

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VV022896.D
 Acq On : 19 Oct 2021 03:29
 Operator : SY/MD
 Sample : M4137-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 04:09:37 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	123071	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	123918	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	57441	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	33374	3.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.568	69	31839	4.184	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.600%
11) 1,1-Dichloroethene-d2	2.108	63	48304	2.908	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.200%#
20) 2-Butanone-d5	3.889	46	116566	52.502	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.000%
24) Chloroform-d	4.352	84	95702	5.485	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.600%
26) 1,2-Dichloroethane-d4	5.034	65	43998	5.195	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	5.053	84	179390	4.863	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.072	67	57712	5.283	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.600%
41) Toluene-d8	7.317	98	150431	4.717	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	7.625	79	16662	4.598	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.088	63	89516	61.293	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.580%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	43217	5.840	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	62590	5.877	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	901	0.097	ug/L #	1
8) Chloroethane	1.584	64	901	0.156	ug/L #	54
12) 1,1-Dichloroethene	2.108	96	451	0.061	ug/L #	1
13) Acetone	2.346	43	3471	2.804	ug/L	93
14) Carbon disulfide	2.297	76	2033	0.097	ug/L #	75
15) Methyl Acetate	2.346	43	3471	0.980	ug/L #	50
17) Methyl tert-butyl Ether	2.773	73	2723	0.151	ug/L #	77
22) cis-1,2-Dichloroethene	3.915	96	42731	5.034	ug/L	97
27) 1,2-Dichloroethane	5.056	62	1127	0.134	ug/L #	69
35) Methylcyclohexane	6.072	83	13674	1.075	ug/L #	16
37) 1,2-Dichloropropane	6.069	63	6523	0.813	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1236	0.116	ug/L #	41
42) Toluene	7.400	91	10999	0.325	ug/L	96
47) Tetrachloroethene	7.982	164	1709	0.233	ug/L	94
49) Dibromochloromethane	7.976	129	1616	0.232	ug/L #	7
61) 1,2,3-Trichloropropane	11.191	75	406	0.102	ug/L #	37
64) 1,3-Dichlorobenzene	11.185	146	1631	0.107	ug/L	94
65) 1,4-Dichlorobenzene	11.278	146	1738	0.112	ug/L	84
67) 1,2-Dichlorobenzene	11.644	146	1883	0.131	ug/L #	93

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ClientSampleId :

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 19 04:07:06 2021
Response via : Initial Calibration

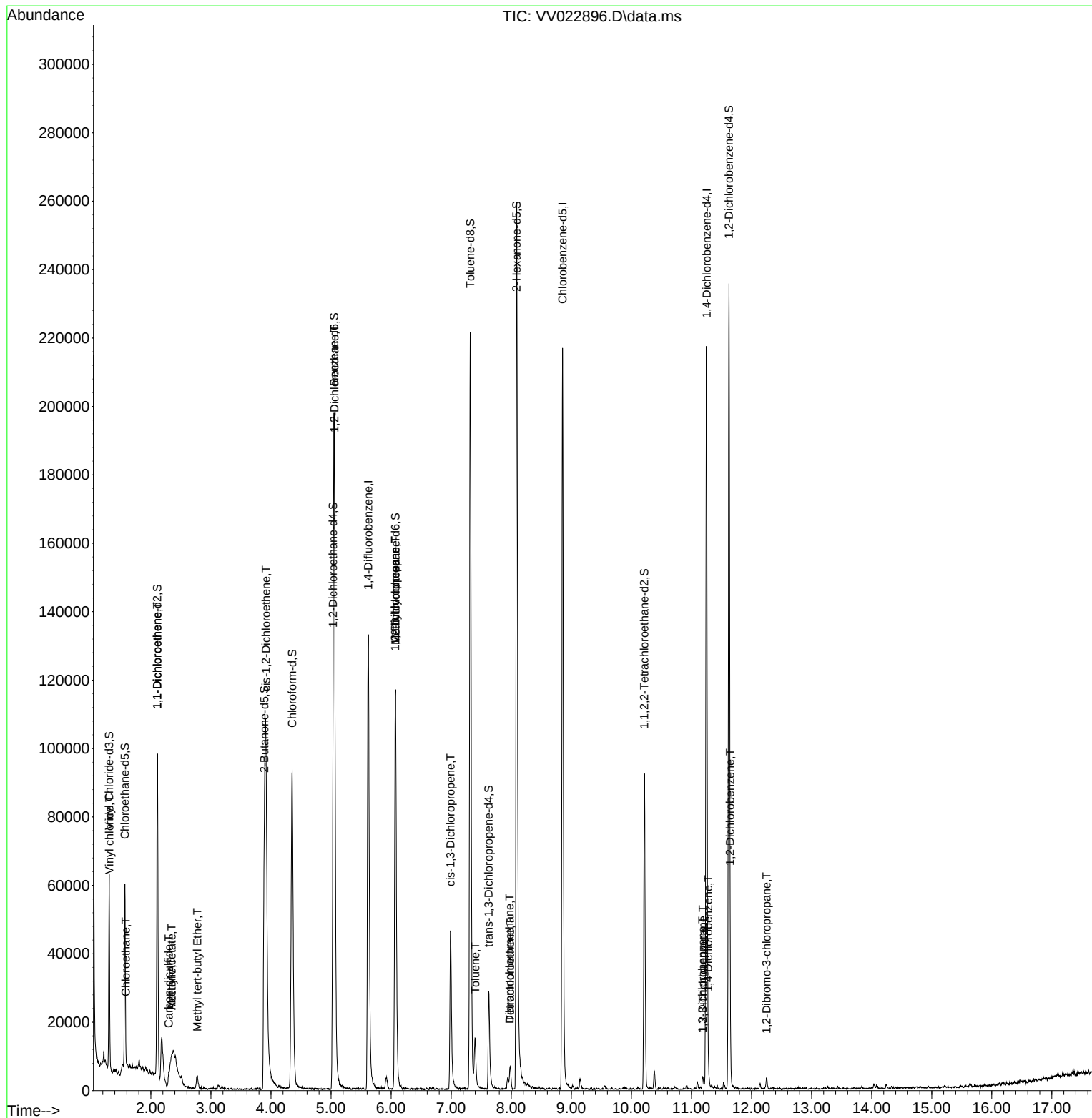
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.249	75	44	0.061	ug/L #	1

