

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VV022892.D
 Acq On : 19 Oct 2021 01:53
 Operator : SY/MD
 Sample : M4137-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 04:09:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 19 04:07:06 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	117924	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	119772	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56900	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	33568	4.137	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	82.800%	
7) Chloroethane-d5	1.568	69	31888	4.374	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	87.400%	
11) 1,1-Dichloroethene-d2	2.108	63	48350	3.038	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	60.800%	
20) 2-Butanone-d5	3.886	46	120987	56.872	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	113.740%	
24) Chloroform-d	4.352	84	93500	5.592	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	111.800%	
26) 1,2-Dichloroethane-d4	5.034	65	45304	5.583	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	111.600%	
32) Benzene-d6	5.053	84	182715	5.125	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.400%	
36) 1,2-Dichloropropane-d6	6.072	67	58961	5.584	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	111.600%	
41) Toluene-d8	7.317	98	149949	4.865	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	97.200%	
43) trans-1,3-Dichloroprop...	7.625	79	17826	5.089	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	101.800%	
46) 2-Hexanone-d5	8.088	63	95346	67.544	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	135.080%#	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	43462	6.076	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	121.600%#	
66) 1,2-Dichlorobenzene-d4	11.625	152	60504	5.735	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	114.800%	
Target Compounds						
5) Vinyl chloride	1.310	62	7632	0.855	ug/L	91
8) Chloroethane	1.310	64	2890	0.523	ug/L	90
12) 1,1-Dichloroethene	2.114	96	1180	0.166	ug/L #	1
13) Acetone	2.346	43	1525	1.286	ug/L	82
17) Methyl tert-butyl Ether	2.773	73	14652	0.850	ug/L	98
18) trans-1,2-Dichloroethene	2.767	96	2224	0.287	ug/L	93
19) 1,1-Dichloroethane	3.195	63	4780	0.343	ug/L	93
22) cis-1,2-Dichloroethene	3.912	96	373723	45.946	ug/L	97
34) Trichloroethene	5.915	95	49540	5.648	ug/L	98
35) Methylcyclohexane	6.072	83	13944	1.135	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	6355	0.819	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1501	0.146	ug/L #	78
42) Toluene	7.391	91	63133	1.928	ug/L	99
47) Tetrachloroethene	7.976	164	255963	36.080	ug/L	99
48) 2-Hexanone	8.091	43	10836	3.555	ug/L #	70
49) Dibromochloromethane	7.976	129	220589	32.732	ug/L #	7
53) m,p-xylene	9.146	106	1491	0.114	ug/L	88
61) 1,2,3-Trichloropropane	11.188	75	1396	0.353	ug/L #	50
64) 1,3-Dichlorobenzene	11.188	146	4758	0.314	ug/L	86

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 Response via : Initial Calibration

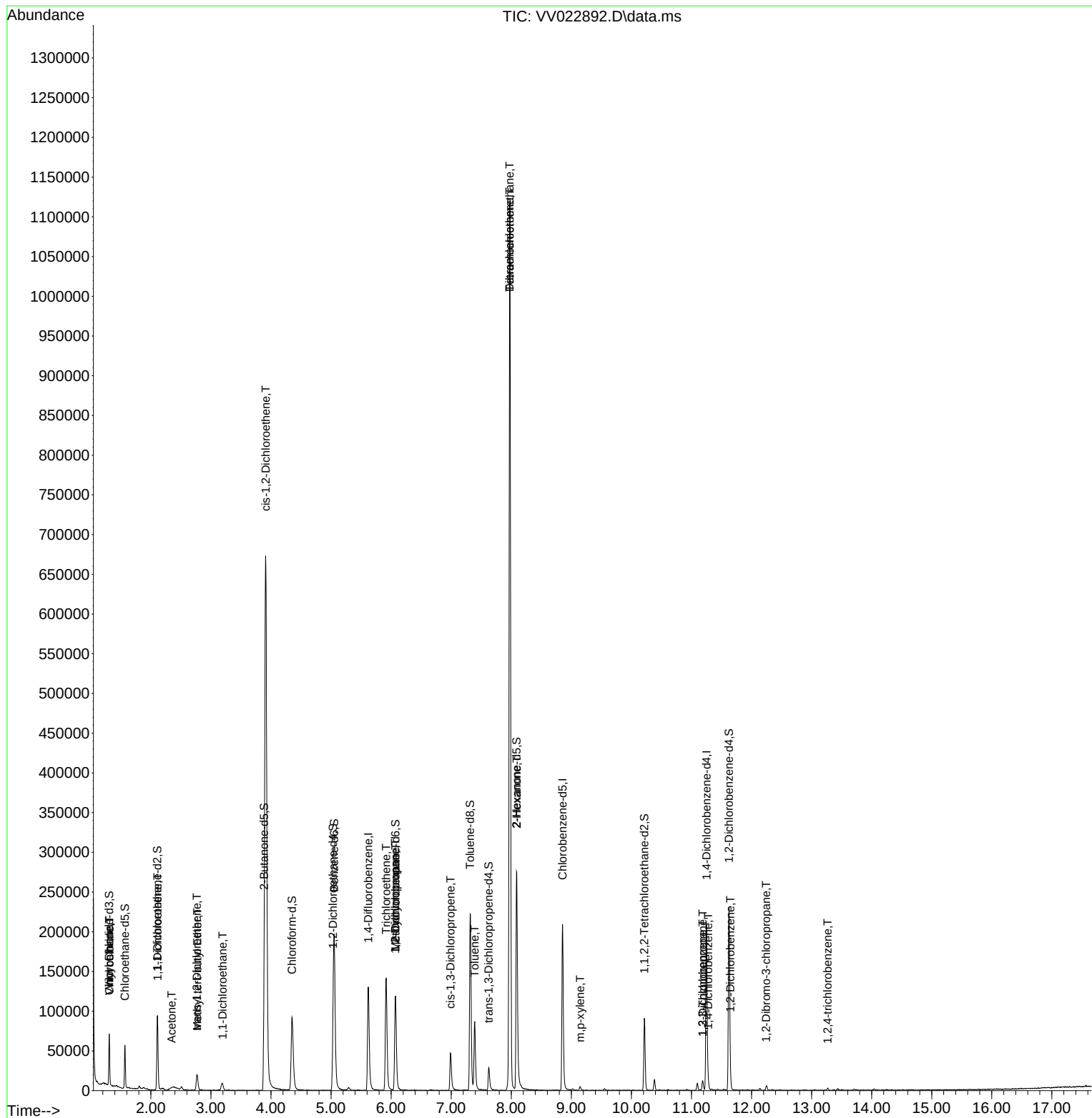
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.278	146	4362	0.283	ug/L	95
67) 1,2-Dichlorobenzene	11.648	146	4999	0.351	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.242	75	185	0.257	ug/L #	1
70) 1,2,4-trichlorobenzene	13.268	180	1110	0.127	ug/L #	86

