

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102221\
 Data File : VW022968.D
 Acq On : 21 Oct 2021 20:49
 Operator : SY/MD
 Sample : M4137-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 22 04:57:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 22 04:55:17 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	134157	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	135434	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	57849	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	41077	4.450	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.565	69	35217	4.246	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.105	63	56269	3.108	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.200%
20) 2-Butanone-d5	3.896	46	63302	26.156	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	52.320%
24) Chloroform-d	4.349	84	86295	4.537	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.037	65	42752	4.631	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.053	84	185823	4.609	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.069	67	58171	4.872	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.317	98	149038	4.276	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	7.625	79	16552	4.179	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.600%
46) 2-Hexanone-d5	8.092	63	74213	46.494	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.980%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39589	4.894	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	56552	5.273	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	5651	0.557	ug/L #	77
8) Chloroethane	1.307	64	2498	0.398	ug/L	84
12) 1,1-Dichloroethene	2.114	96	1150	0.142	ug/L #	1
13) Acetone	2.192	43	3238	2.399	ug/L	88
17) Methyl tert-butyl Ether	2.767	73	13729	0.700	ug/L	95
18) trans-1,2-Dichloroethene	2.761	96	12476	1.416	ug/L	90
19) 1,1-Dichloroethane	3.188	63	2926	0.184	ug/L	91
22) cis-1,2-Dichloroethene	3.912	96	396192	42.815	ug/L	97
25) Chloroform	4.378	83	11695	0.636	ug/L	99
34) Trichloroethene	5.918	95	26527	2.674	ug/L	97
35) Methylcyclohexane	6.072	83	14528	1.045	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	6613	0.754	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1212	0.104	ug/L #	35
42) Toluene	7.394	91	39459	1.066	ug/L	100
45) 1,1,2-Trichloroethane	7.973	97	1025	0.157	ug/L #	31
47) Tetrachloroethene	7.976	164	107697	13.425	ug/L	99
48) 2-Hexanone	8.149	43	4032	1.170	ug/L #	90
49) Dibromochloromethane	7.976	129	96813	12.704	ug/L #	7
53) m,p-xylene	9.143	106	1362	0.092	ug/L	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102221\
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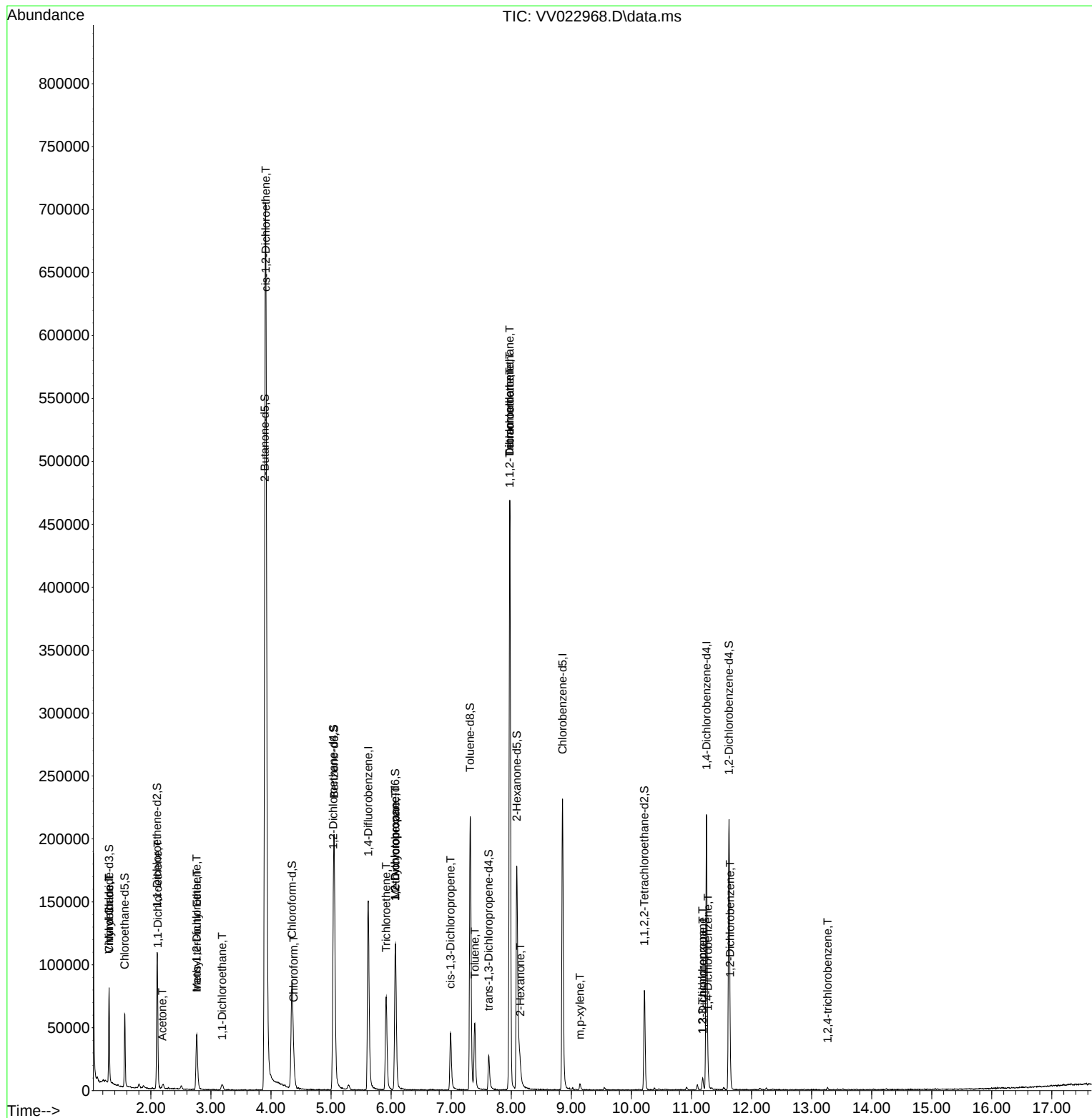
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.185	75	1190	0.296	ug/L #	45
64) 1,3-Dichlorobenzene	11.188	146	3972	0.258	ug/L	93
65) 1,4-Dichlorobenzene	11.275	146	4086	0.261	ug/L	96
67) 1,2-Dichlorobenzene	11.645	146	4083	0.282	ug/L #	88
70) 1,2,4-trichlorobenzene	13.268	180	567	0.064	ug/L #	91