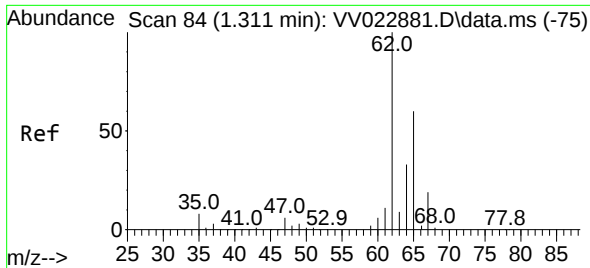
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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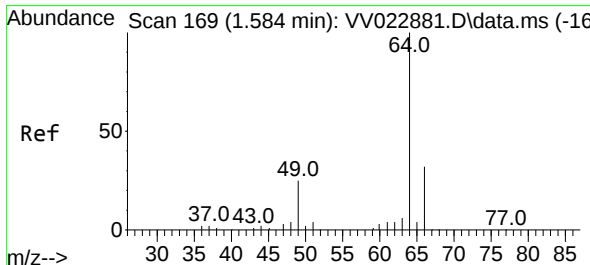
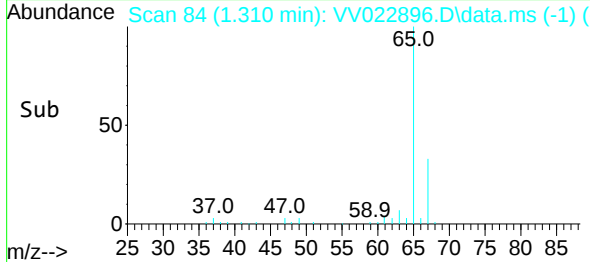
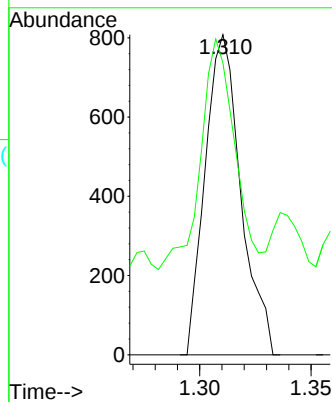
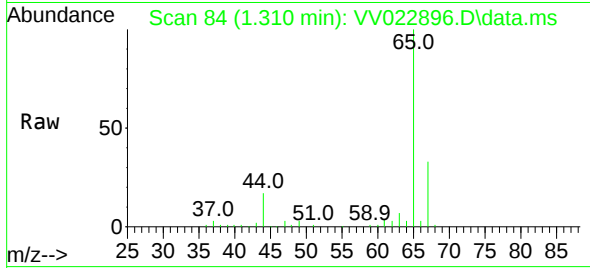




#5
 Vinyl chloride
 Concen: 0.097 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV022896.D
 Acq: 19 Oct 2021 03:29

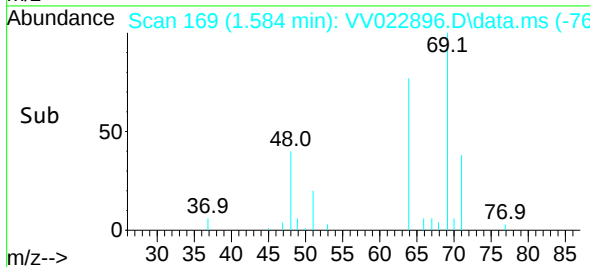
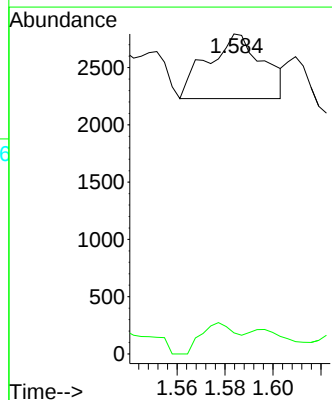
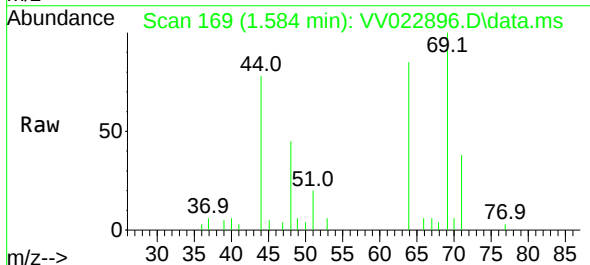
Instrument :
 MSVOA_V
 ClientSampled :

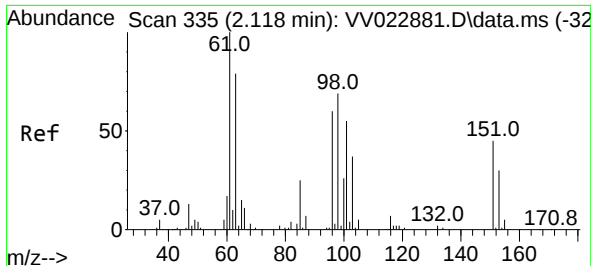
Tgt Ion: 62 Resp: 901
 Ion Ratio Lower Upper
 62 100
 64 91.2 23.0 42.8#



#8
 Chloroethane
 Concen: 0.156 ug/L
 RT: 1.584 min Scan# 169
 Delta R.T. -0.000 min
 Lab File: VV022896.D
 Acq: 19 Oct 2021 03:29