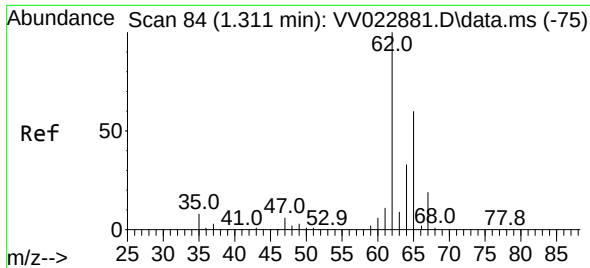
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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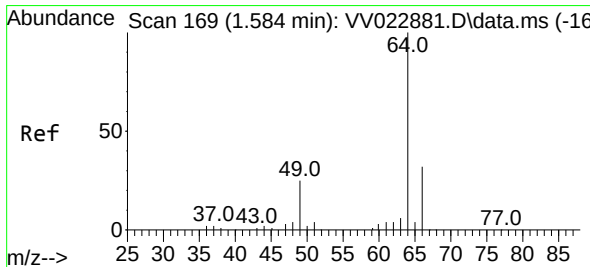
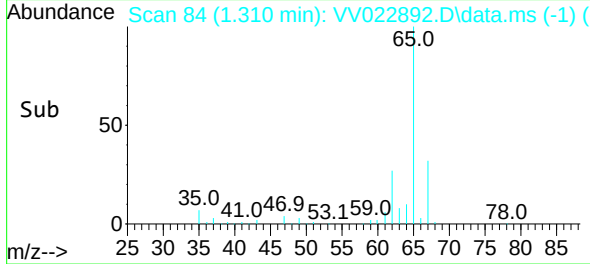
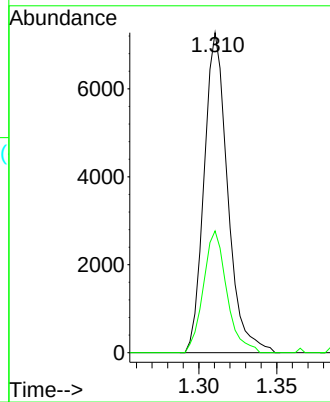
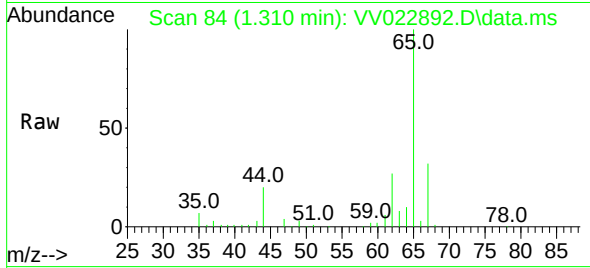




#5
 Vinyl chloride
 Concen: 0.855 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV022892.D
 Acq: 19 Oct 2021 01:53

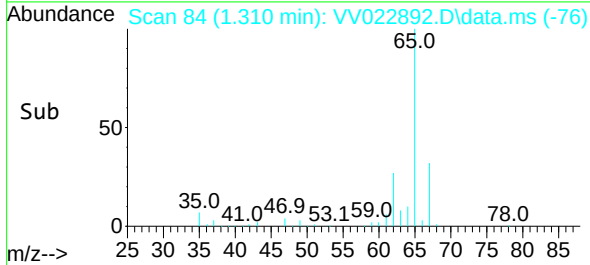
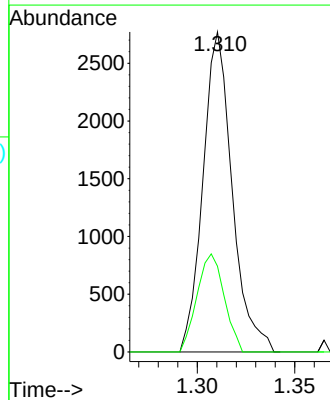
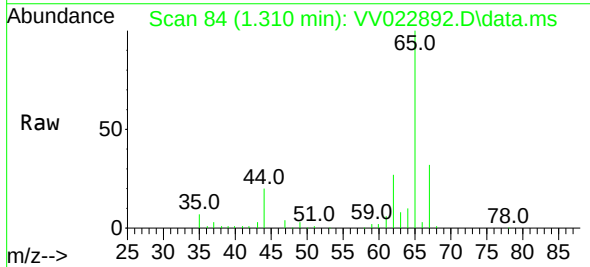
Instrument :
 MSVOA_V
 ClientSampled :

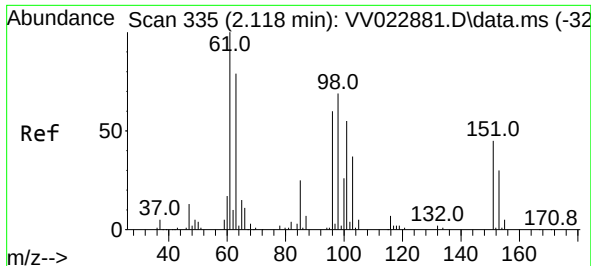
Tgt Ion: 62 Resp: 7632
 Ion Ratio Lower Upper
 62 100
 64 38.1 23.0 42.8



#8
 Chloroethane
 Concen: 0.523 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.273 min
 Lab File: VV022892.D
 Acq: 19 Oct 2021 01:53

Tgt Ion: 64 Resp: 2890
 Ion Ratio Lower Upper
 64 100
 66 26.8 22.9 42.5

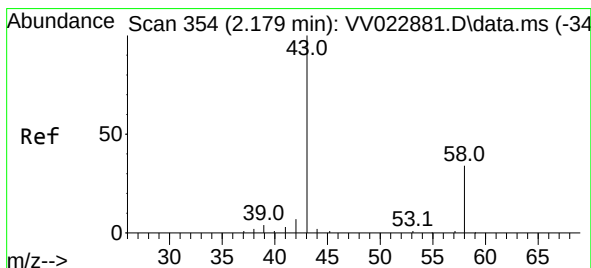
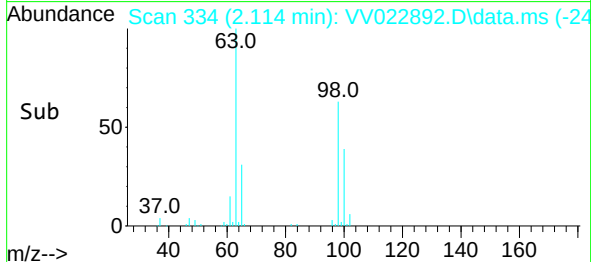
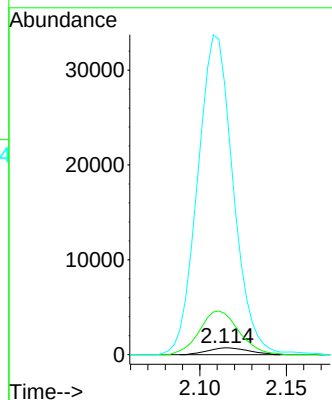
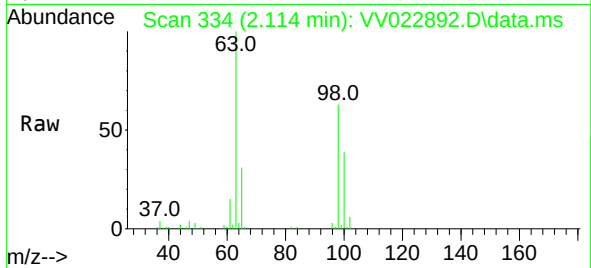




#12
1,1-Dichloroethene
Concen: 0.166 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