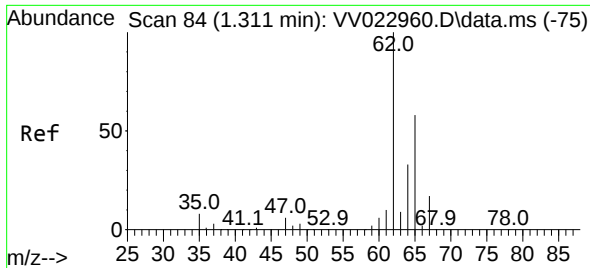
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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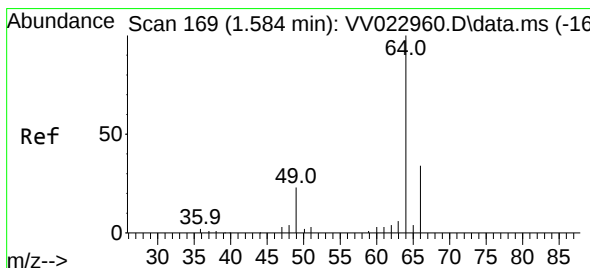
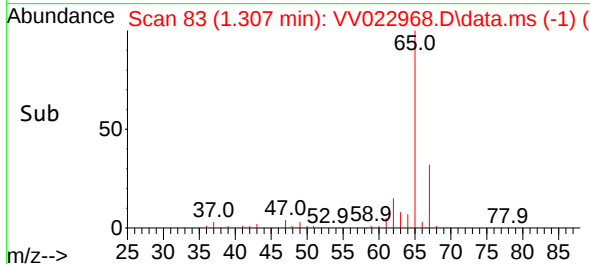
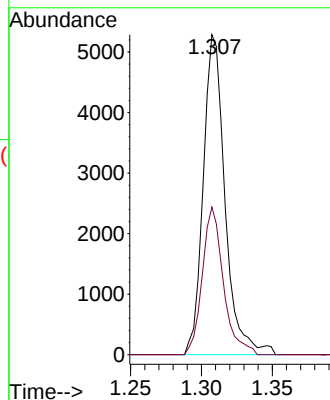
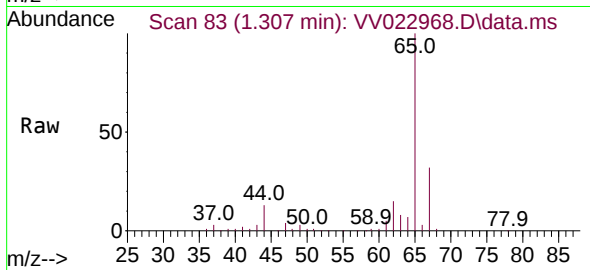




#5
 Vinyl chloride
 Concen: 0.557 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV022968.D
 Acq: 21 Oct 2021 20:49

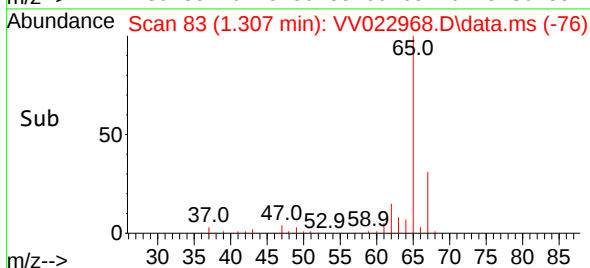
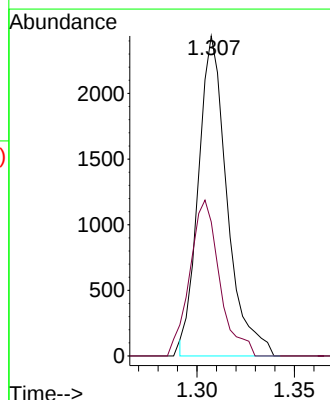
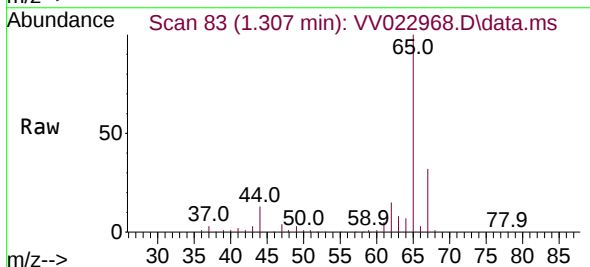
Instrument :
 MSVOA_V
 ClientSampleId :

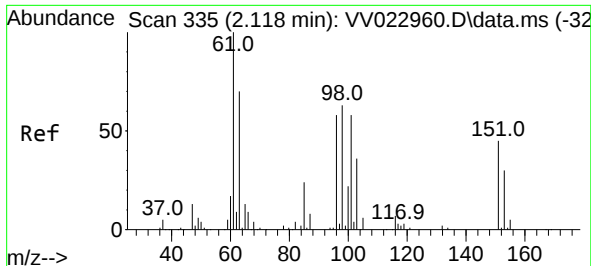
Tgt Ion: 62 Resp: 5651
 Ion Ratio Lower Upper
 62 100
 64 46.1 23.0 42.8#



#8
 Chloroethane
 Concen: 0.398 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.277 min
 Lab File: VV022968.D
 Acq: 21 Oct 2021 20:49

Tgt Ion: 64 Resp: 2498
 Ion Ratio Lower Upper
 64 100
 66 41.9 22.9 42.5





#12

1,1-Dichloroethene

Concen: 0.142 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

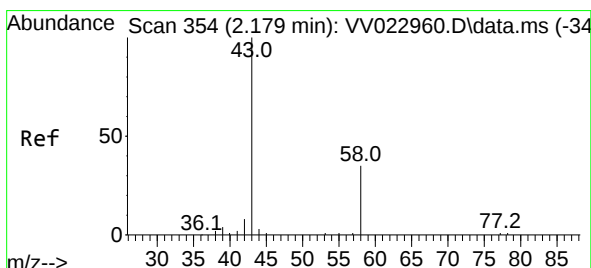
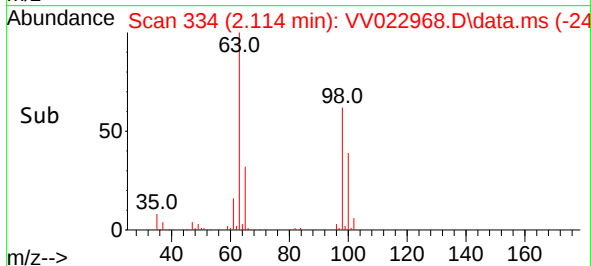
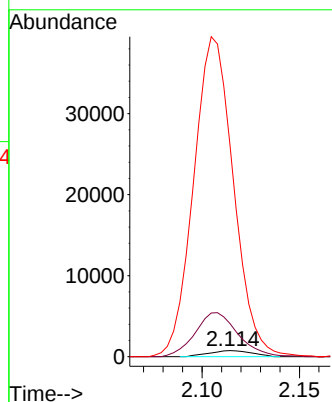
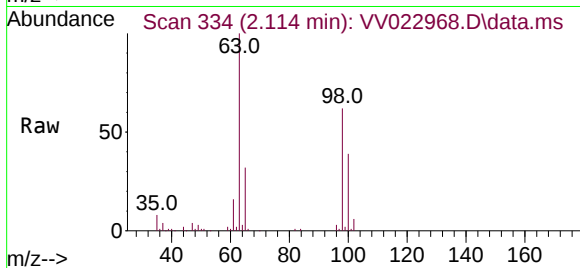
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 1150

Ion	Ratio	Lower	Upper
96	100		
61	538.5	127.3	236.5#
63	3434.9	106.2	197.2#



#13

Acetone

Concen: 2.399 ug/L

RT: 2.192 min Scan# 358

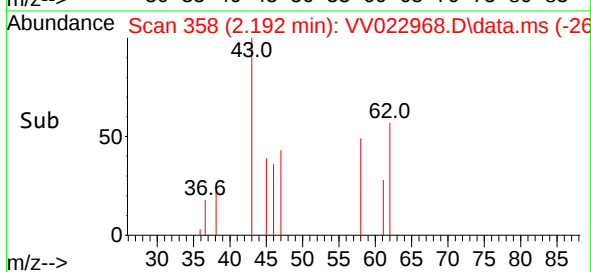
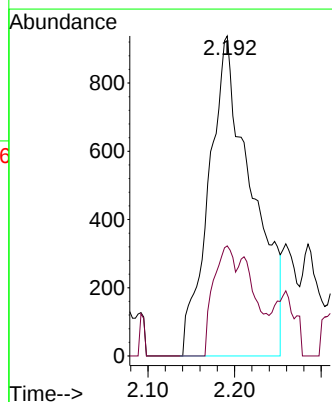
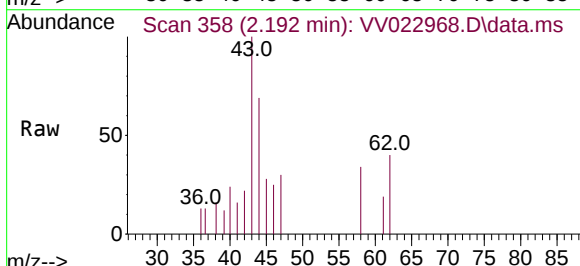
Delta R.T. 0.013 min