Tgt Ion: 64 Resp: 901
 Ion Ratio Lower Upper
 64 100
 66 6.6 22.9 42.5#





#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.010 min

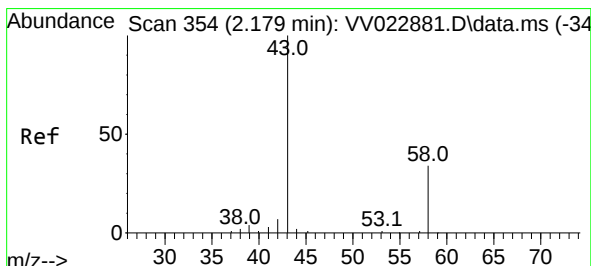
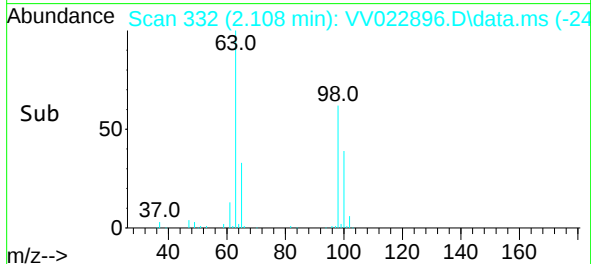
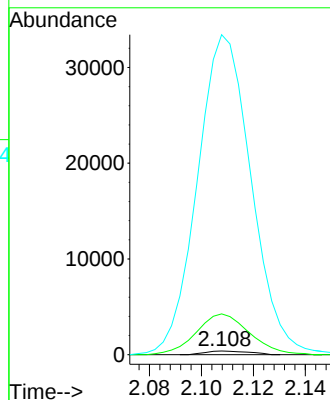
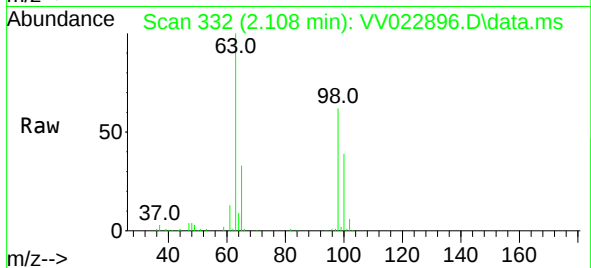
Lab File: VV022896.D

Acq: 19 Oct 2021 03:29

Tgt Ion: 96 Resp: 451

Ion	Ratio	Lower	Upper
96	100		
61	1108.3	127.3	236.5#
63	8704.2	106.2	197.2#

Instrument :
MSVOA_V
ClientSampled :



#13

Acetone

Concen: 2.804 ug/L

RT: 2.346 min Scan# 406

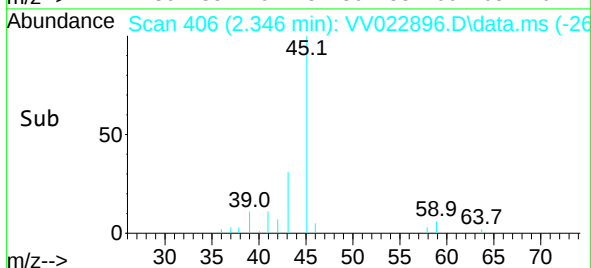
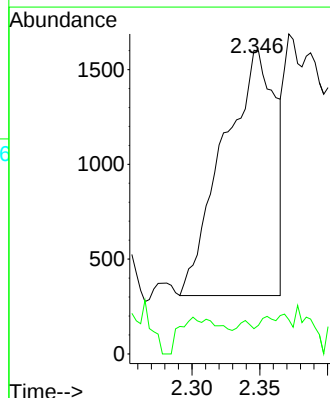
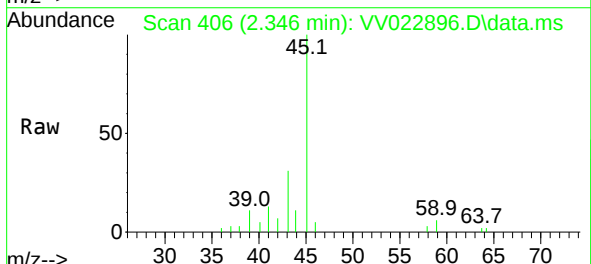
Delta R.T. 0.167 min

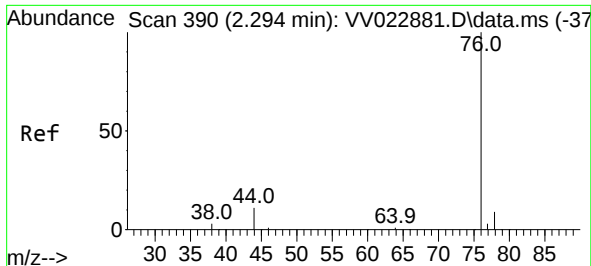
Lab File: VV022896.D

Acq: 19 Oct 2021 03:29

Tgt Ion: 43 Resp: 3471

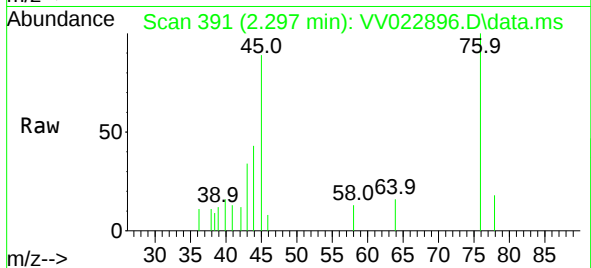
Ion	Ratio	Lower	Upper
43	100		
58	9.2	0.0	24.2



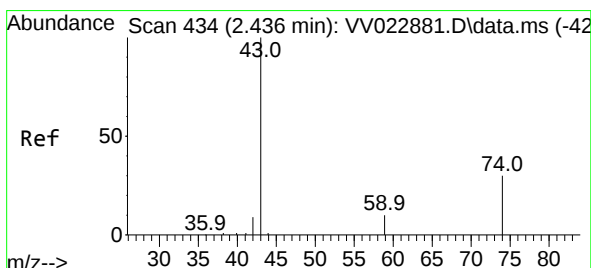
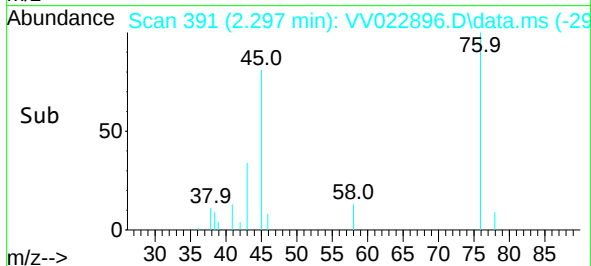
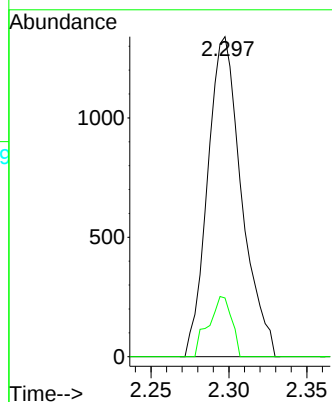