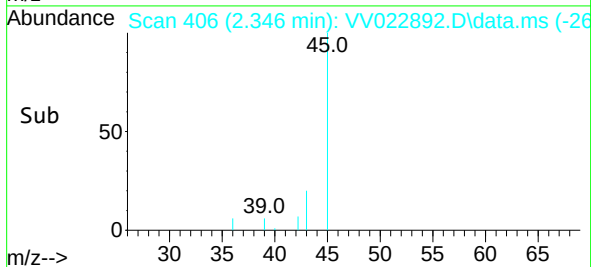
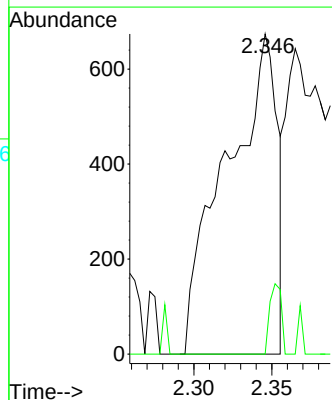
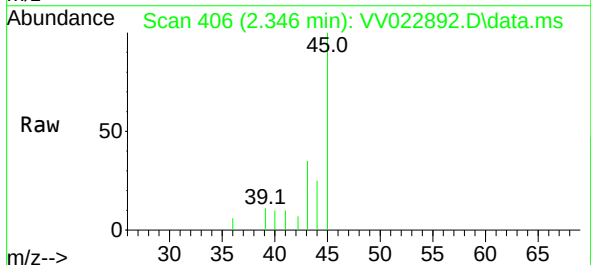
Instrument :
MSVOA_V
ClientSampled :

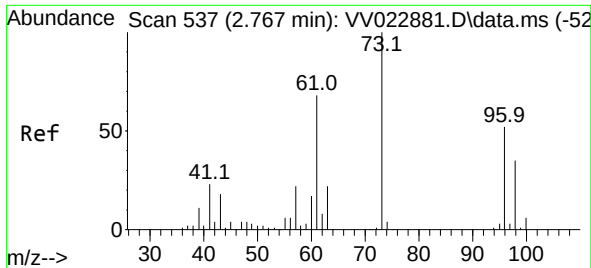
Tgt Ion: 96 Resp: 1180
Ion Ratio Lower Upper
96 100
61 600.4 127.3 236.5#
63 3940.6 106.2 197.2#



#13
Acetone
Concen: 1.286 ug/L
RT: 2.346 min Scan# 406
Delta R.T. 0.167 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

Tgt Ion: 43 Resp: 1525
Ion Ratio Lower Upper
43 100
58 5.0 0.0 24.2

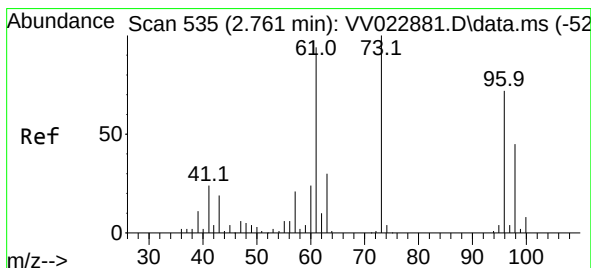
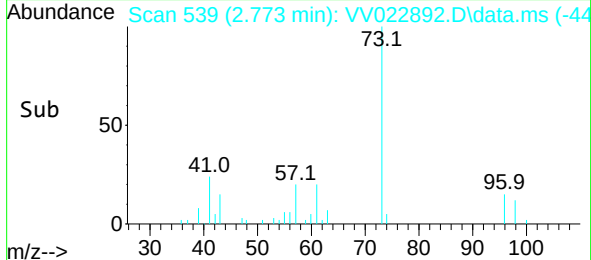
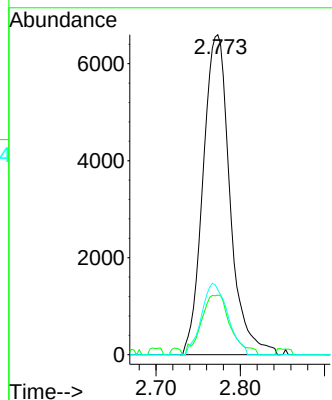
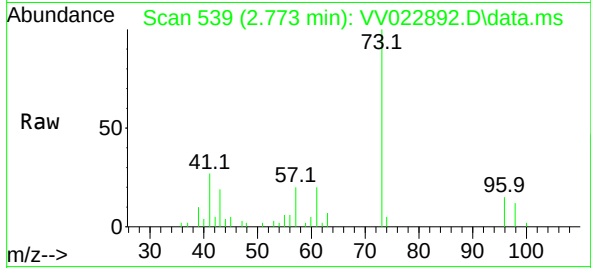




#17
Methyl tert-butyl Ether
Concen: 0.850 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.006 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

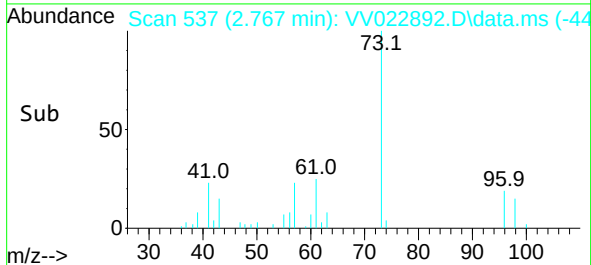
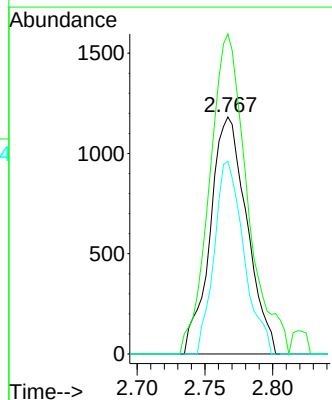
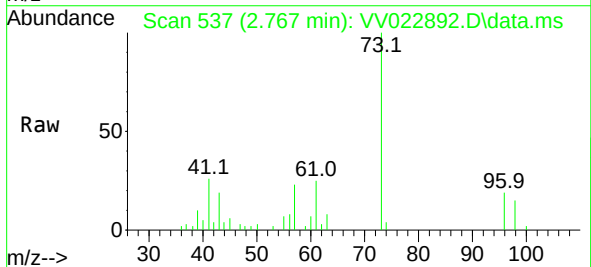
Instrument :
MSVOA_V
ClientSampleId :

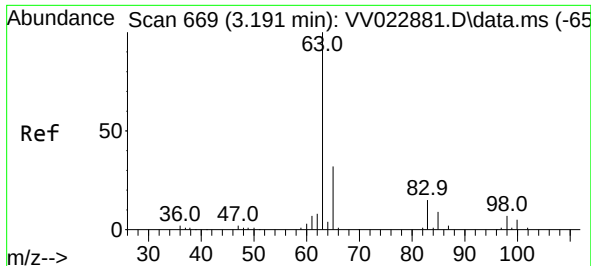
Tgt Ion: 73 Resp: 14652
Ion Ratio Lower Upper
73 100
43 20.1 17.1 25.7
57 21.6 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 0.287 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

Tgt Ion: 96 Resp: 2224
Ion Ratio Lower Upper
96 100
61 135.0 94.5 175.5
98 81.3 44.2 82.0





