

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100721\
 Data File : VW022675.D
 Acq On : 07 Oct 2021 20:17
 Operator : SY/MD
 Sample : M4052-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 04:04:18 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	108881	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	111109	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	49529	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	36944	4.932	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.600%
7) Chloroethane-d5	1.564	69	35625	5.292	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.800%
11) 1,1-Dichloroethene-d2	2.104	63	56722	3.860	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.200%
20) 2-Butanone-d5	3.915	46	69562	35.415	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.820%
24) Chloroform-d	4.349	84	54947	3.559	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.200%
26) 1,2-Dichloroethane-d4	5.034	65	37657	5.026	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	5.047	84	147214	4.451	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.072	67	46047	4.701	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.317	98	123499	4.319	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	7.625	79	14367	4.421	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.098	63	59795	45.662	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.320%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	30805	4.642	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	48293	5.259	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	656	0.083	ug/L #	86
9) Trichlorofluoromethane	1.751	101	2247	0.186	ug/L	100
12) 1,1-Dichloroethene	2.111	96	1879	0.286	ug/L #	1
14) Carbon disulfide	2.291	76	1128	0.061	ug/L #	76
17) Methyl tert-butyl Ether	2.773	73	1391	0.087	ug/L #	78
19) 1,1-Dichloroethane	3.188	63	1823	0.142	ug/L	95
22) cis-1,2-Dichloroethene	3.908	96	1268	0.169	ug/L	80
25) Chloroform	4.375	83	24511	1.641	ug/L	98
27) 1,2-Dichloroethane	5.047	62	830	0.111	ug/L #	69
31) Carbon tetrachloride	4.831	117	2190	0.199	ug/L	92
34) Trichloroethene	5.918	95	9276	1.140	ug/L	93
35) Methylcyclohexane	6.072	83	11581	1.016	ug/L #	16
37) 1,2-Dichloropropane	6.072	63	5338	0.742	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1007	0.106	ug/L #	52
42) Toluene	7.397	91	6100	0.201	ug/L	96
47) Tetrachloroethene	7.976	164	29078	4.418	ug/L	99
48) 2-Hexanone	8.149	43	9470	3.349	ug/L #	81
49) Dibromochloromethane	7.976	129	24162	3.865	ug/L #	7
61) 1,2,3-Trichloropropane	11.249	75	5412	1.573	ug/L #	62

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 08 04:01:59 2021
Response via : Initial Calibration

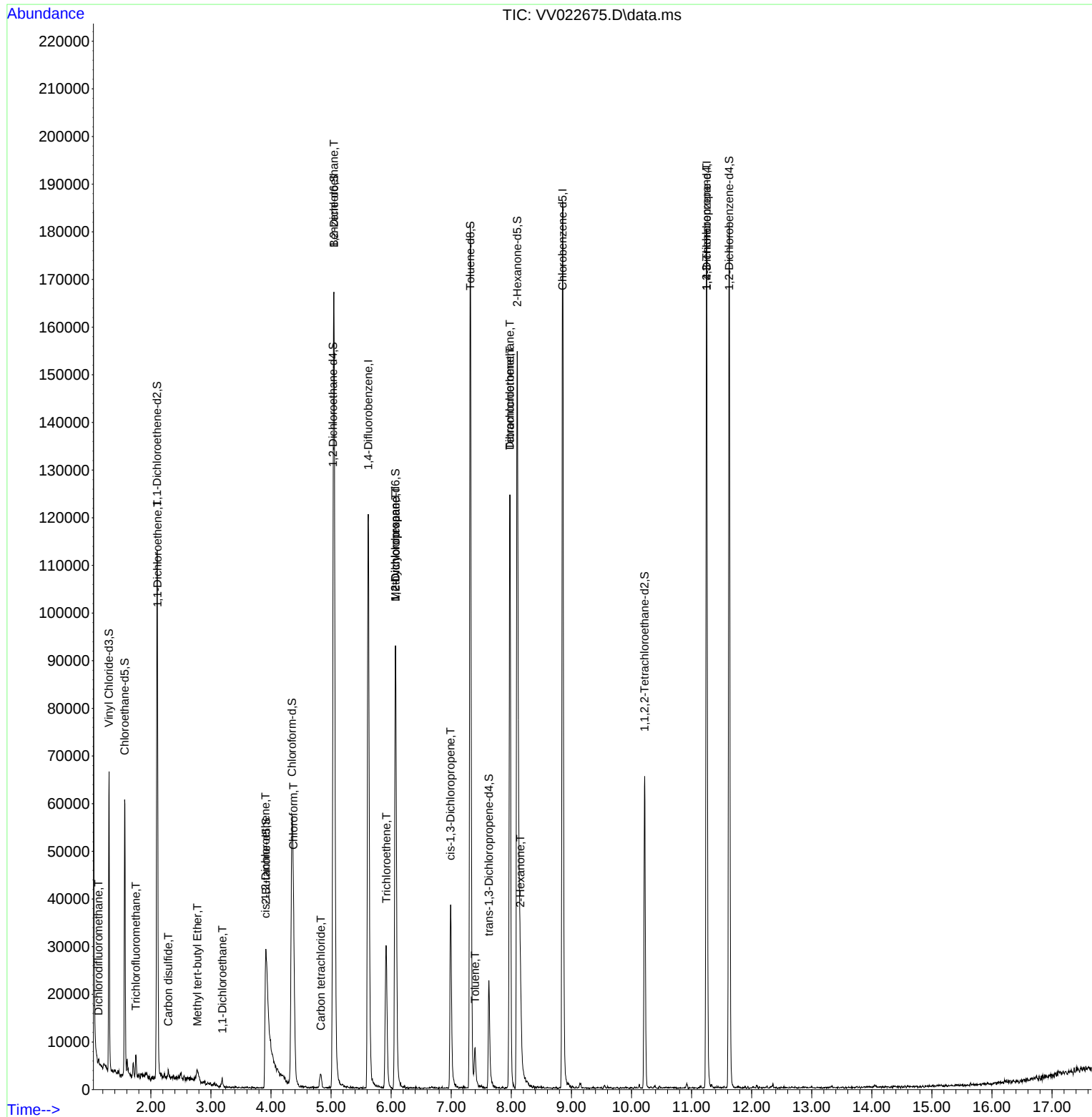
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