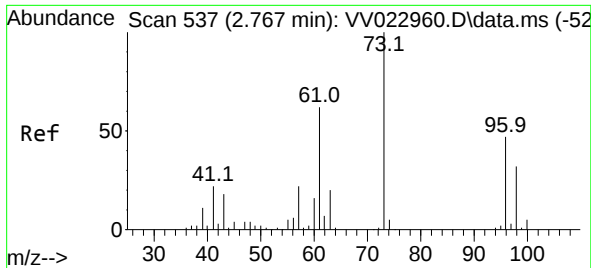
Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

Tgt Ion: 43 Resp: 3238

Ion	Ratio	Lower	Upper
43	100		
58	16.9	0.0	24.2

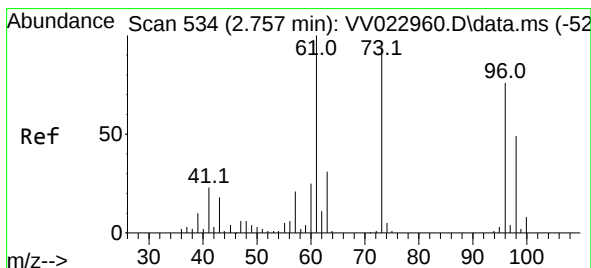
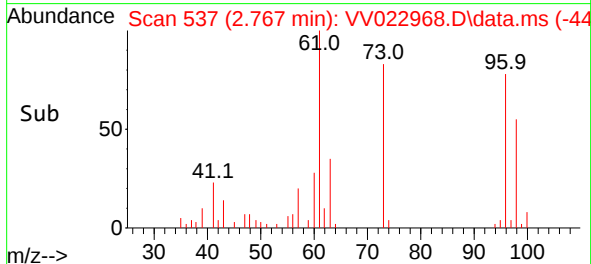
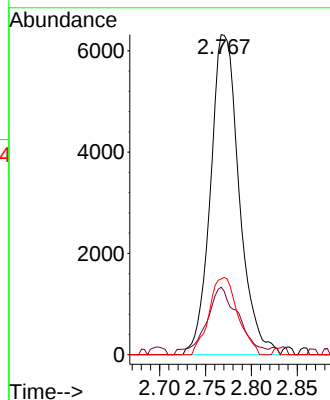
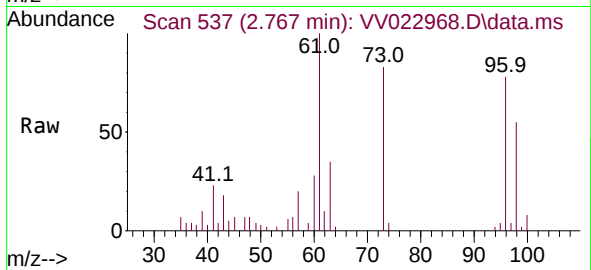




#17
Methyl tert-butyl Ether
Concen: 0.700 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

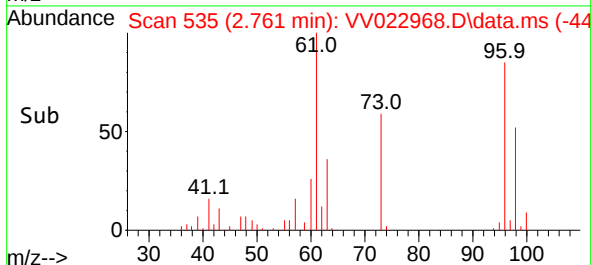
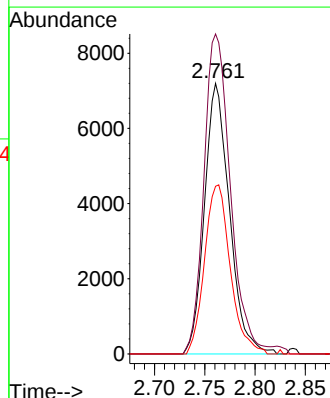
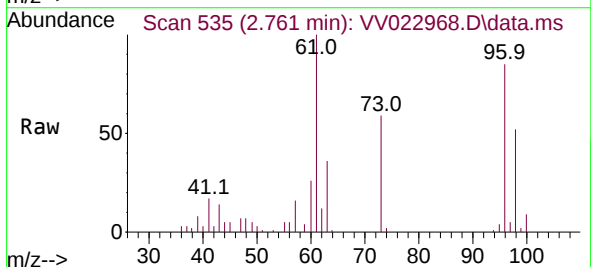
Instrument :
MSVOA_V
ClientSampleId :

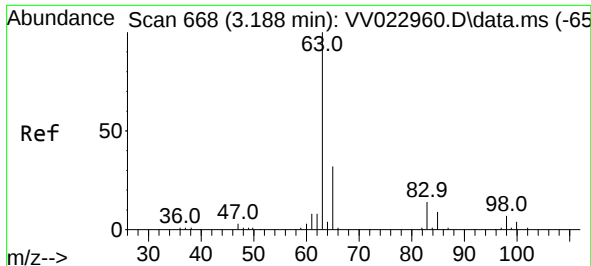
Tgt Ion: 73 Resp: 13729
Ion Ratio Lower Upper
73 100
43 23.8 17.1 25.7
57 24.2 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 1.416 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Tgt Ion: 96 Resp: 12476
Ion Ratio Lower Upper
96 100
61 118.3 94.5 175.5
98 61.9 44.2 82.0

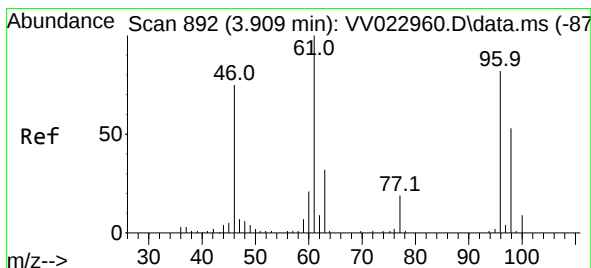
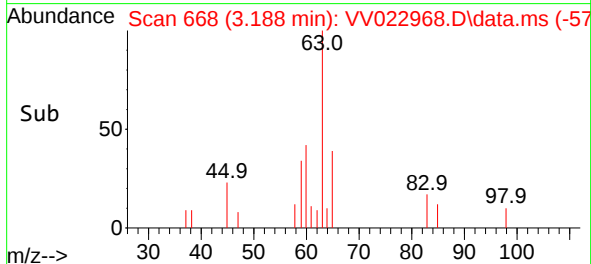
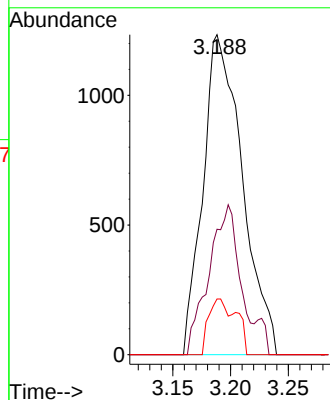
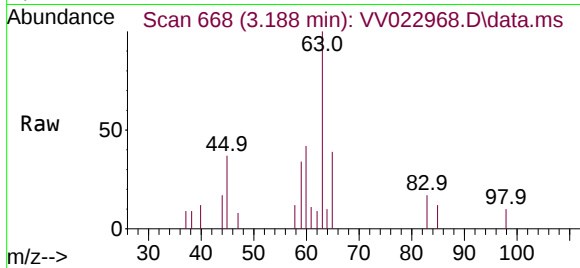