#19

1,1-Dichloroethane

Concen: 0.343 ug/L

RT: 3.195 min Scan# 670

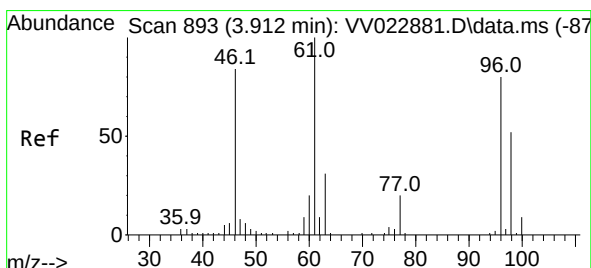
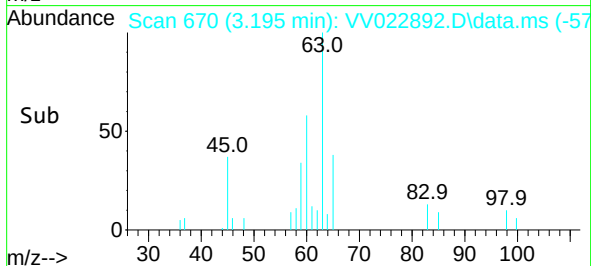
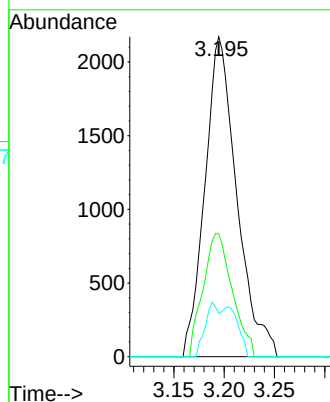
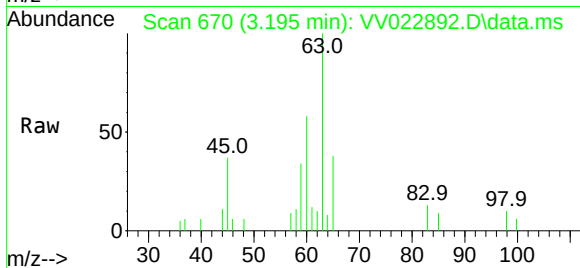
Delta R.T. 0.003 min

Lab File: VV022892.D

Acq: 19 Oct 2021 01:53

Tgt Ion:	63	Resp:	4780
Ion	Ratio	Lower	Upper
63	100		
65	38.4	23.5	43.7
83	13.5	10.1	18.7

Instrument :
MSVOA_V
ClientSampled :



#22

cis-1,2-Dichloroethene

Concen: 45.946 ug/L

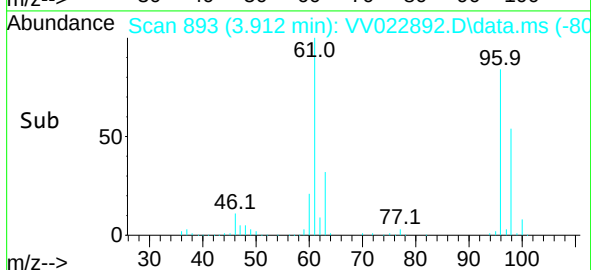
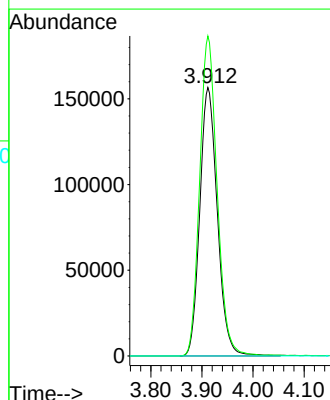
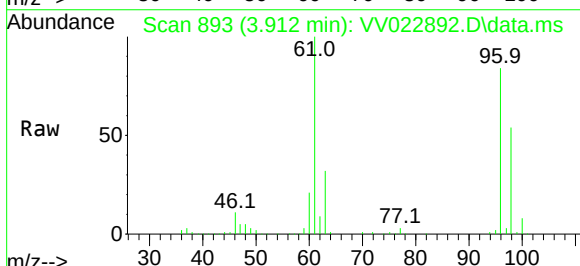
RT: 3.912 min Scan# 893

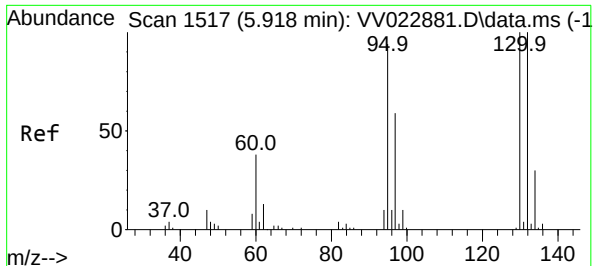
Delta R.T. -0.000 min

Lab File: VV022892.D

Acq: 19 Oct 2021 01:53

Tgt Ion:	96	Resp:	373723
Ion	Ratio	Lower	Upper
96	100		
61	119.2	86.0	159.6
68	0.0	0.0	0.0





#34

Trichloroethene

Concen: 5.648 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. -0.003 min

Lab File: VV022892.D

Acq: 19 Oct 2021 01:53

Tgt Ion: 95 Resp: 49540

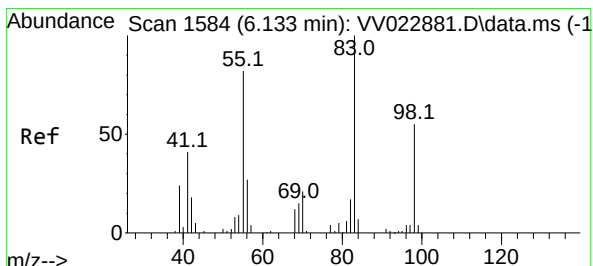
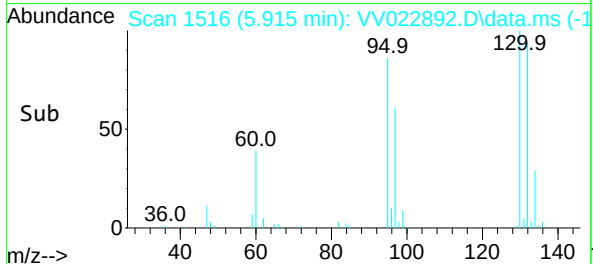
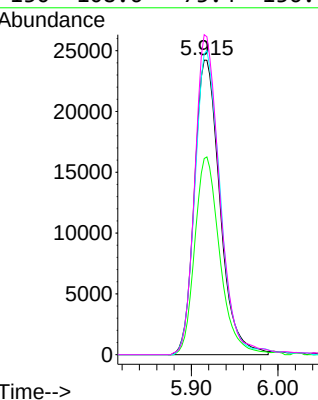
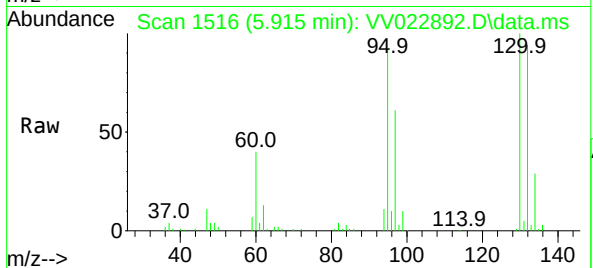
Ion Ratio Lower Upper

95 100

97 66.6 45.8 85.2

132 102.1 72.2 134.0

130 108.6 73.4 136.4



#35

Methylcyclohexane

Concen: 1.135 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV022892.D

Acq: 19 Oct 2021 01:53

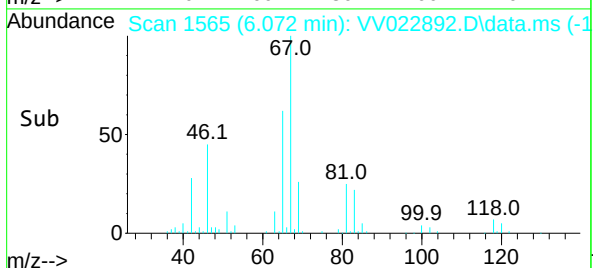
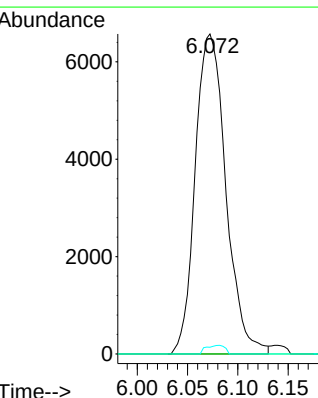
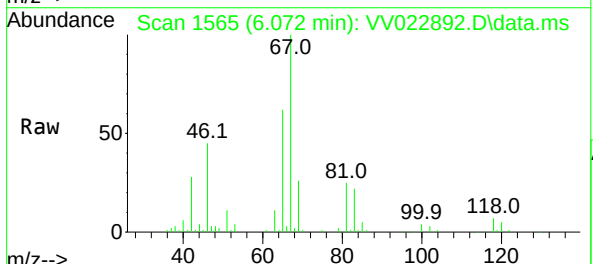
Tgt Ion: 83 Resp: 13944