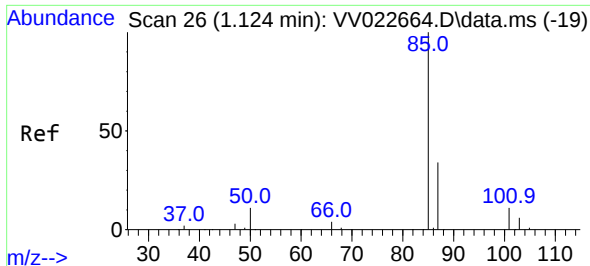
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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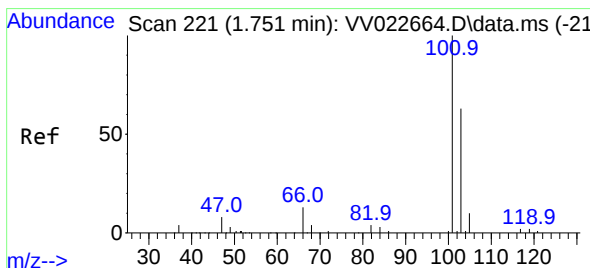
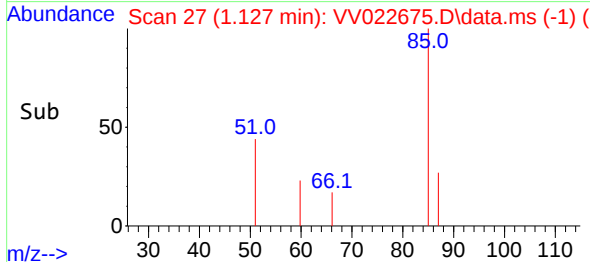
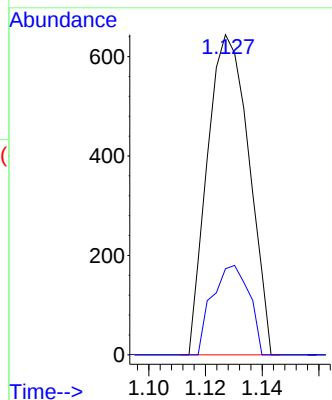
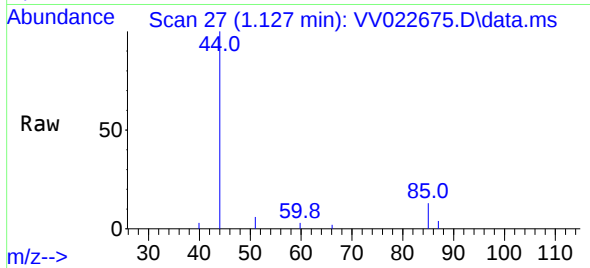




#2
Dichlorodifluoromethane
Concen: 0.083 ug/L
RT: 1.127 min Scan# 27
Delta R.T. 0.003 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

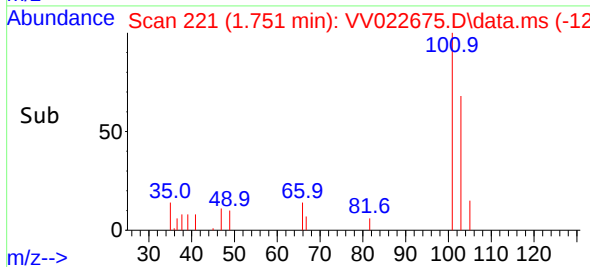
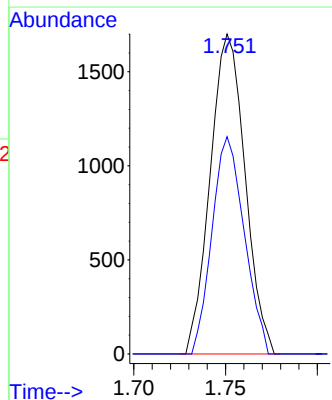
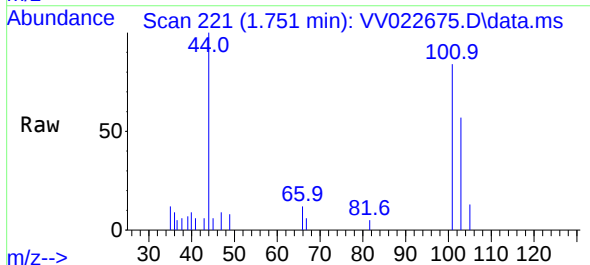
Instrument :
MSVOA_V
ClientSampled :

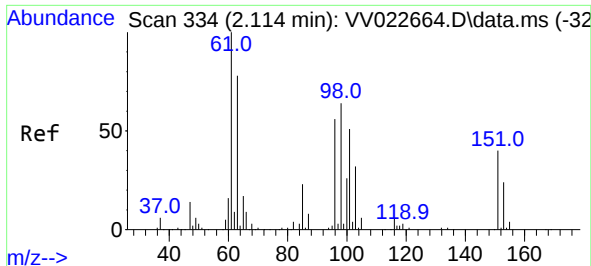
Tgt Ion: 85 Resp: 656
Ion Ratio Lower Upper
85 100
87 24.8 26.3 39.5#



#9
Trichlorofluoromethane
Concen: 0.186 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