#19
1,1-Dichloroethane
Concen: 0.184 ug/L
RT: 3.188 min Scan# 668
Delta R.T. -0.000 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

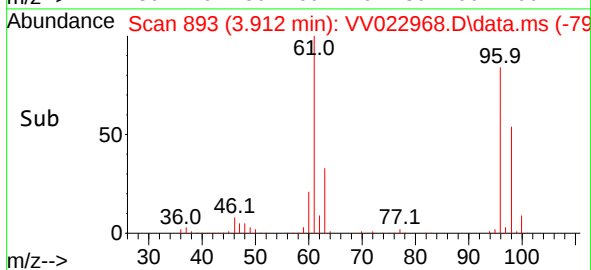
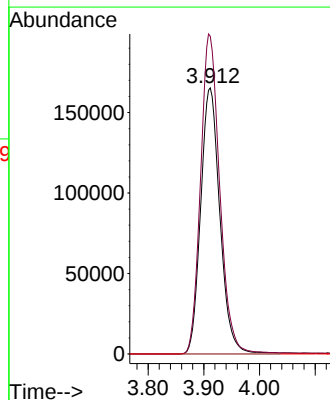
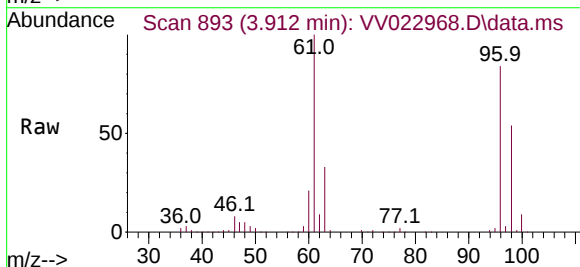
Instrument :
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ClientSampleId :

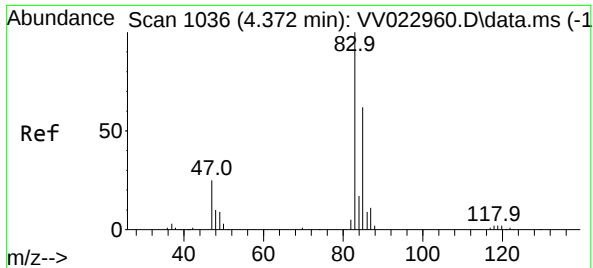
Tgt Ion: 63 Resp: 2926
Ion Ratio Lower Upper
63 100
65 39.2 23.5 43.7
83 17.4 10.1 18.7



#22
cis-1,2-Dichloroethene
Concen: 42.815 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Tgt Ion: 96 Resp: 396192
Ion Ratio Lower Upper
96 100
61 119.4 86.0 159.6
68 0.0 0.0 0.0

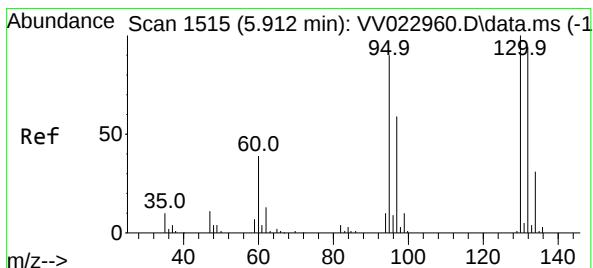
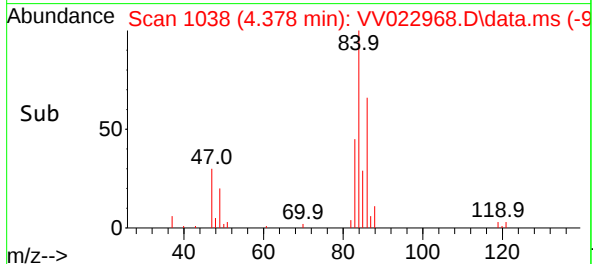
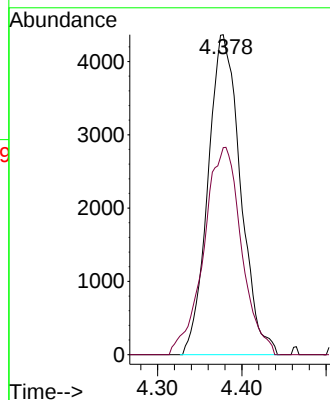
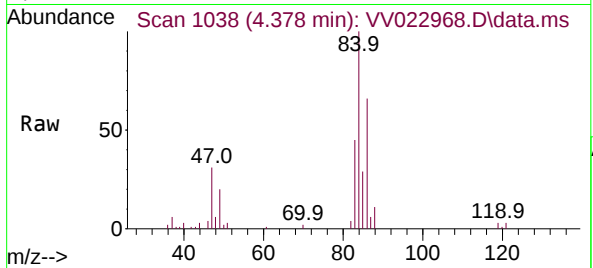




#25
Chloroform
Concen: 0.636 ug/L
RT: 4.378 min Scan# 11695
Delta R.T. 0.006 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

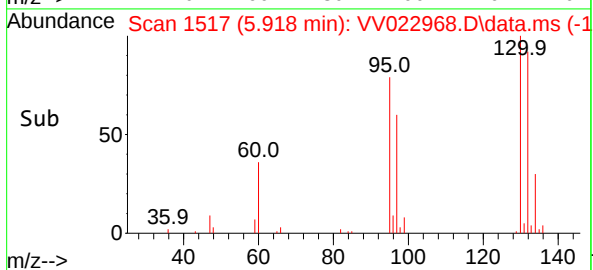
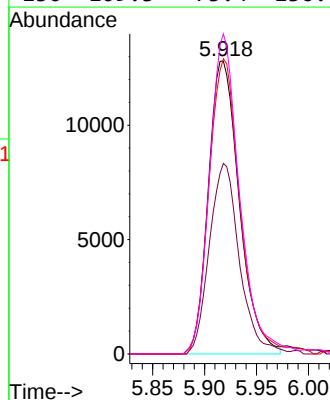
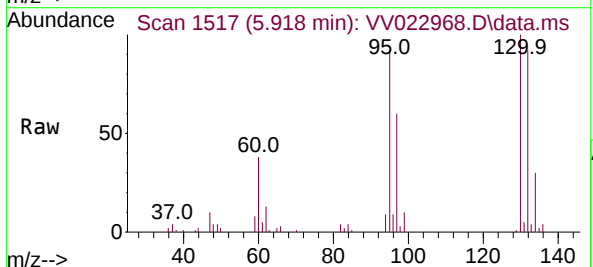
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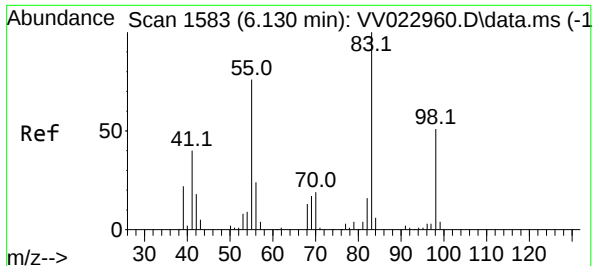
Tgt Ion: 83 Resp: 11695
Ion Ratio Lower Upper
83 100
85 64.7 45.7 84.9



#34
Trichloroethene
Concen: 2.674 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Tgt Ion: 95 Resp: 26527
Ion Ratio Lower Upper
95 100
97 65.1 45.8 85.2
132 100.8 72.2 134.0
130 109.3 73.4 136.4