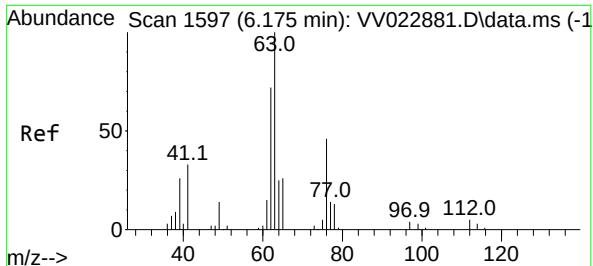
Ion Ratio Lower Upper

83 100

55 0.0 63.8 95.6#

98 1.6 42.1 63.1#



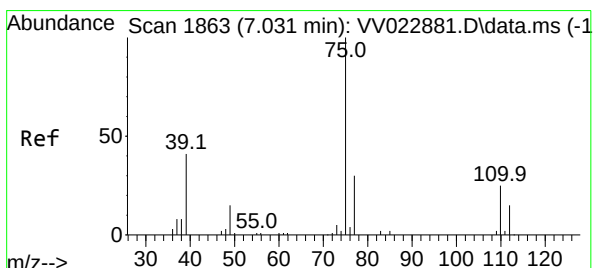
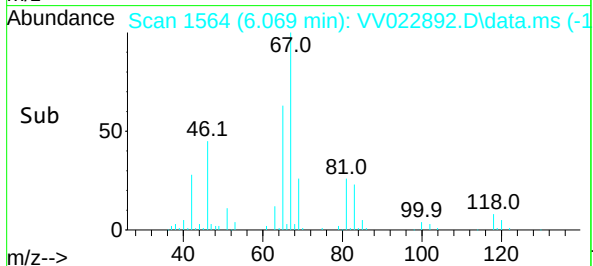
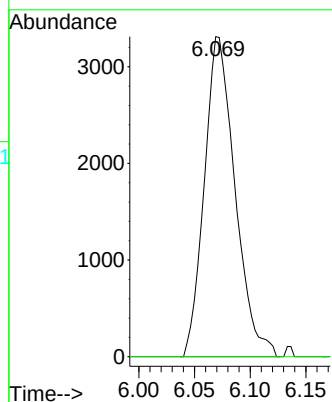
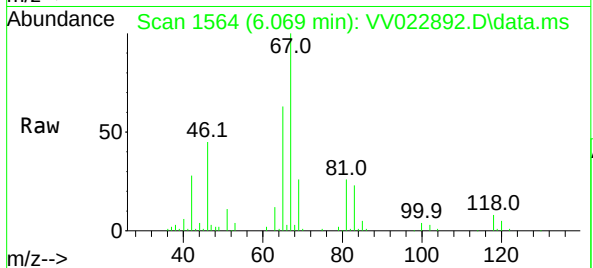


#37

1,2-Dichloropropane
Concen: 0.819 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.106 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

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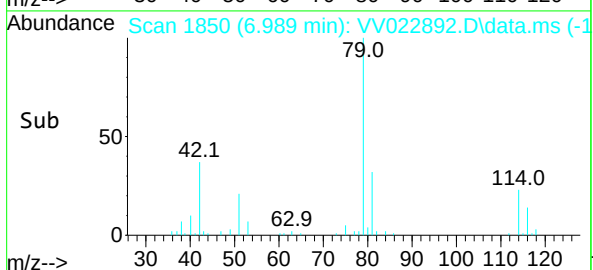
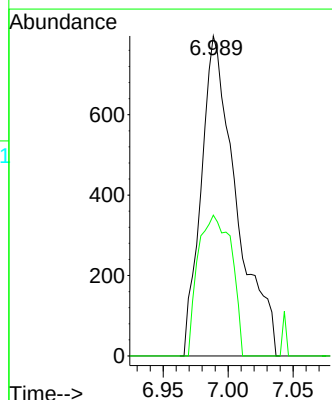
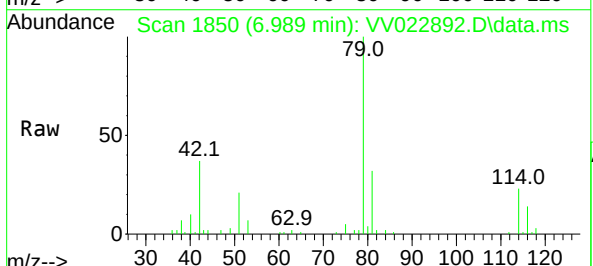
Tgt Ion: 63 Resp: 6355
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#

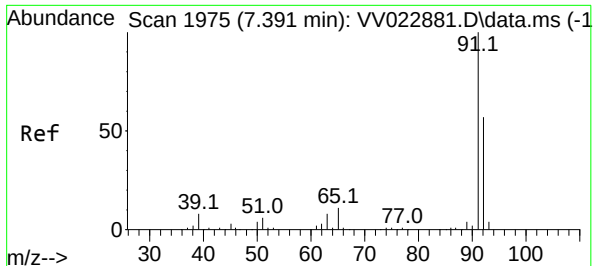


#39

cis-1,3-Dichloropropene
Concen: 0.146 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

Tgt Ion: 75 Resp: 1501
Ion Ratio Lower Upper
75 100
77 44.0 22.3 41.3#

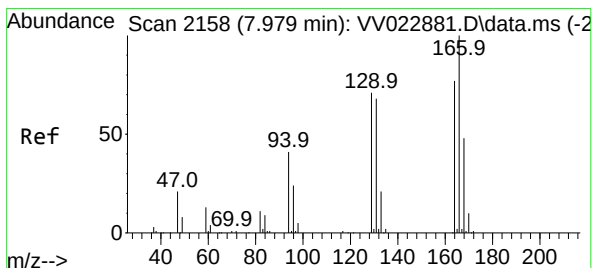
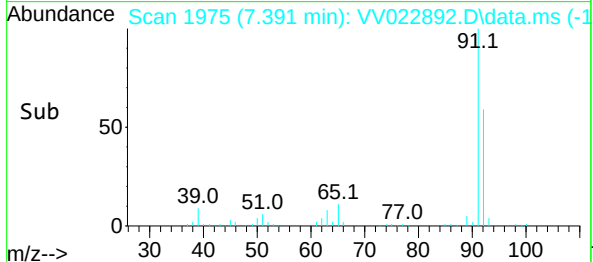
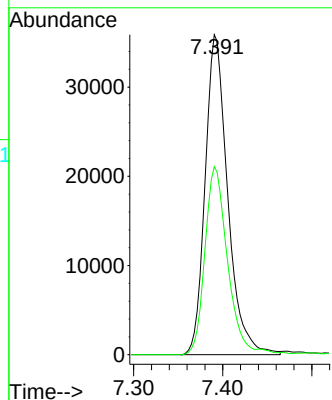
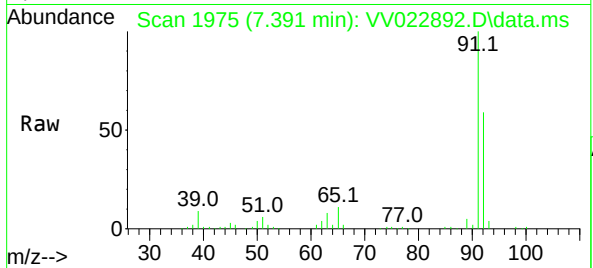