Tgt Ion: 101 Resp: 2247
Ion Ratio Lower Upper
101 100
103 62.6 50.3 75.5

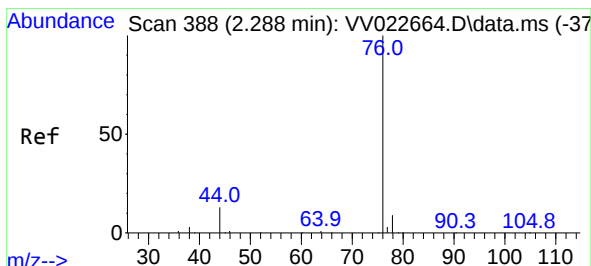
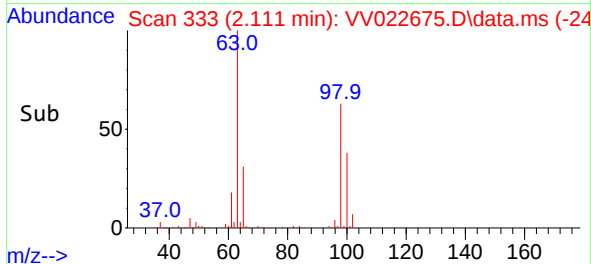
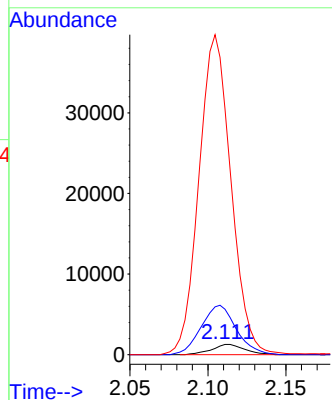
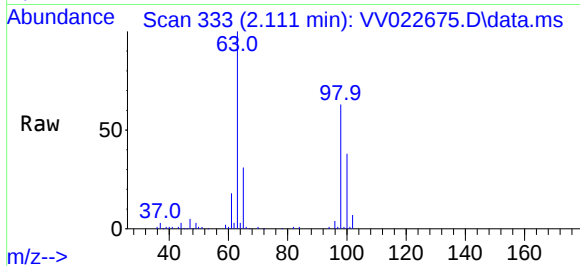




#12
1,1-Dichloroethene
Concen: 0.286 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

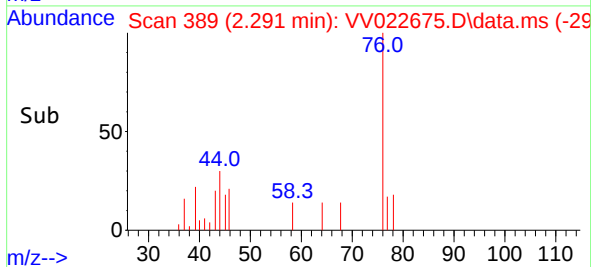
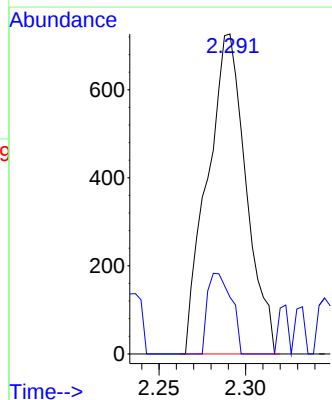
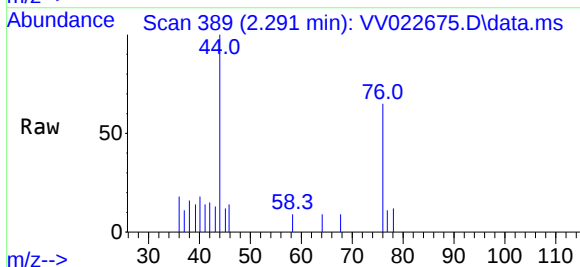
Instrument :
MSVOA_V
ClientSampleId :

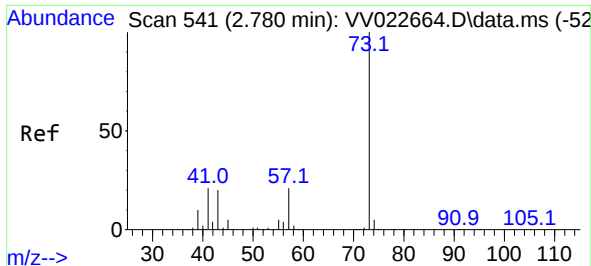
Tgt Ion: 96 Resp: 1879
Ion Ratio Lower Upper
96 100
61 441.8 127.3 236.5#
63 2390.0 106.2 197.2#



#14
Carbon disulfide
Concen: 0.061 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

Tgt Ion: 76 Resp: 1128
Ion Ratio Lower Upper
76 100
78 17.7 7.4 11.0#

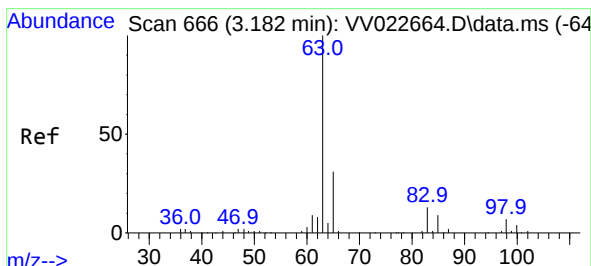
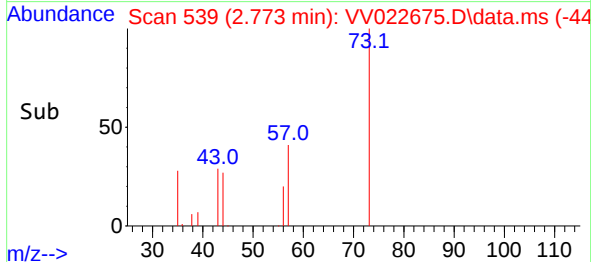
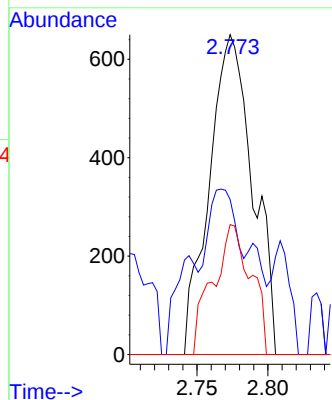
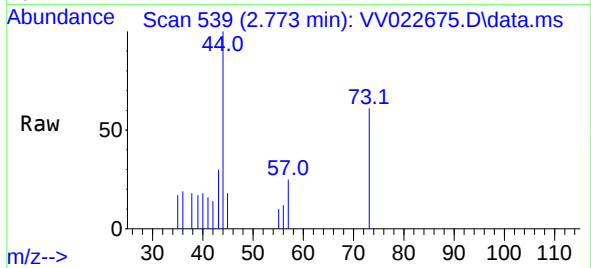




#17
Methyl tert-butyl Ether
Concen: 0.087 ug/L
RT: 2.773 min Scan# 539
Delta R.T. -0.006 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