#14
Carbon disulfide
Concen: 0.097 ug/L
RT: 2.297 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

Instrument :
MSVOA_V
ClientSampled :

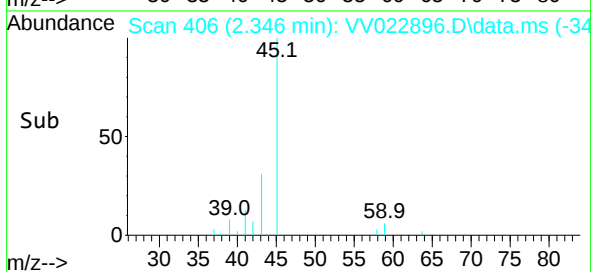
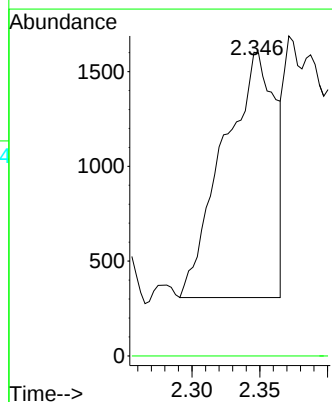
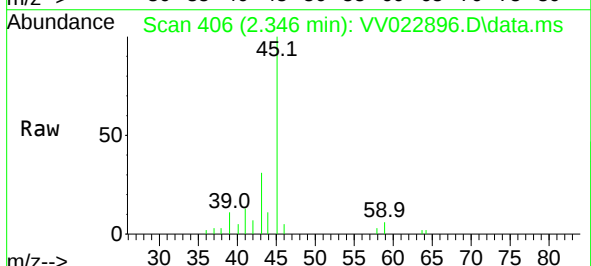


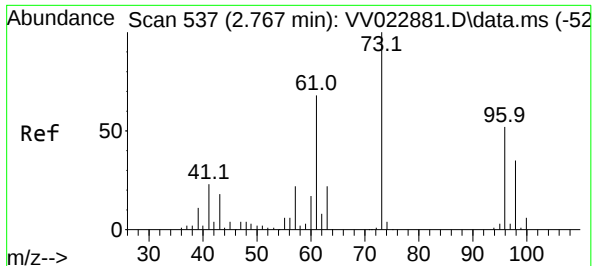
Tgt Ion: 76 Resp: 2033
Ion Ratio Lower Upper
76 100
78 18.4 7.4 11.0#



#15
Methyl Acetate
Concen: 0.980 ug/L
RT: 2.346 min Scan# 406
Delta R.T. -0.090 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

Tgt Ion: 43 Resp: 3471
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#



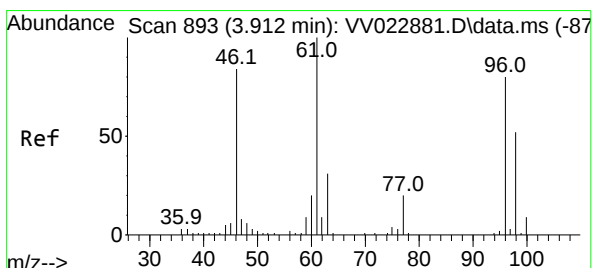
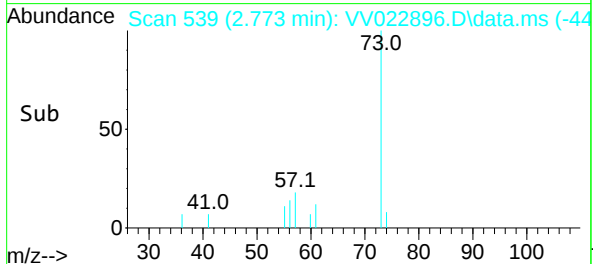
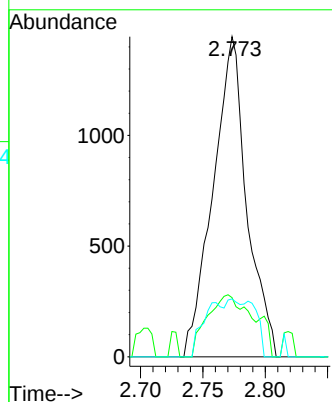
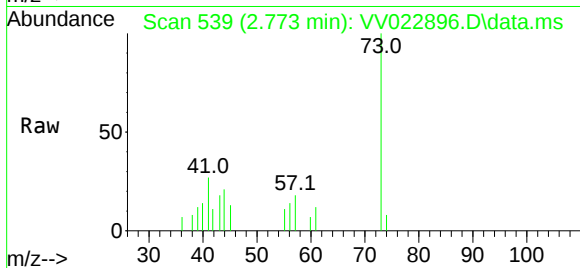


#17

Methyl tert-butyl Ether
Concen: 0.151 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.006 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

Instrument :
MSVOA_V
ClientSampled :