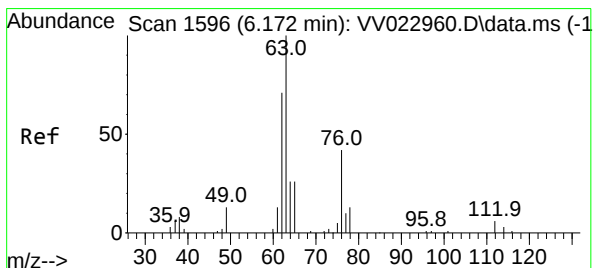
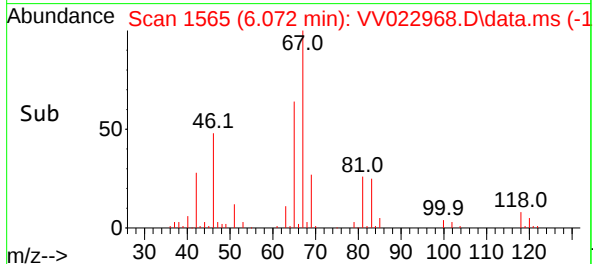
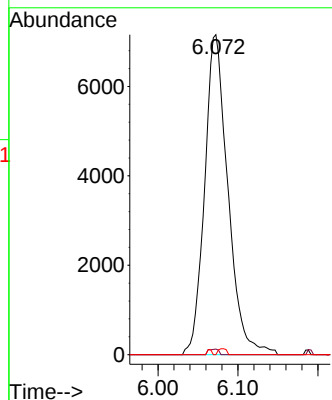
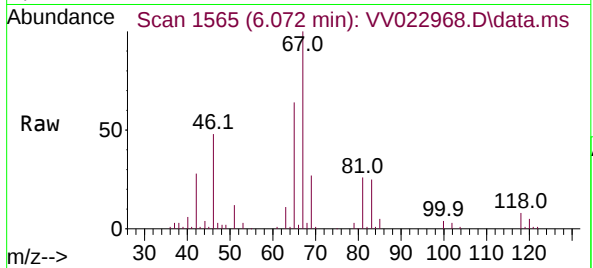




#35
Methylcyclohexane
Concen: 1.045 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

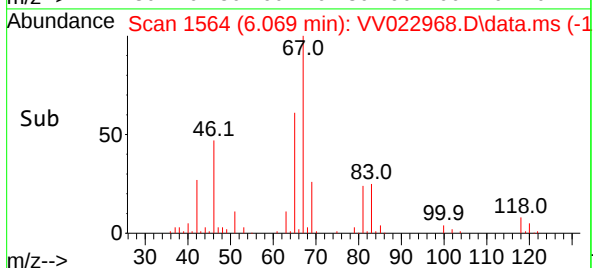
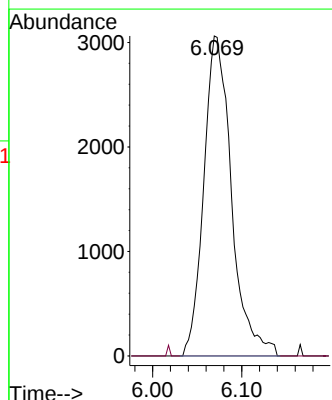
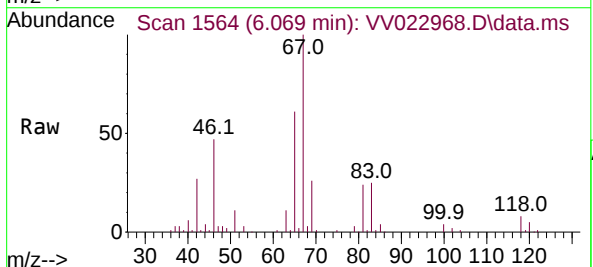
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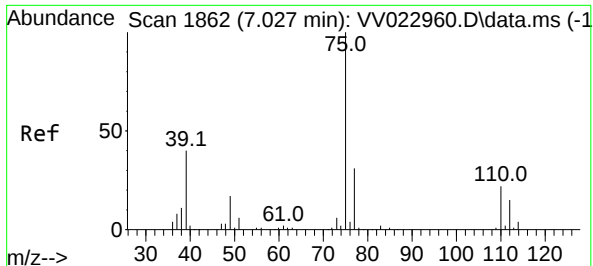
Tgt Ion: 83 Resp: 14528
Ion Ratio Lower Upper
83 100
55 0.8 63.8 95.6#
98 0.6 42.1 63.1#



#37
1,2-Dichloropropane
Concen: 0.754 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.103 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Tgt Ion: 63 Resp: 6613
Ion Ratio Lower Upper
63 100
112 0.3 4.4 6.6#





#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.039 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

Instrument :

MSVOA_V

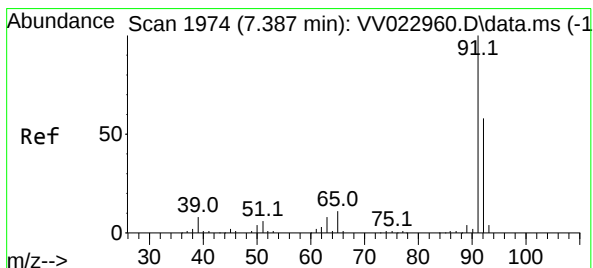
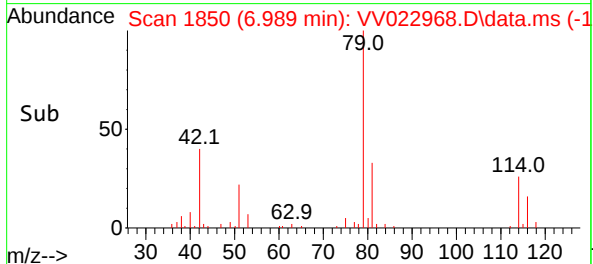
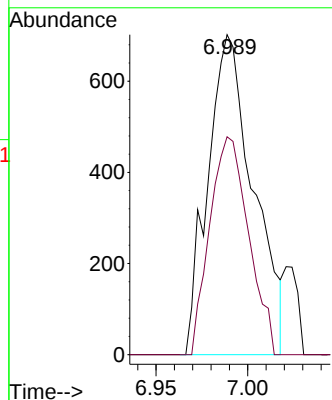
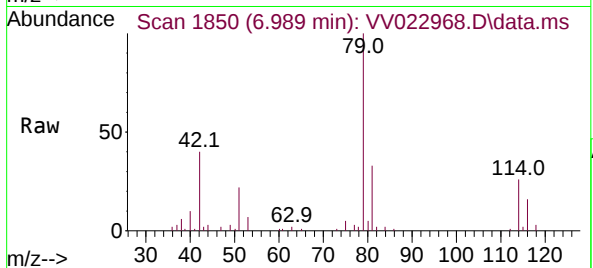
ClientSampleId :

Tgt Ion: 75 Resp: 1212

Ion Ratio Lower Upper

75 100

77 68.1 22.3 41.3#



#42

Toluene

Concen: 1.066 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VV022968.D

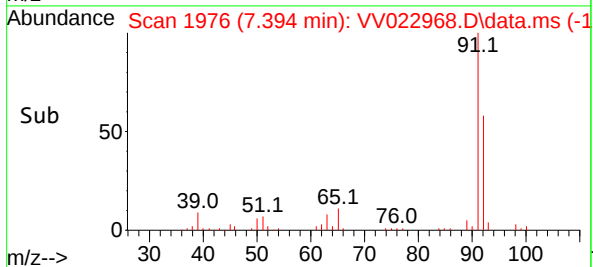
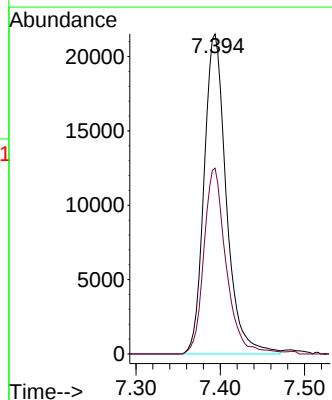
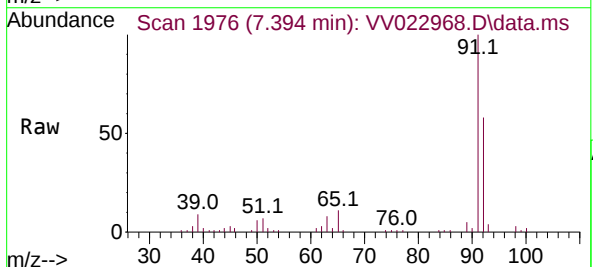
Acq: 21 Oct 2021 20:49