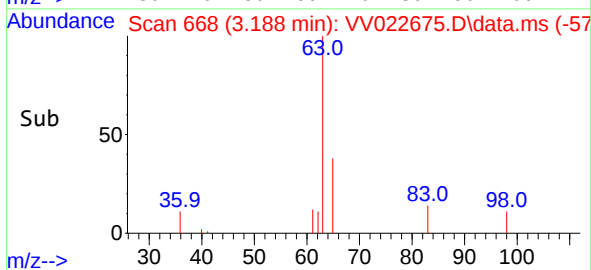
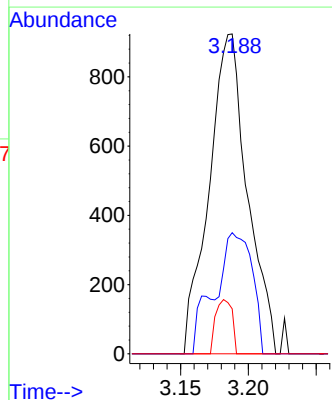
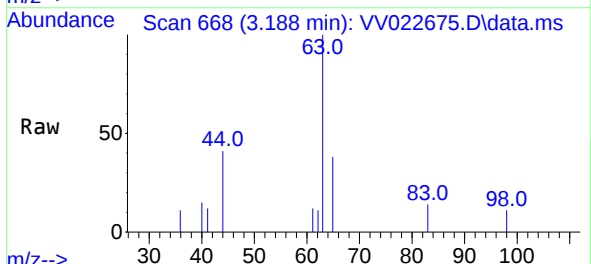
Instrument :
MSVOA_V
ClientSampleId :

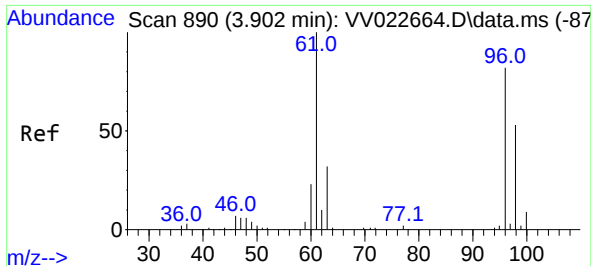
Tgt Ion: 73 Resp: 1391
Ion Ratio Lower Upper
73 100
43 14.7 17.1 25.7#
57 35.4 17.2 25.8#



#19
1,1-Dichloroethane
Concen: 0.142 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.006 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

Tgt Ion: 63 Resp: 1823
Ion Ratio Lower Upper
63 100
65 37.9 23.5 43.7
83 14.1 10.1 18.7

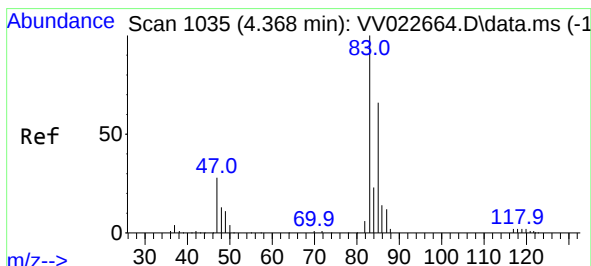
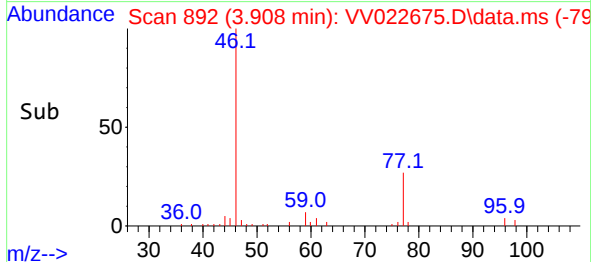
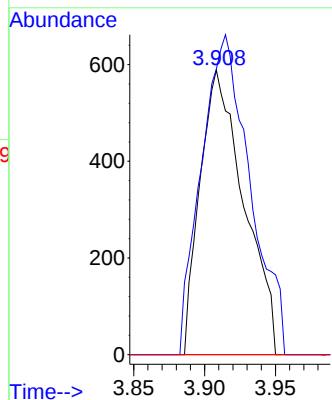
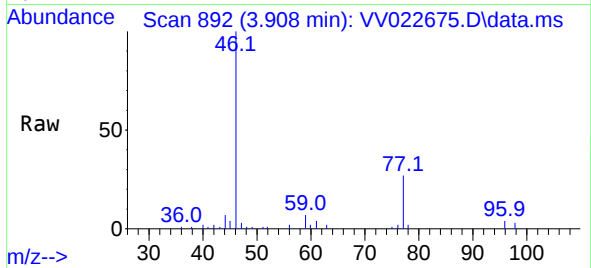




#22
cis-1,2-Dichloroethene
Concen: 0.169 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.006 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

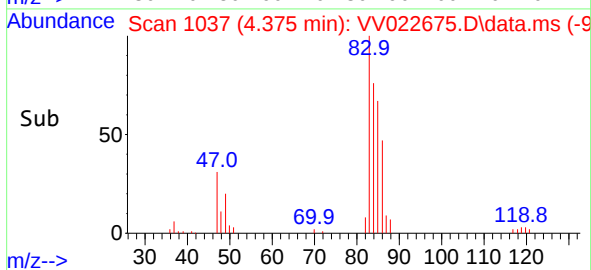
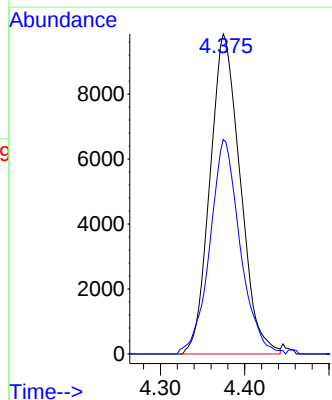
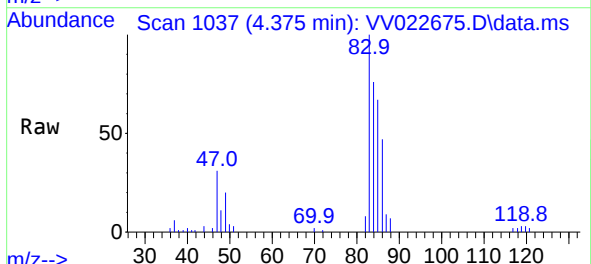
Instrument :
MSVOA_V
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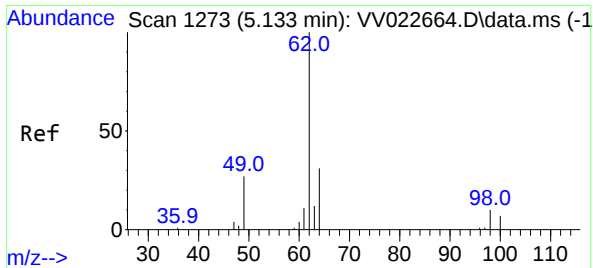
Tgt Ion: 96 Resp: 1268
Ion Ratio Lower Upper
96 100
61 100.3 86.0 159.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 1.641 ug/L
RT: 4.375 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