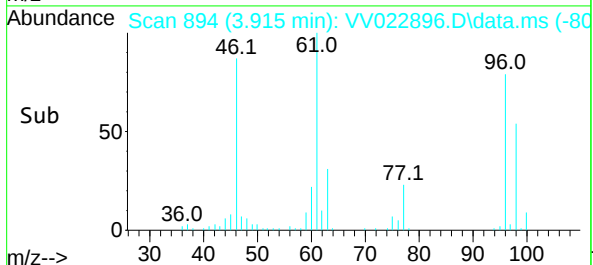
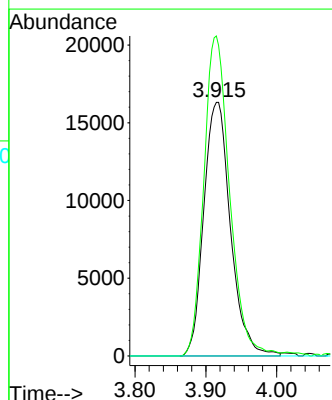
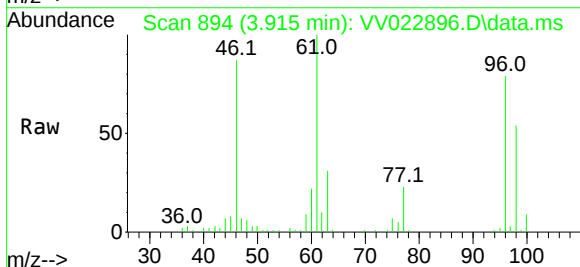
Tgt Ion: 73 Resp: 2723
Ion Ratio Lower Upper
73 100
43 23.3 17.1 25.7
57 1.7 17.2 25.8#

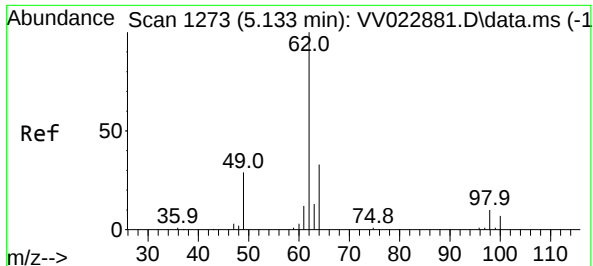


#22

cis-1,2-Dichloroethene
Concen: 5.034 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.003 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

Tgt Ion: 96 Resp: 42731
Ion Ratio Lower Upper
96 100
61 126.2 86.0 159.6
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.134 ug/L

RT: 5.056 min Scan# 1249

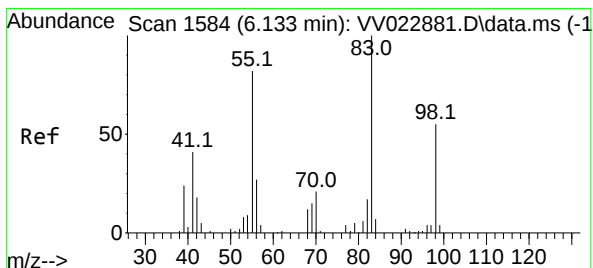
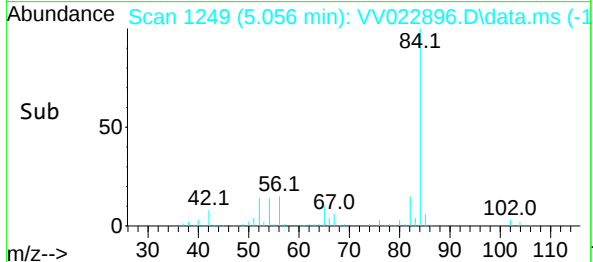
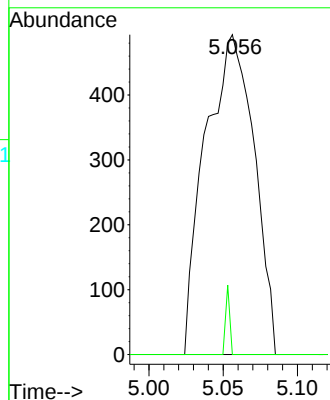
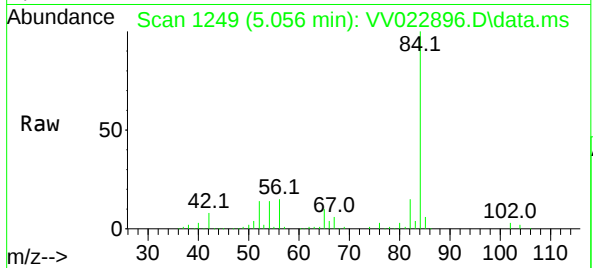
Delta R.T. -0.077 min

Lab File: VV022896.D

Acq: 19 Oct 2021 03:29

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 62 Resp: 1127
Ion Ratio Lower Upper
62 100
98 0.0 9.7 14.5#



#35

Methylcyclohexane

Concen: 1.075 ug/L

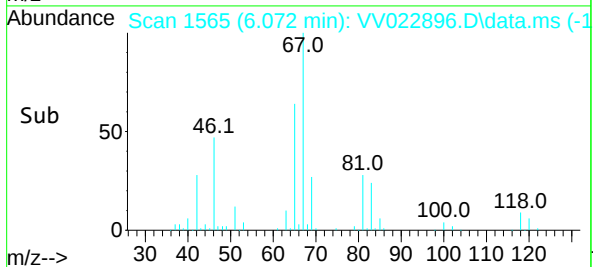
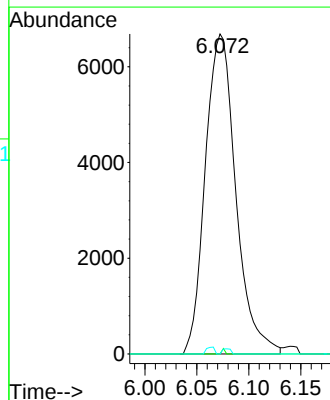
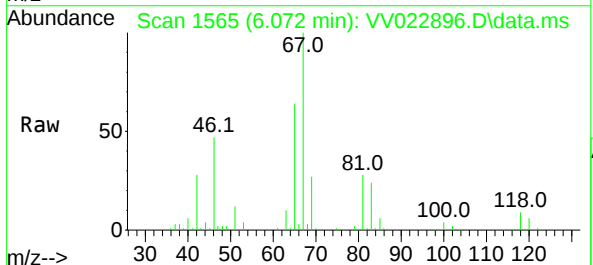
RT: 6.072 min Scan# 1565