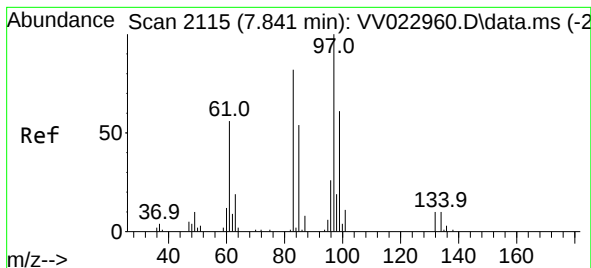
Tgt Ion: 91 Resp: 39459

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.7





#45

1,1,2-Trichloroethane

Concen: 0.157 ug/L

RT: 7.973 min Scan# 2115

Delta R.T. 0.132 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 1025

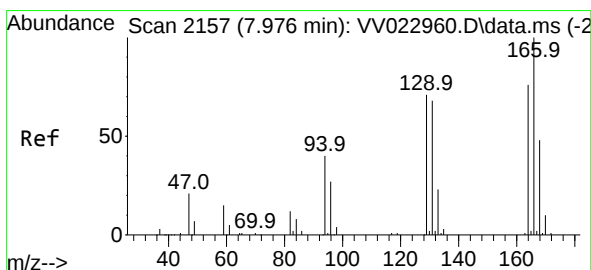
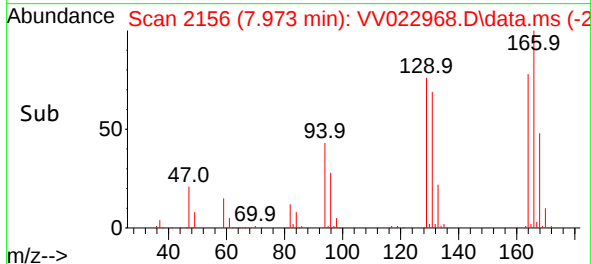
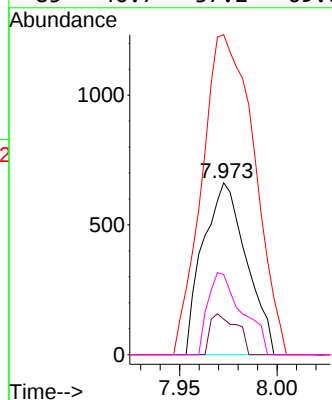
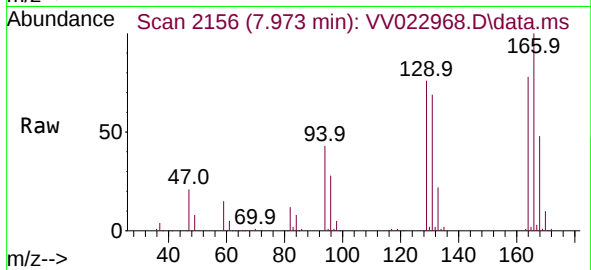
Ion Ratio Lower Upper

97 100

99 20.7 44.5 82.7#

83 186.3 56.6 105.0#

85 46.7 37.2 69.0



#47

Tetrachloroethene

Concen: 13.425 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

Tgt Ion:164 Resp: 107697

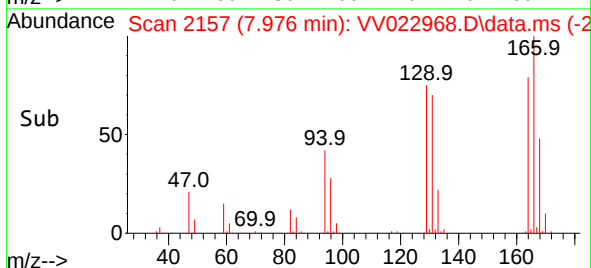
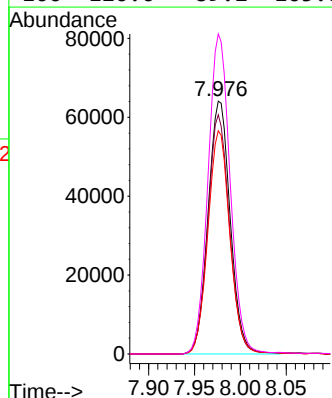
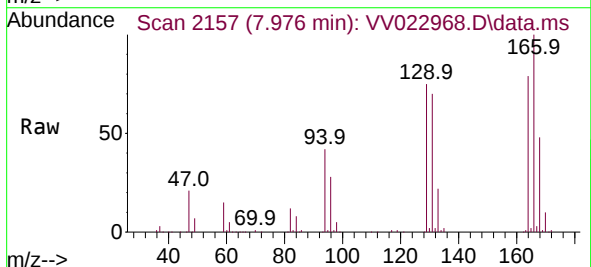
Ion Ratio Lower Upper

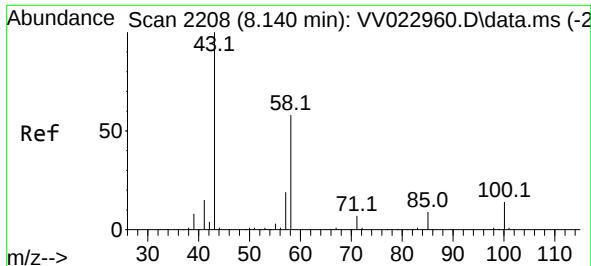
164 100

129 94.6 65.0 120.6

131 88.3 62.2 115.4

166 126.6 89.2 165.8

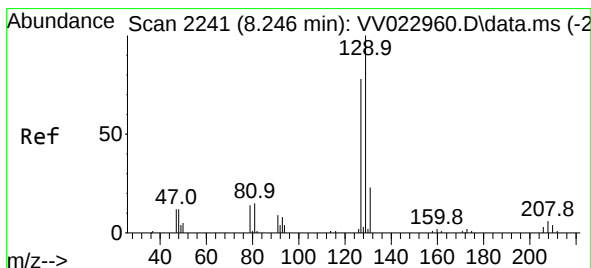
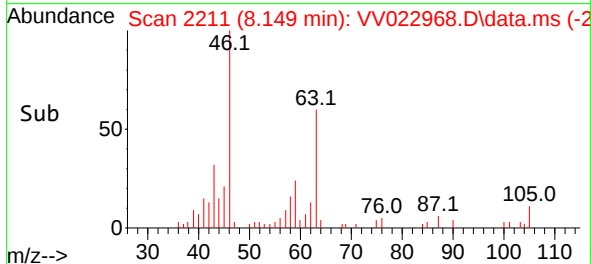
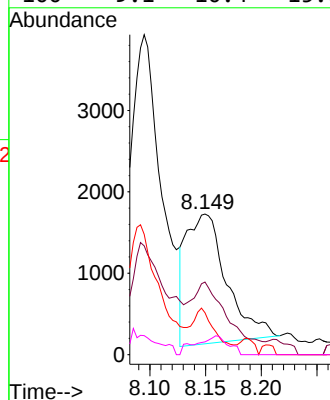
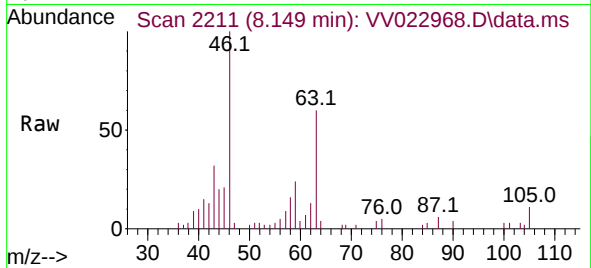