Tgt Ion: 83 Resp: 24511
Ion Ratio Lower Upper
83 100
85 67.0 45.7 84.9

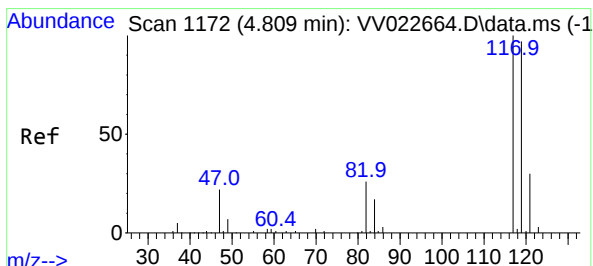
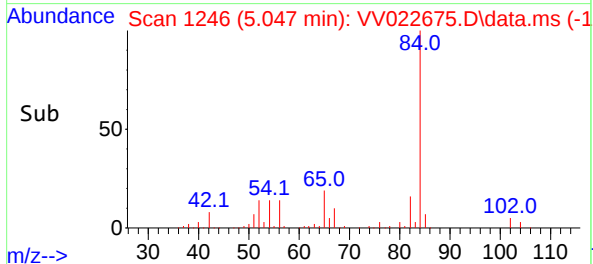
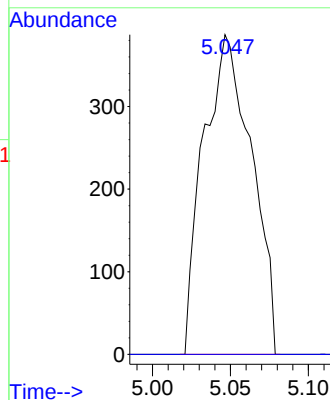
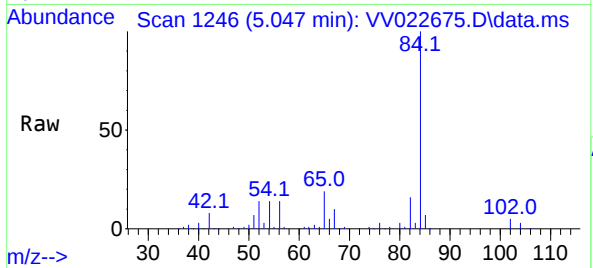




#27
1,2-Dichloroethane
Concen: 0.111 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. -0.087 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

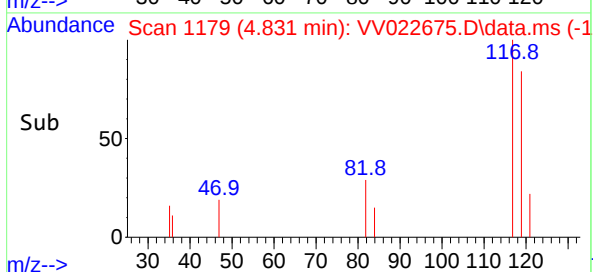
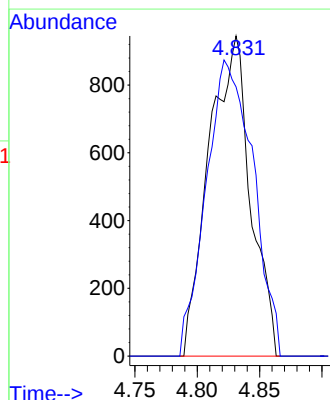
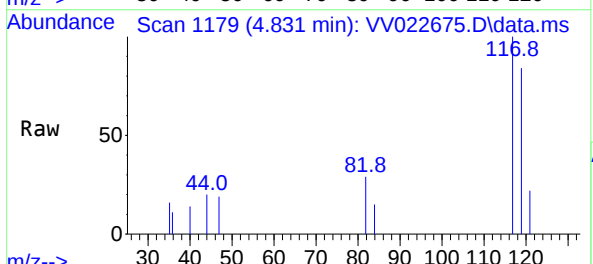
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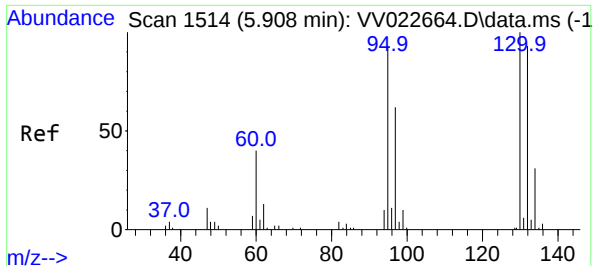
Tgt Ion: 62 Resp: 830
Ion Ratio Lower Upper
62 100
98 0.0 9.7 14.5#



#31
Carbon tetrachloride
Concen: 0.199 ug/L
RT: 4.831 min Scan# 1179
Delta R.T. 0.022 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