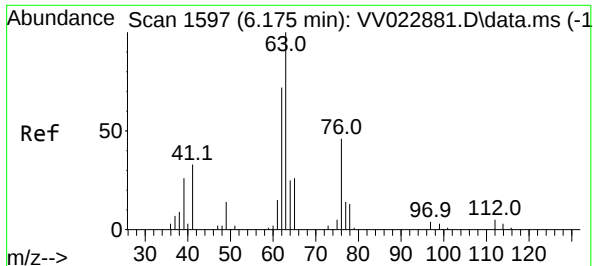
Delta R.T. -0.061 min

Lab File: VV022896.D

Acq: 19 Oct 2021 03:29

Tgt Ion: 83 Resp: 13674
Ion Ratio Lower Upper
83 100
55 0.2 63.8 95.6#
98 0.4 42.1 63.1#

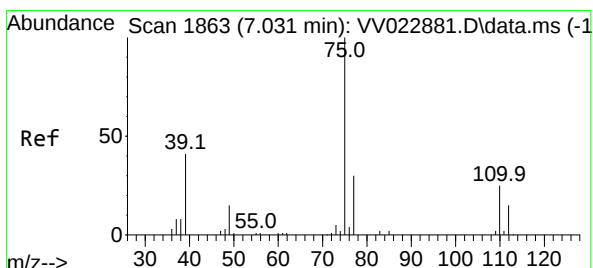
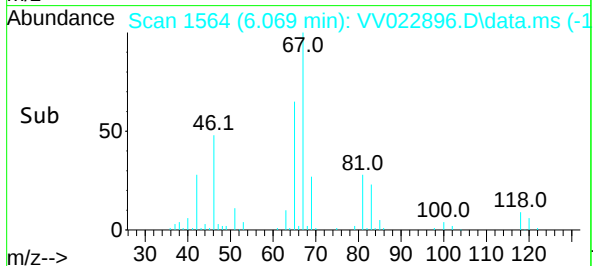
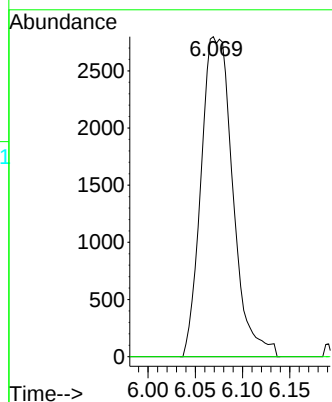
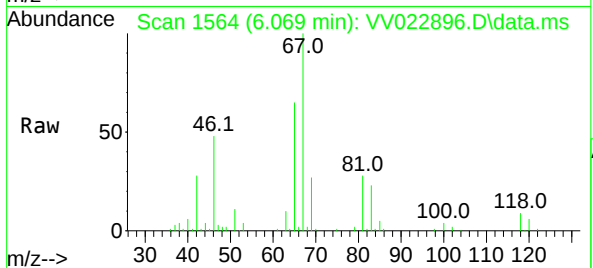




#37
1,2-Dichloropropane
Concen: 0.813 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.106 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

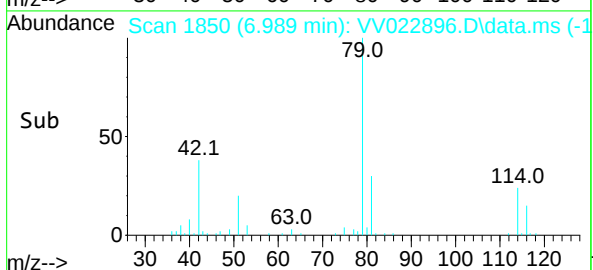
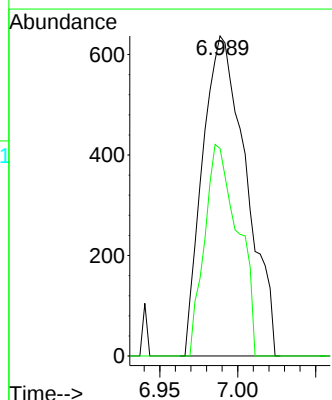
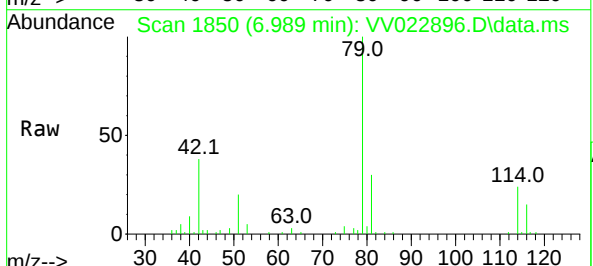
Instrument :
MSVOA_V
ClientSampleId :

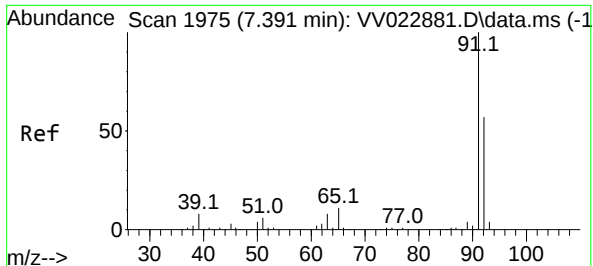
Tgt Ion: 63 Resp: 6523
Ion Ratio Lower Upper
63 100
112 0.3 4.4 6.6#



#39
cis-1,3-Dichloropropene
Concen: 0.116 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

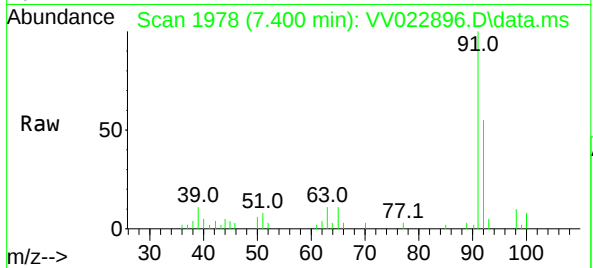
Tgt Ion: 75 Resp: 1236
Ion Ratio Lower Upper
75 100
77 64.8 22.3 41.3#