#48
2-Hexanone
Concen: 1.170 ug/L
RT: 8.149 min Scan# 2111
Delta R.T. 0.010 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

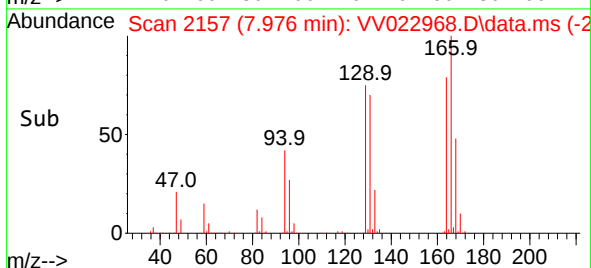
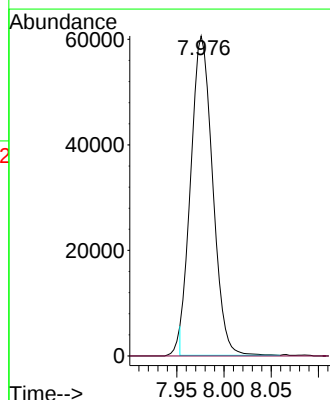
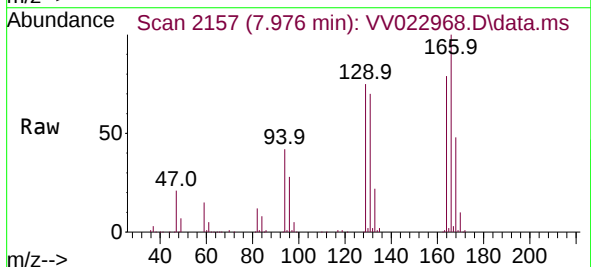
Instrument :
MSVOA_V
ClientSampleId :

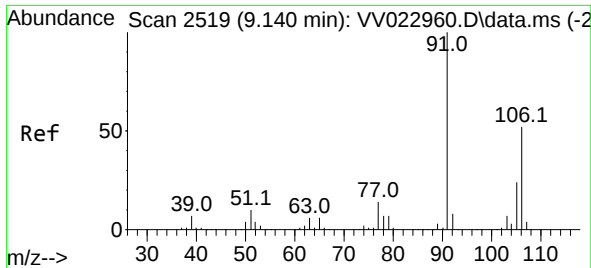
Tgt Ion: 43 Resp: 4032
Ion Ratio Lower Upper
43 100
58 50.2 47.4 71.0
57 20.0 15.3 22.9
100 9.1 10.4 15.6#



#49
Dibromochloromethane
Concen: 12.704 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Tgt Ion: 129 Resp: 96813
Ion Ratio Lower Upper
129 100
127 0.0 59.1 109.9#

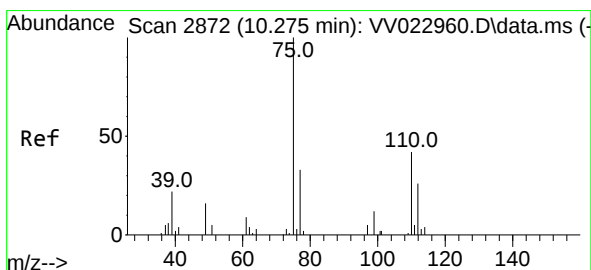
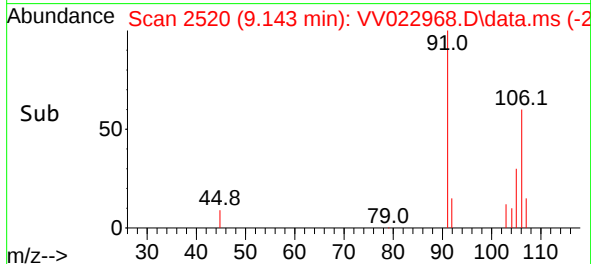
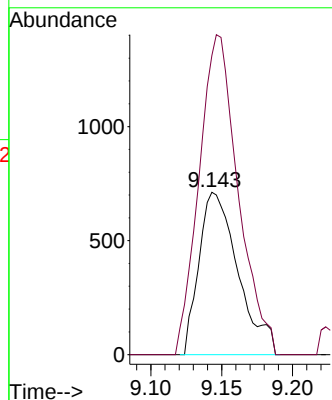
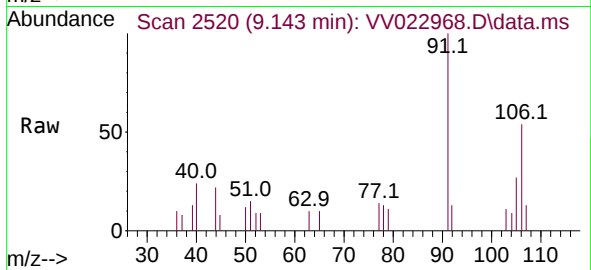




#53
m,p-xylene
Concen: 0.092 ug/L
RT: 9.143 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

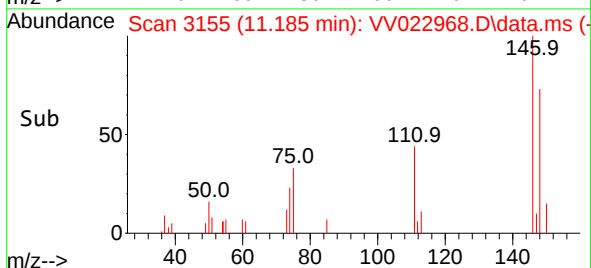
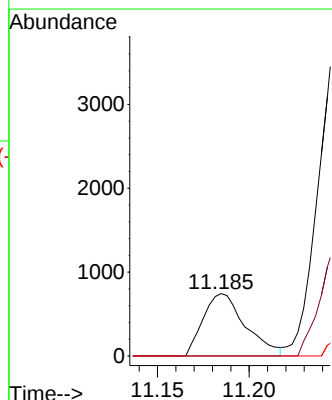
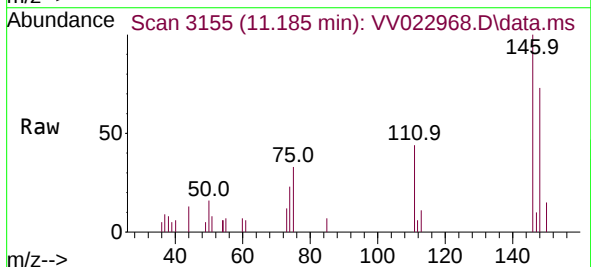
Instrument :
MSVOA_V
ClientSampleId :

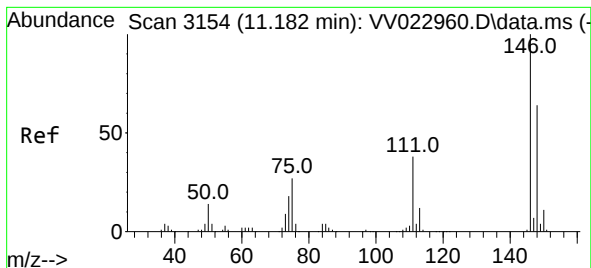
Tgt Ion:106 Resp: 1362
Ion Ratio Lower Upper
106 100
91 184.3 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 0.296 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.910 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Tgt Ion: 75 Resp: 1190
Ion Ratio Lower Upper
75 100
77 10.1 25.4 38.2#
110 0.0 34.2 51.4#