#42
Toluene
Concen: 1.928 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. -0.000 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

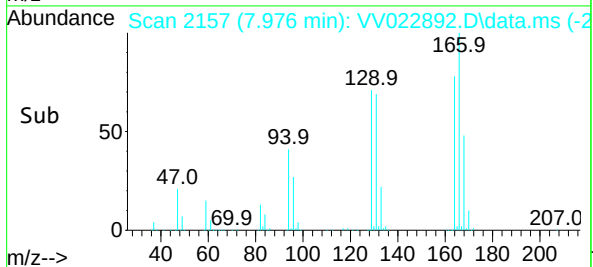
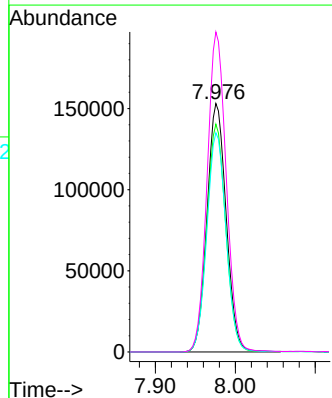
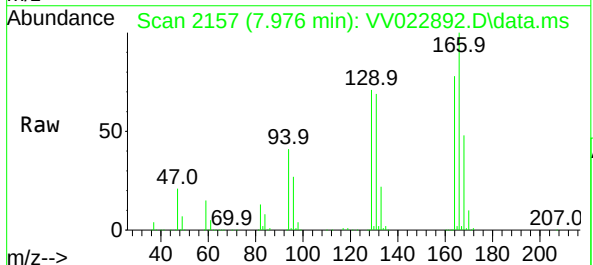
Instrument :
MSVOA_V
ClientSampled :

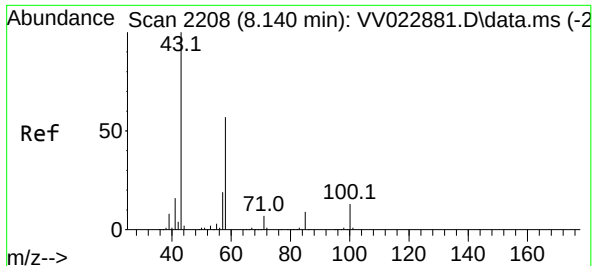
Tgt Ion: 91 Resp: 63133
Ion Ratio Lower Upper
91 100
92 58.8 40.7 75.7



#47
Tetrachloroethene
Concen: 36.080 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.003 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

Tgt Ion:164 Resp: 255963
Ion Ratio Lower Upper
164 100
129 91.6 65.0 120.6
131 88.2 62.2 115.4
166 128.8 89.2 165.8

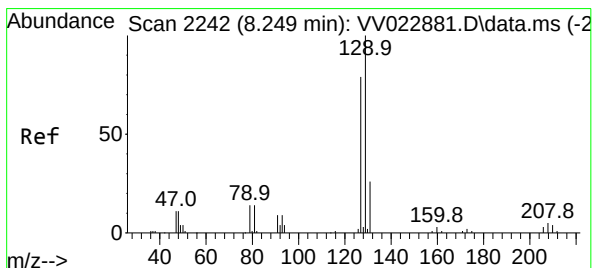
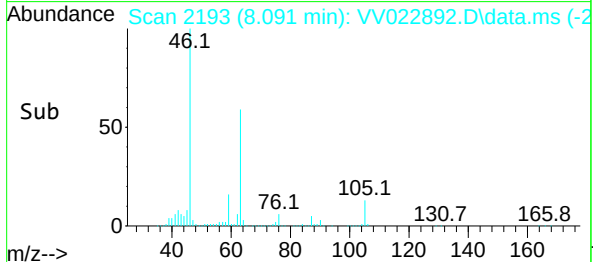
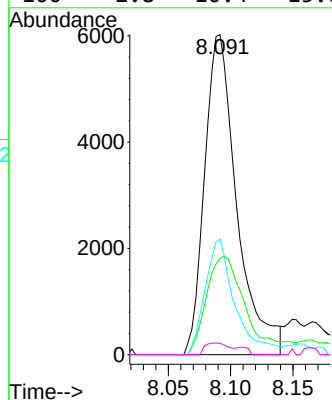
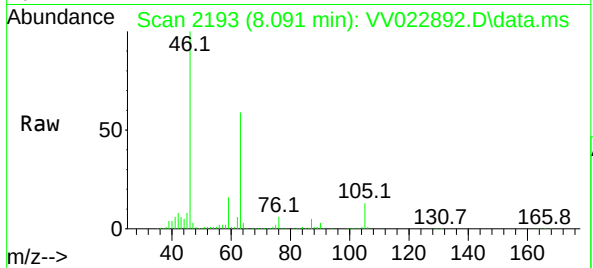




#48
2-Hexanone
Concen: 3.555 ug/L
RT: 8.091 min Scan# 2193
Delta R.T. -0.048 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

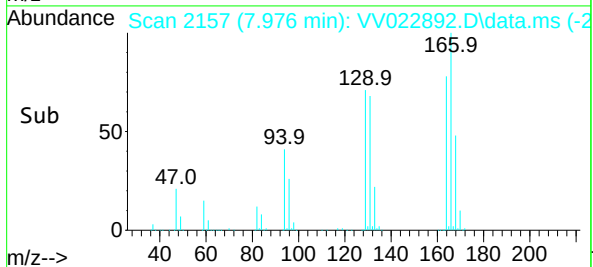
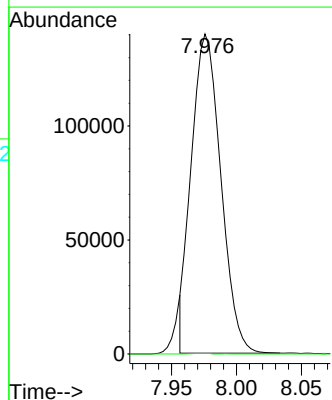
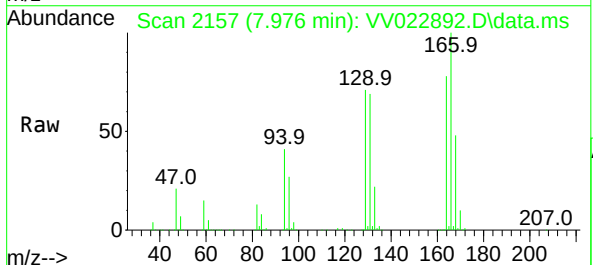
Instrument :
MSVOA_V
ClientSampled :

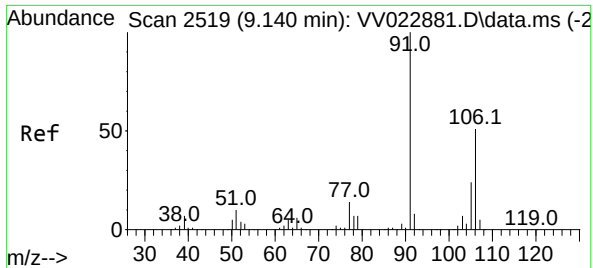
Tgt Ion: 43	Resp: 10836
Ion Ratio	Lower Upper
43	100
58	36.5 47.4 71.0#
57	33.4 15.3 22.9#
100	2.8 10.4 15.6#