Tgt Ion: 117 Resp: 2190
Ion Ratio Lower Upper
117 100
119 104.4 77.4 116.0





#34

Trichloroethene

Concen: 1.140 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.010 min

Lab File: VV022675.D

Acq: 07 Oct 2021 20:17

Tgt Ion: 95 Resp: 9276

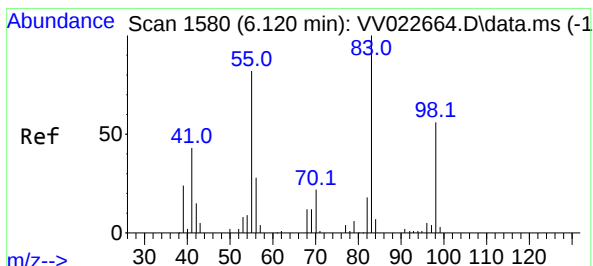
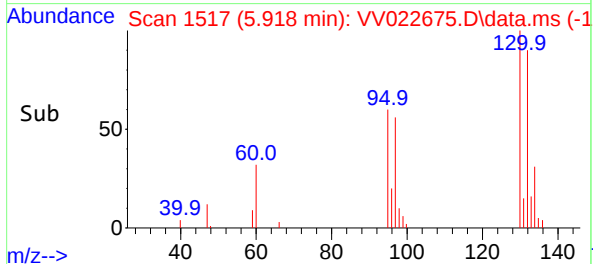
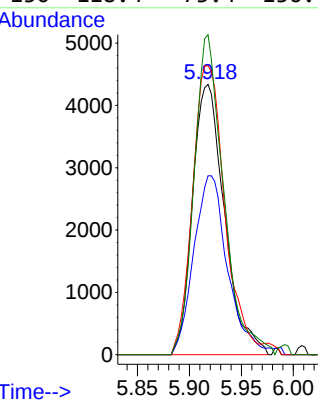
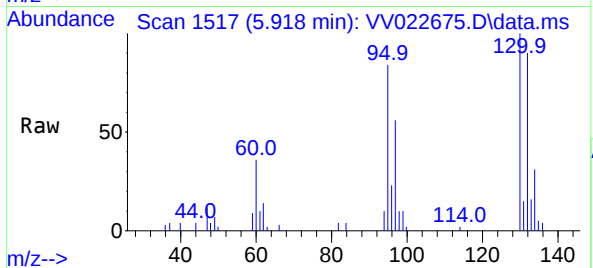
Ion Ratio Lower Upper

95 100

97 66.2 45.8 85.2

132 106.8 72.2 134.0

130 118.4 73.4 136.4



#35

Methylcyclohexane

Concen: 1.016 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.048 min

Lab File: VV022675.D

Acq: 07 Oct 2021 20:17

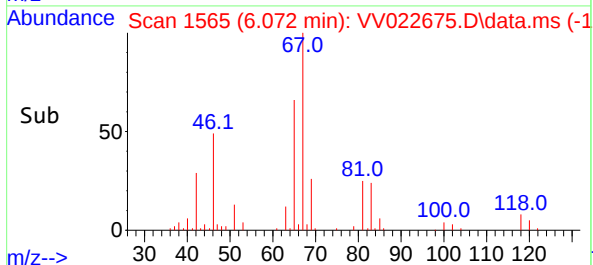
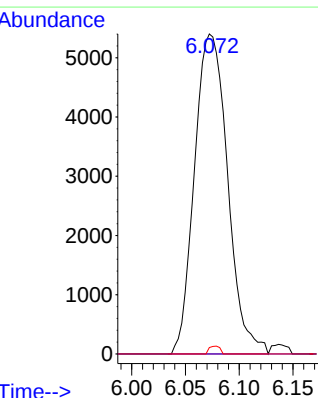
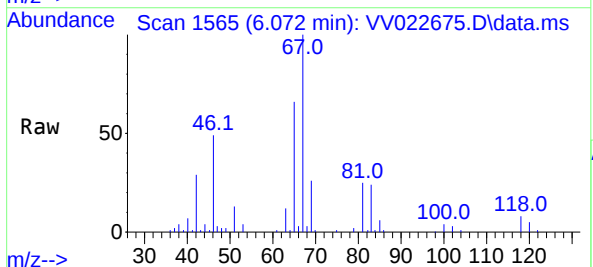
Tgt Ion: 83 Resp: 11581

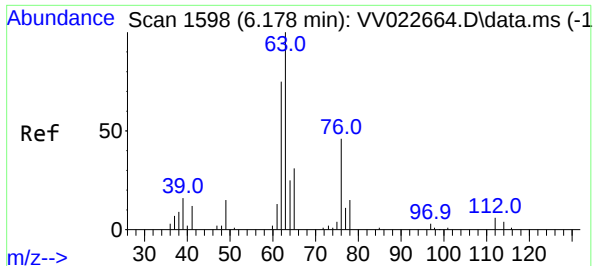
Ion Ratio Lower Upper

83 100

55 0.0 63.8 95.6#

98 0.8 42.1 63.1#

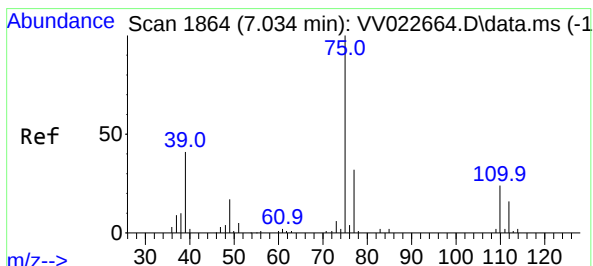
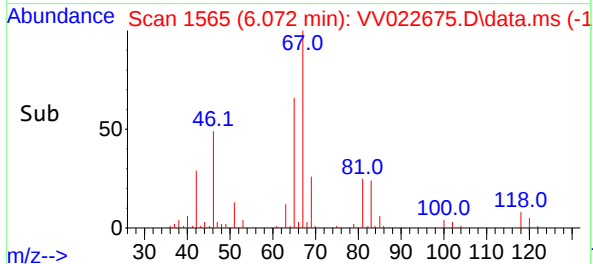
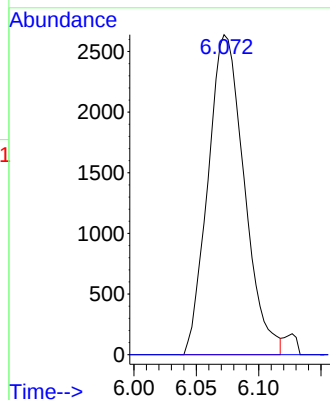
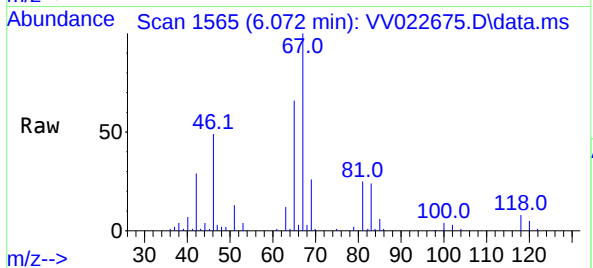




#37
1,2-Dichloropropane
Concen: 0.742 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.106 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