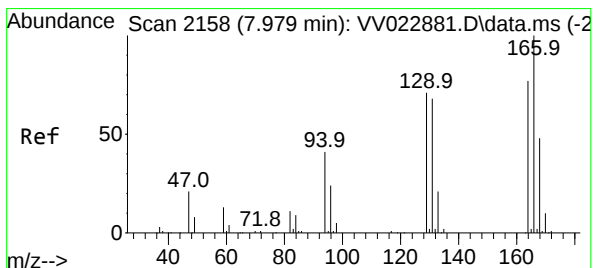
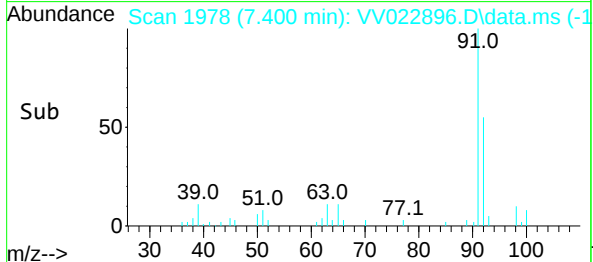
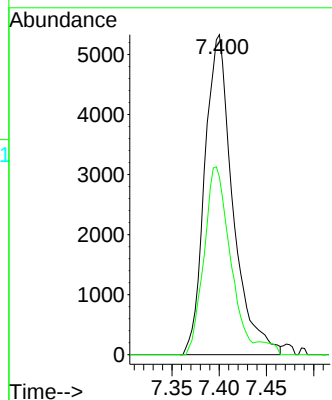


#42
Toluene
Concen: 0.325 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.010 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

Instrument :
MSVOA_V
ClientSampled :

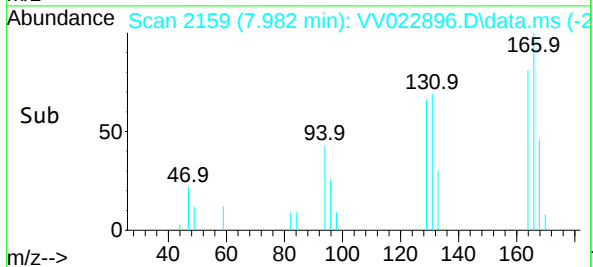
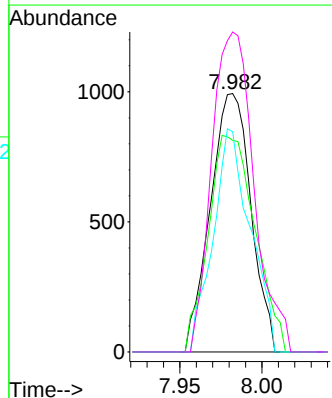
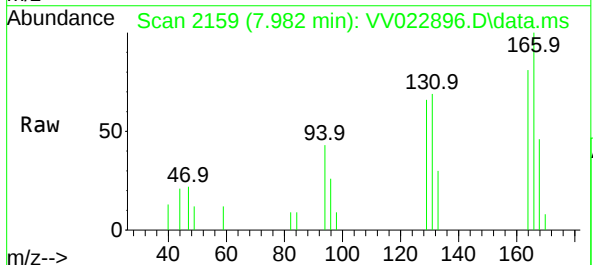


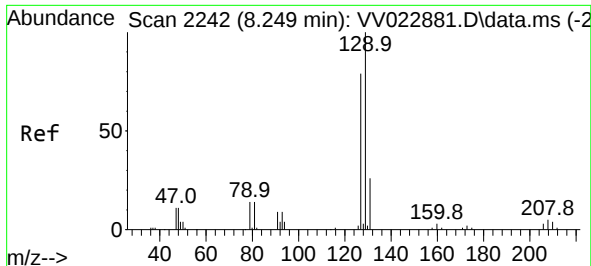
Tgt Ion: 91 Resp: 10999
Ion Ratio Lower Upper
91 100
92 55.5 40.7 75.7



#47
Tetrachloroethene
Concen: 0.233 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.003 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

Tgt Ion: 164 Resp: 1709
Ion Ratio Lower Upper
164 100
129 81.9 65.0 120.6
131 85.2 62.2 115.4
166 123.9 89.2 165.8





#49

Dibromochloromethane

Concen: 0.232 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV022896.D

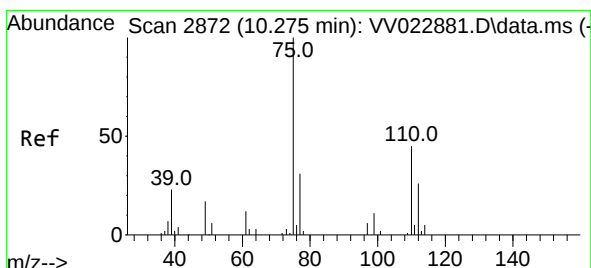
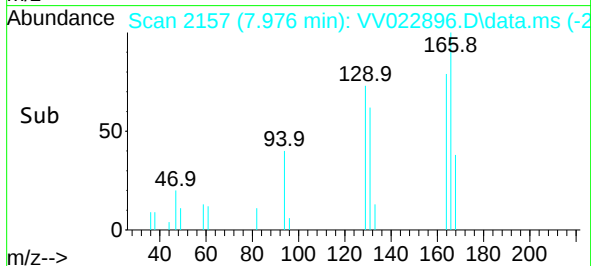
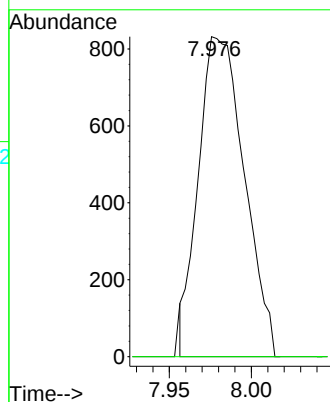
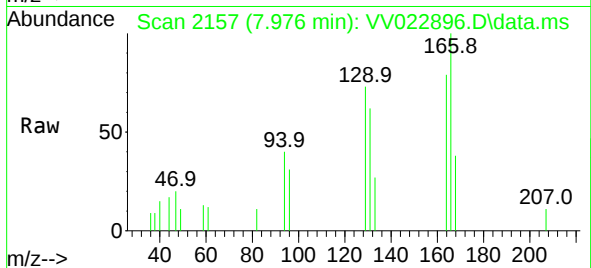
Acq: 19 Oct 2021 03:29

