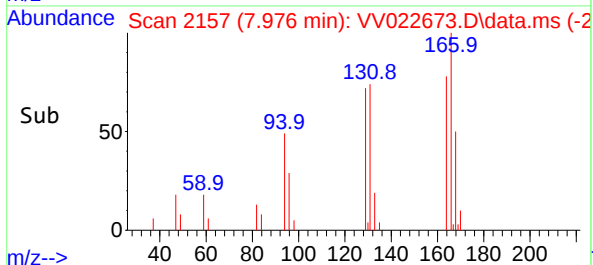
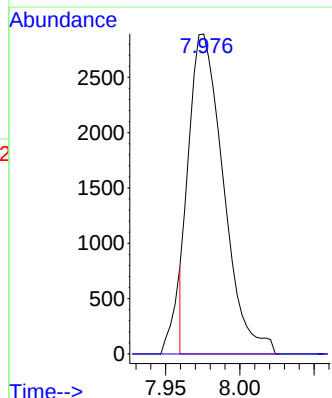
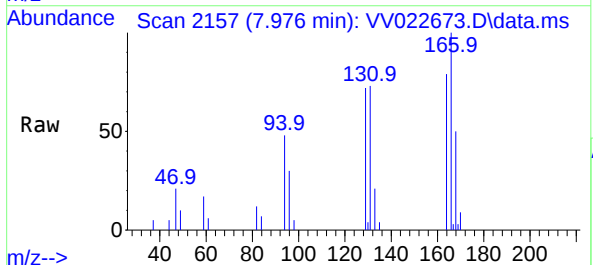
Ion	Ratio	Lower	Upper
43	100		
58	39.0	47.4	71.0#
57	20.6	15.3	22.9
100	4.9	10.4	15.6#

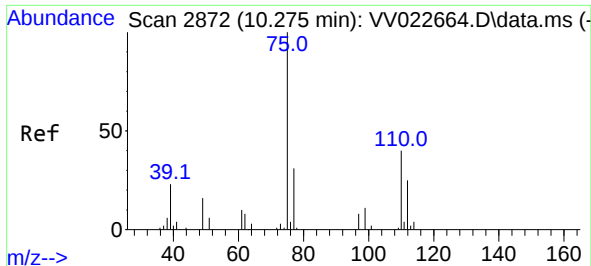


#49
Dibromochloromethane
Concen: 0.720 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.277 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Tgt Ion: 129 Resp: 4664

Ion	Ratio	Lower	Upper
129	100		
127	0.0	59.1	109.9#

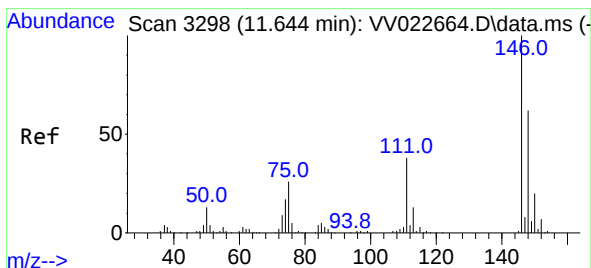
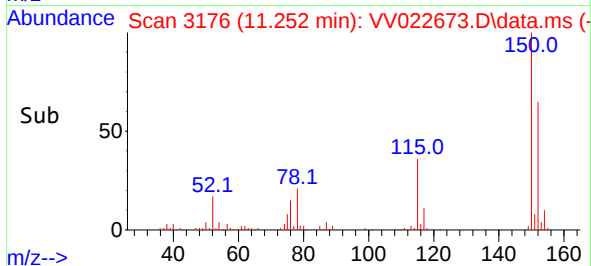
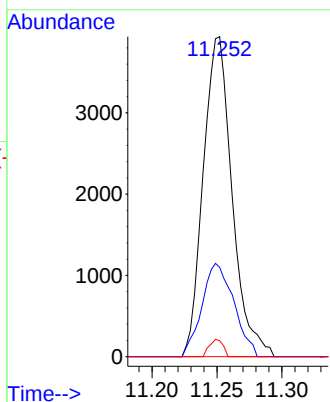
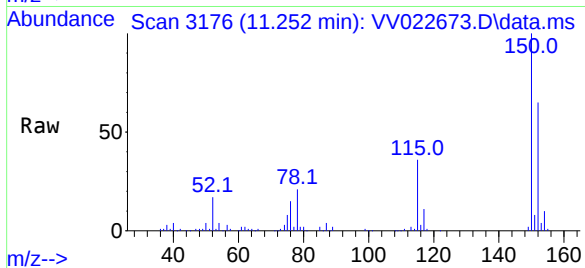




#61
1,2,3-Trichloropropane
Concen: 1.706 ug/L
RT: 11.252 min Scan# 3176
Delta R.T. 0.977 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 6087
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2
110 2.5 34.2 51.4#



#67
1,2-Dichlorobenzene
Concen: 0.065 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV022673.D
Acq: 07 Oct 2021 19:29

Tgt Ion: 146 Resp: 839
Ion Ratio Lower Upper
146 100
111 62.0 32.3 48.5#
148 78.7 52.1 78.1#