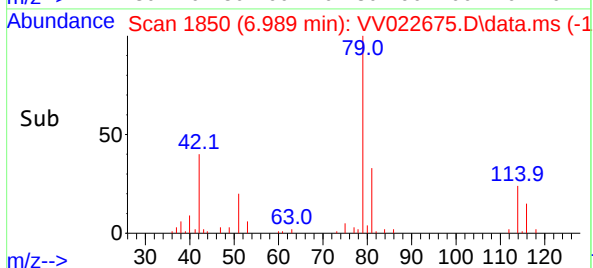
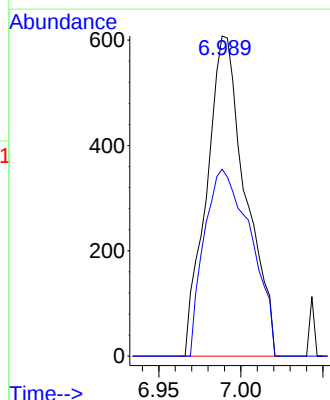
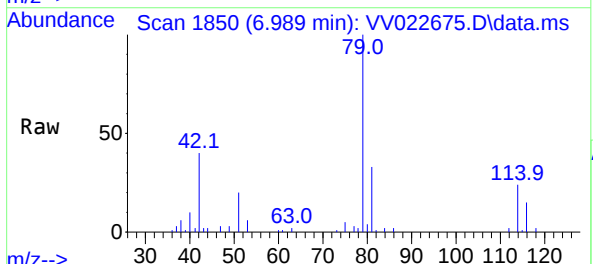
Instrument :
MSVOA_V
ClientSampled :

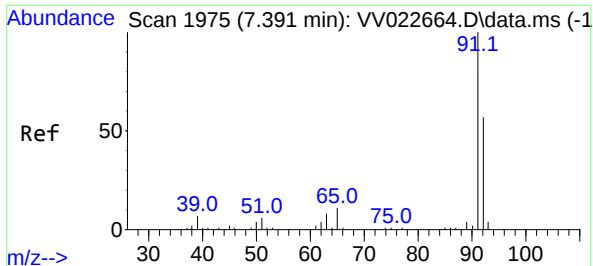
Tgt Ion: 63 Resp: 5338
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



#39
cis-1,3-Dichloropropene
Concen: 0.106 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.045 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

Tgt Ion: 75 Resp: 1007
Ion Ratio Lower Upper
75 100
77 58.4 22.3 41.3#

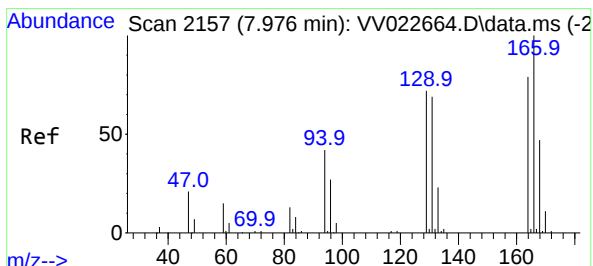
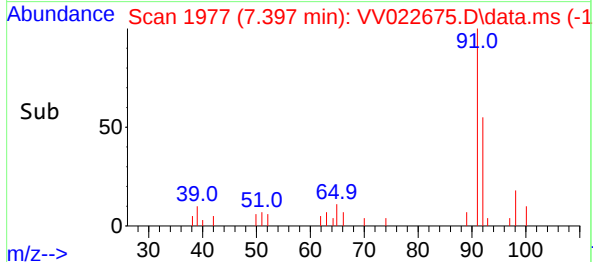
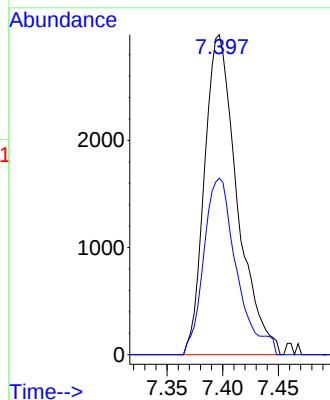
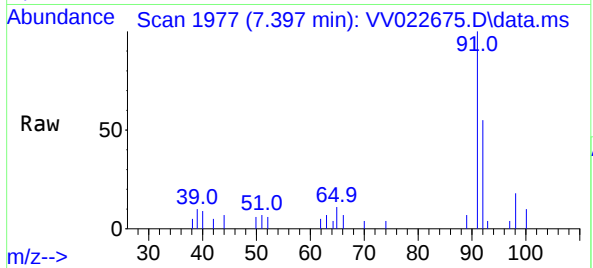




#42
Toluene
Concen: 0.201 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

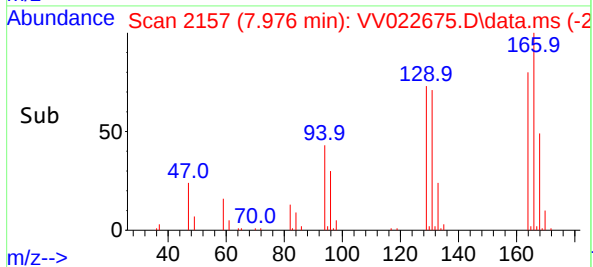
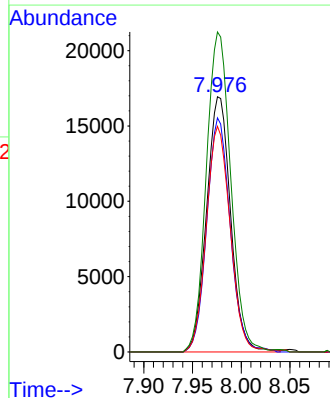
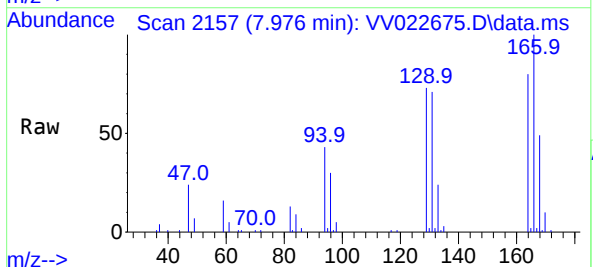
Instrument :
MSVOA_V
ClientSampled :