#49
Dibromochloromethane
Concen: 32.732 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.273 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

Tgt Ion: 129	Resp: 220589
Ion Ratio	Lower Upper
129	100
127	0.2 59.1 109.9#

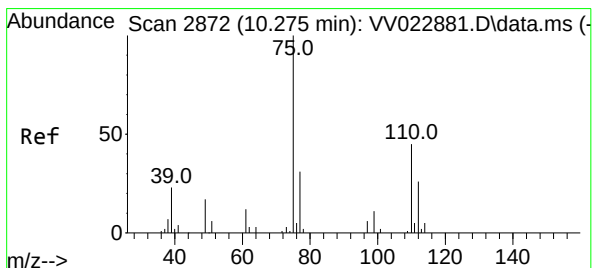
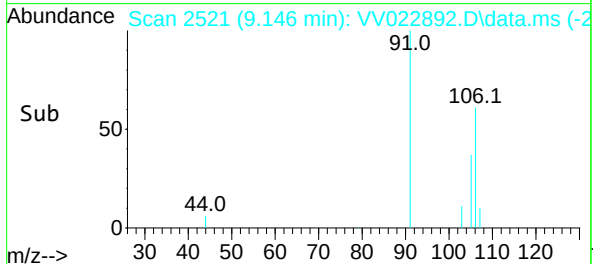
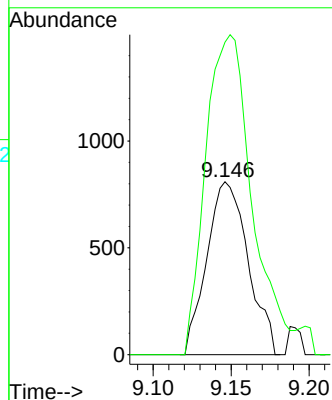
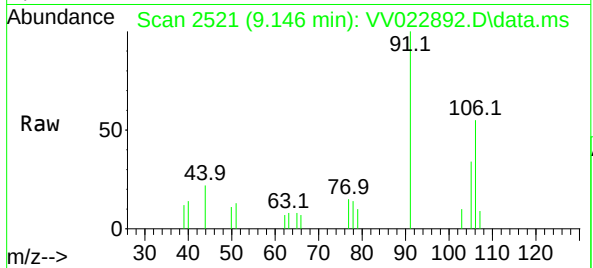




#53
m,p-xylene
Concen: 0.114 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.006 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

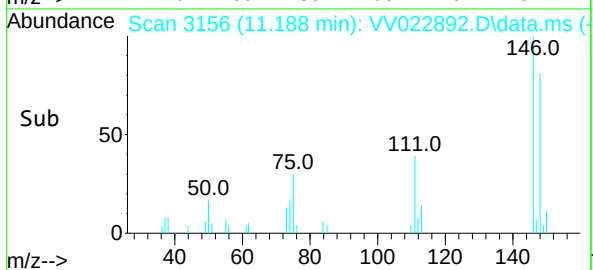
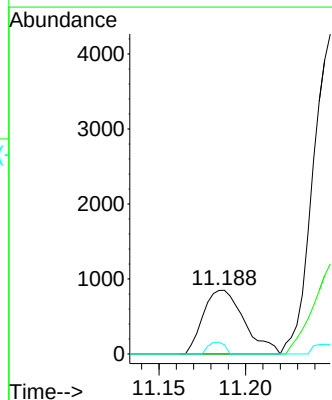
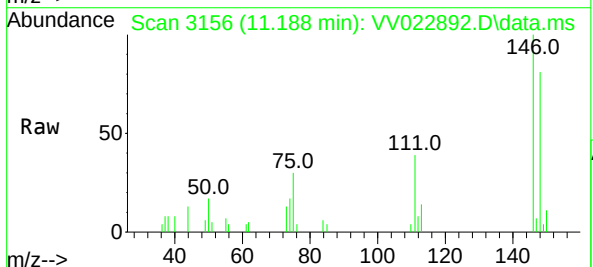
Instrument :
MSVOA_V
ClientSampled :

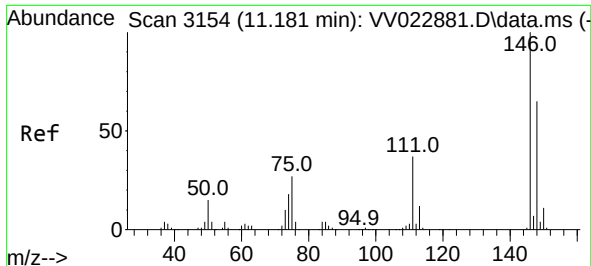
Tgt Ion:106 Resp: 1491
Ion Ratio Lower Upper
106 100
91 180.6 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 0.353 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.913 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

Tgt Ion: 75 Resp: 1396
Ion Ratio Lower Upper
75 100
77 8.0 25.4 38.2#
110 7.4 34.2 51.4#

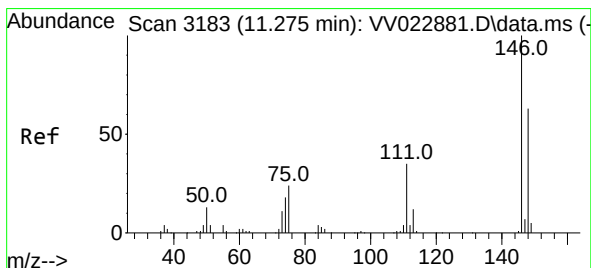
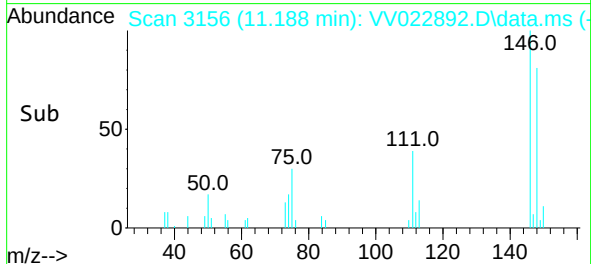
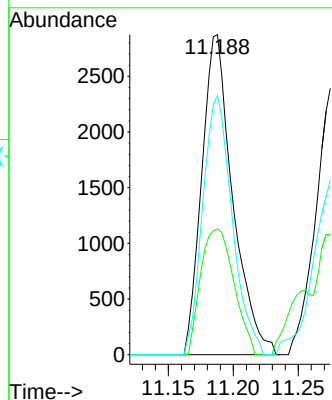
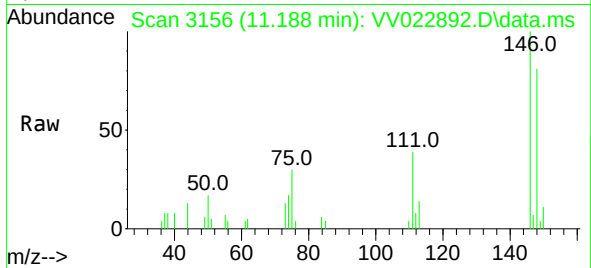




#64
1,3-Dichlorobenzene
Concen: 0.314 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