#64

1,3-Dichlorobenzene

Concen: 0.258 ug/L

RT: 11.188 min Scan# 3154

Delta R.T. 0.006 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

Instrument :

MSVOA_V

ClientSampleId :

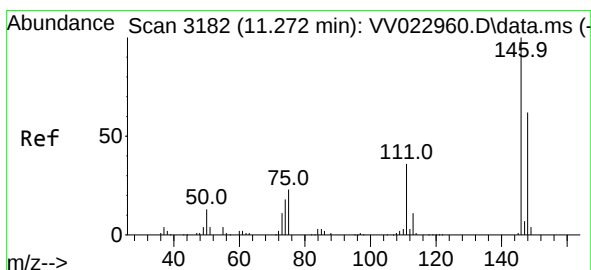
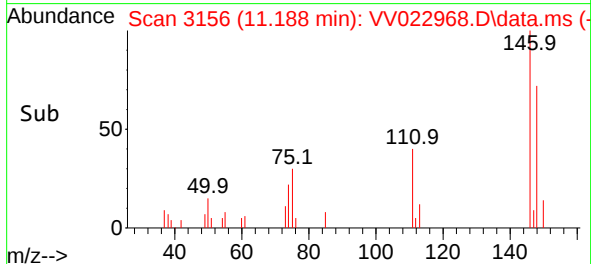
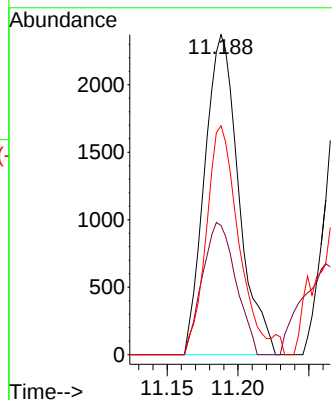
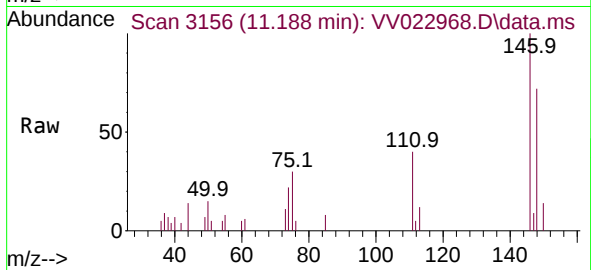
Tgt Ion:146 Resp: 3972

Ion Ratio Lower Upper

146 100

111 40.4 26.7 49.5

148 71.6 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 0.261 ug/L

RT: 11.275 min Scan# 3183

Delta R.T. 0.003 min

Lab File: VV022968.D

Acq: 21 Oct 2021 20:49

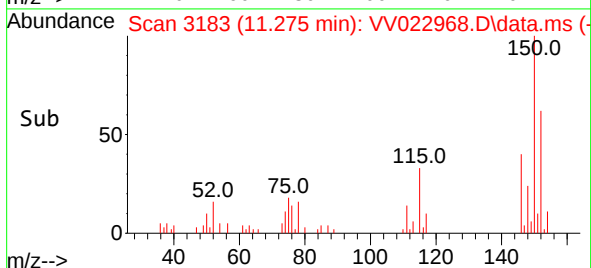
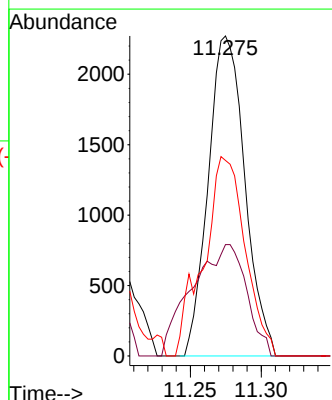
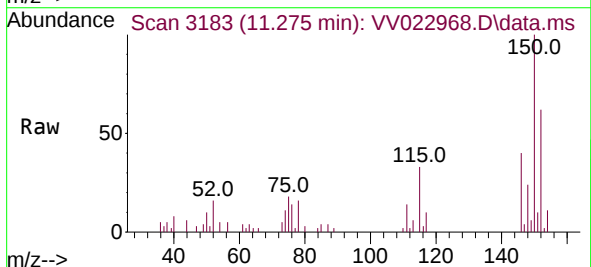
Tgt Ion:146 Resp: 4086

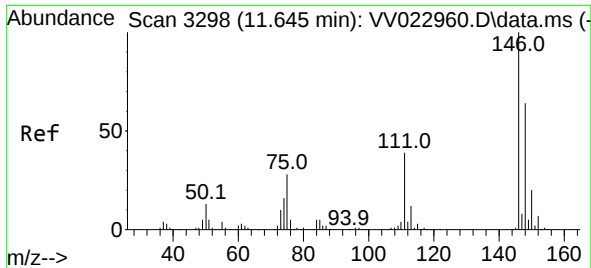
Ion Ratio Lower Upper

146 100

111 34.8 25.6 47.4

148 61.1 44.9 83.5

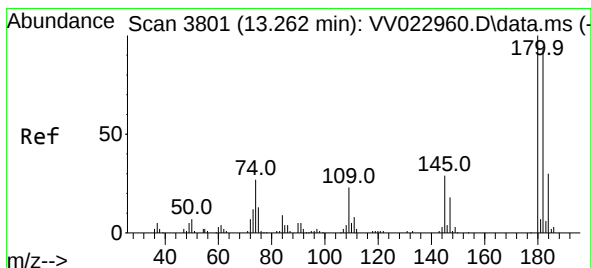
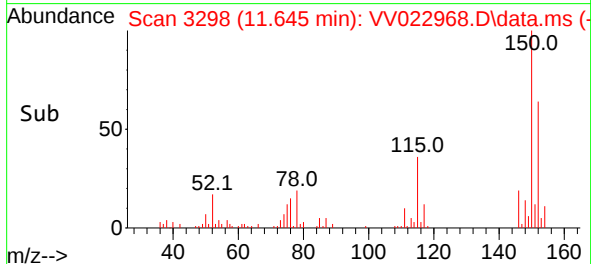
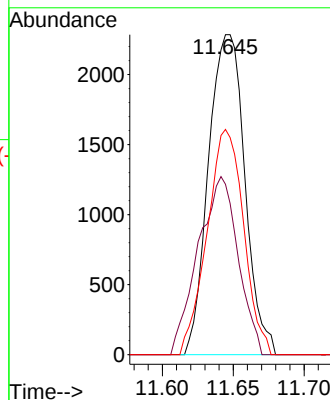
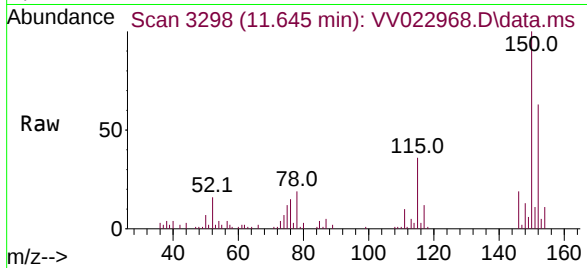




#67
1,2-Dichlorobenzene
Concen: 0.282 ug/L
RT: 11.645 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 4083
Ion Ratio Lower Upper
146 100
111 53.3 32.3 48.5#
148 70.4 52.1 78.1



#70
1,2,4-trichlorobenzene
Concen: 0.064 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.006 min
Lab File: VV022968.D
Acq: 21 Oct 2021 20:49

Tgt Ion:180 Resp: 567
Ion Ratio Lower Upper
180 100
182 88.9 76.0 114.0
145 39.3 24.1 36.1#