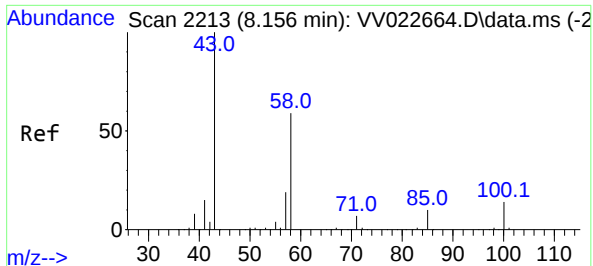
Tgt Ion: 91 Resp: 6100
Ion Ratio Lower Upper
91 100
92 55.1 40.7 75.7



#47
Tetrachloroethene
Concen: 4.418 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

Tgt Ion: 164 Resp: 29078
Ion Ratio Lower Upper
164 100
129 91.8 65.0 120.6
131 88.4 62.2 115.4
166 125.4 89.2 165.8



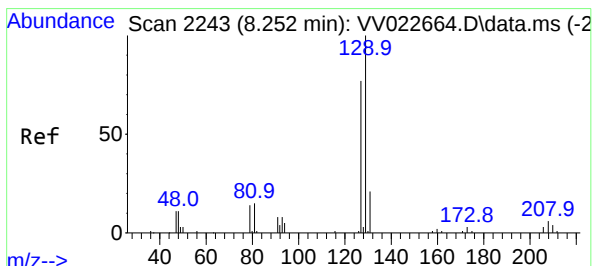
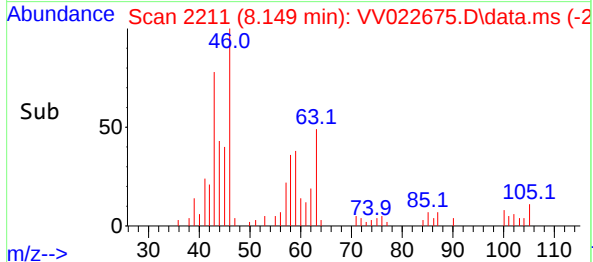
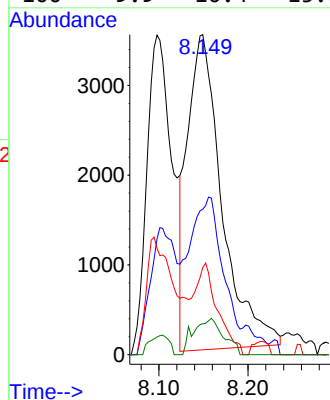
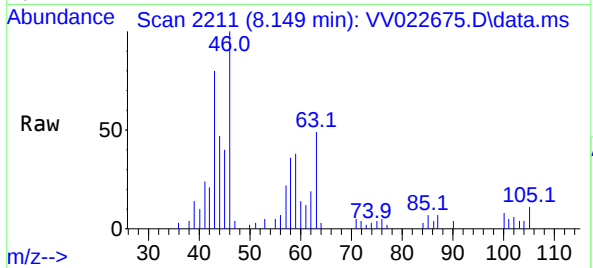


#48
2-Hexanone
Concen: 3.349 ug/L
RT: 8.149 min Scan# 2211
Delta R.T. -0.006 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 9470

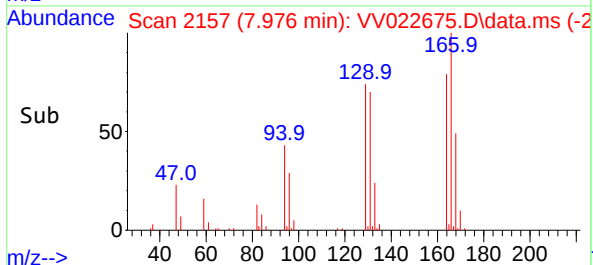
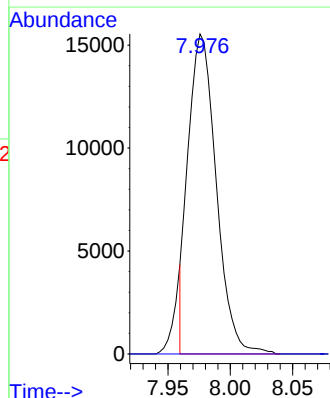
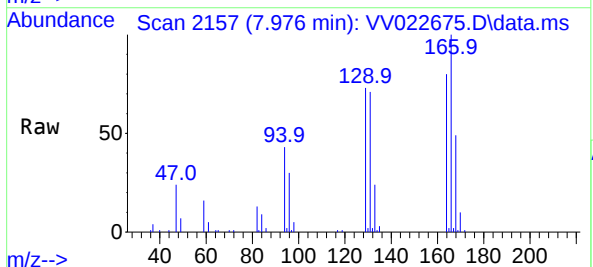
Ion	Ratio	Lower	Upper
43	100		
58	38.2	47.4	71.0#
57	19.5	15.3	22.9
100	9.9	10.4	15.6#

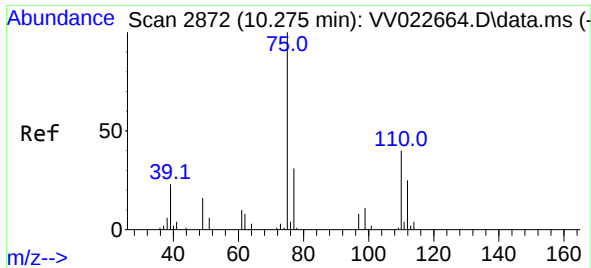


#49
Dibromochloromethane
Concen: 3.865 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.277 min
Lab File: VV022675.D
Acq: 07 Oct 2021 20:17

Tgt Ion: 129 Resp: 24162

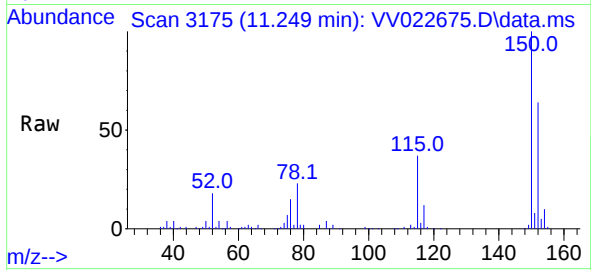
Ion	Ratio	Lower	Upper
129	100		
127	0.0	59.1	109.9#





#61
 1,2,3-Trichloropropane
 Concen: 1.573 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.974 min
 Lab File: VV022675.D
 Acq: 07 Oct 2021 20:17

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 5412
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.4 38.2
 110 1.8 34.2 51.4#