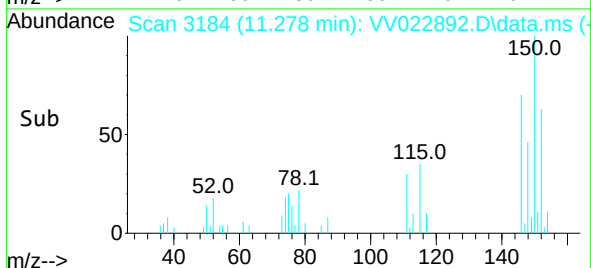
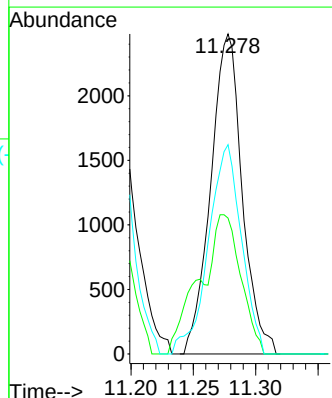
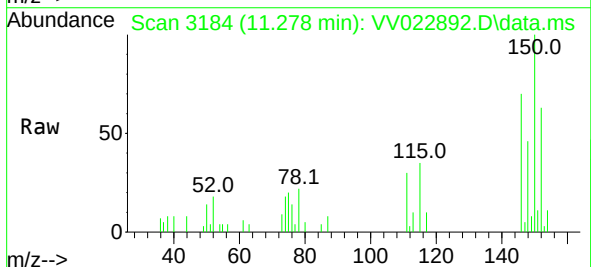
Instrument :
MSVOA_V
ClientSampled :

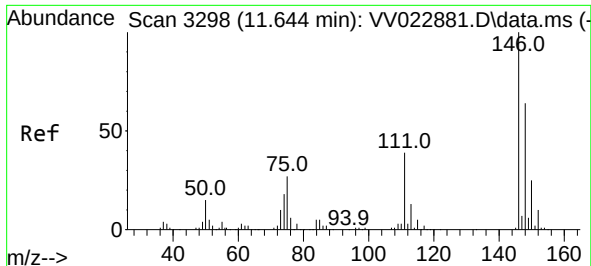
Tgt Ion:146 Resp: 4758
Ion Ratio Lower Upper
146 100
111 39.3 26.7 49.5
148 80.9 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 0.283 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

Tgt Ion:146 Resp: 4362
Ion Ratio Lower Upper
146 100
111 42.5 25.6 47.4
148 65.4 44.9 83.5

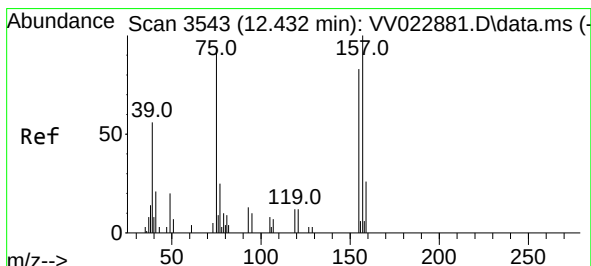
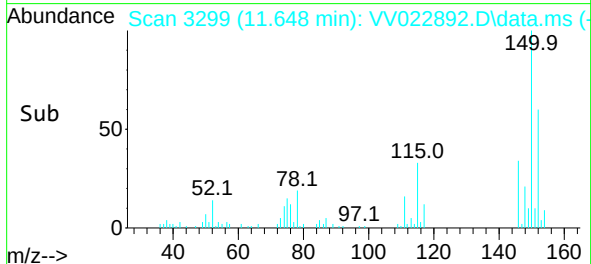
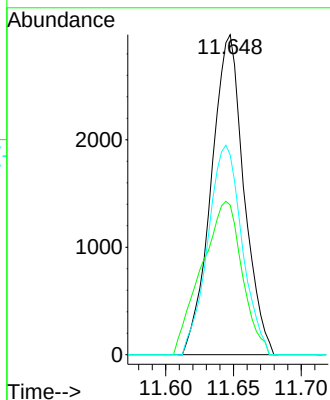
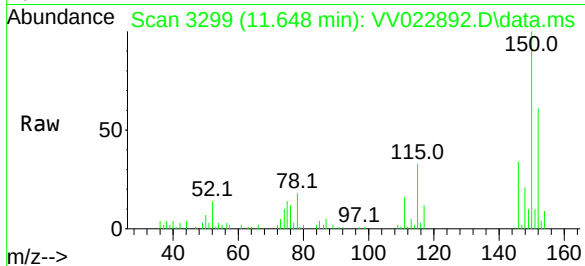




#67
1,2-Dichlorobenzene
Concen: 0.351 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.003 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

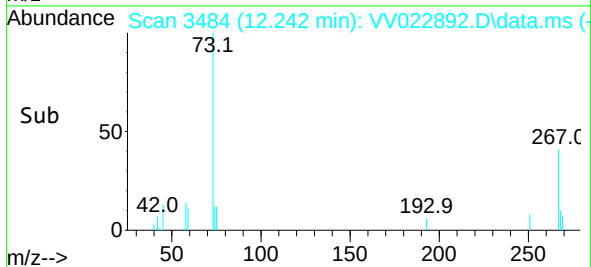
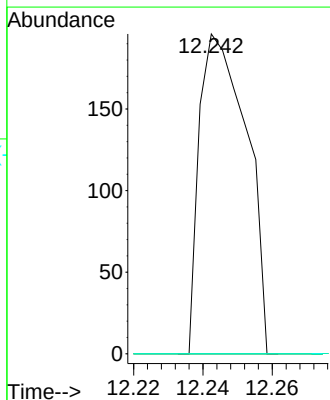
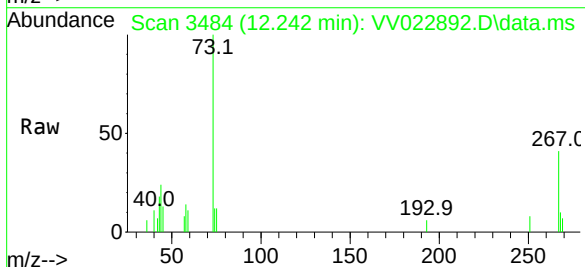
Instrument :
MSVOA_V
ClientSampled :

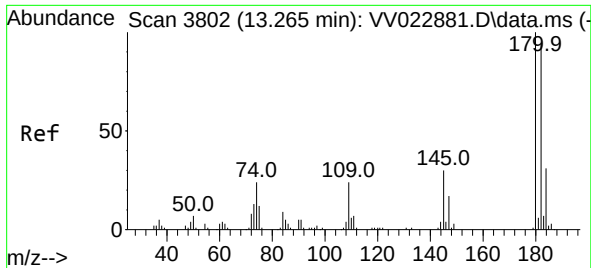
Tgt Ion:	146	Resp:	4999
Ion Ratio	Lower	Upper	
146	100		
111	46.8	32.3	48.5
148	62.4	52.1	78.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.257 ug/L
RT: 12.242 min Scan# 3484
Delta R.T. -0.190 min
Lab File: VV022892.D
Acq: 19 Oct 2021 01:53

Tgt Ion:	75	Resp:	185
Ion Ratio	Lower	Upper	
75	100		
155	0.0	82.4	123.6#
157	0.0	114.1	171.1#





#70
 1,2,4-trichlorobenzene
 Concen: 0.127 ug/L
 RT: 13.268 min Scan# 3803
 Delta R.T. 0.003 min
 Lab File: VV022892.D
 Acq: 19 Oct 2021 01:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:180 Resp: 1110
 Ion Ratio Lower Upper
 180 100
 182 86.7 76.0 114.0
 145 13.0 24.1 36.1#