Tgt Ion: 129 Resp: 1616

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#



#61

1,2,3-Trichloropropane

Concen: 0.102 ug/L

RT: 11.191 min Scan# 3157

Delta R.T. 0.916 min

Lab File: VV022896.D

Acq: 19 Oct 2021 03:29

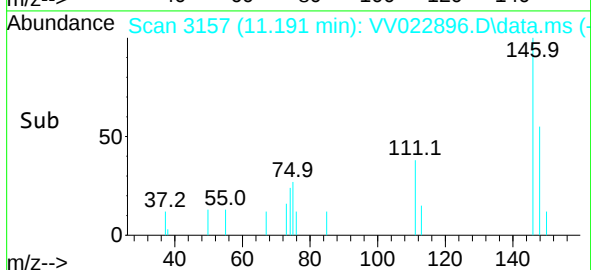
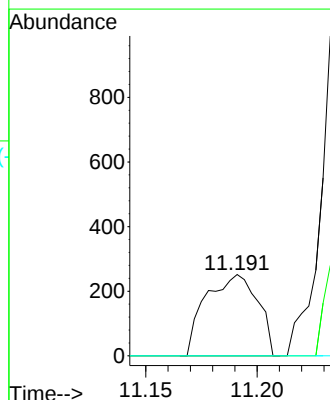
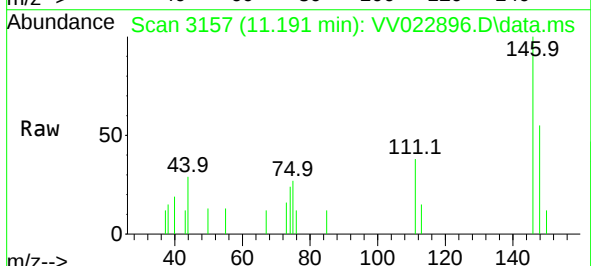
Tgt Ion: 75 Resp: 406

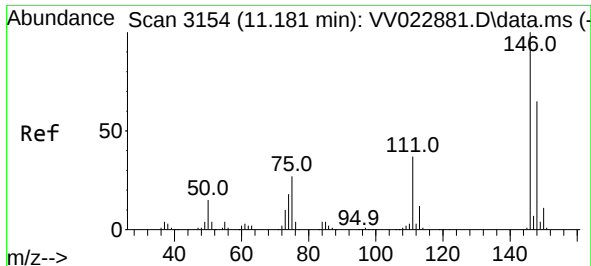
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

110 0.0 34.2 51.4#

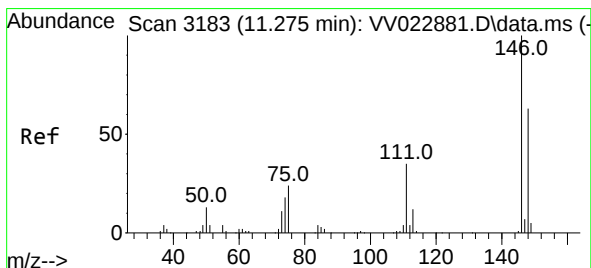
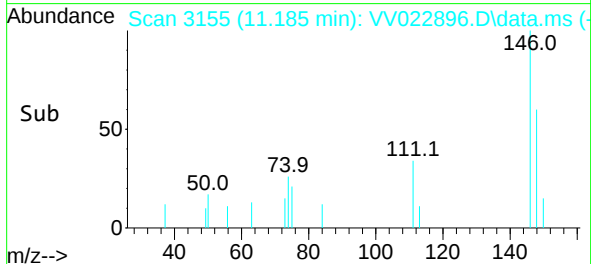
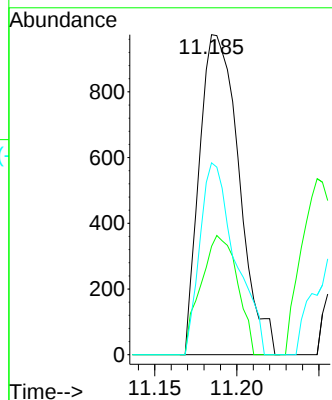
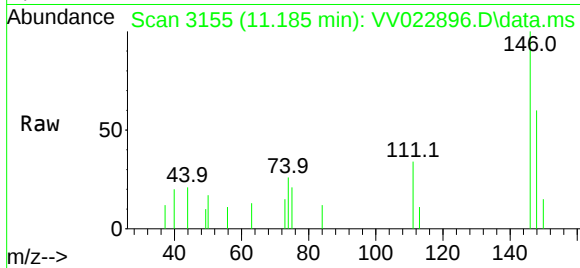




#64
1,3-Dichlorobenzene
Concen: 0.107 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.003 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

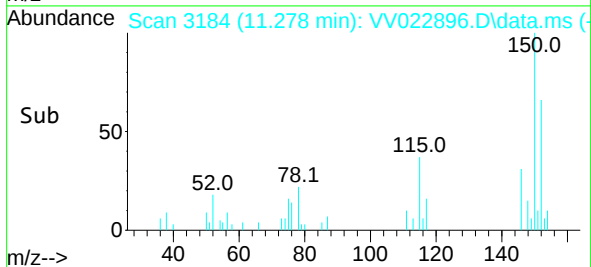
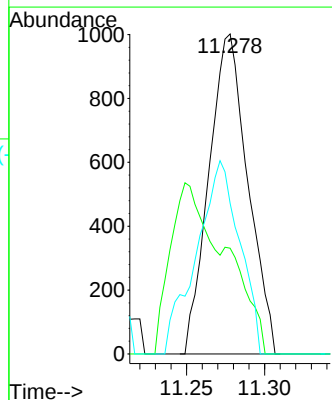
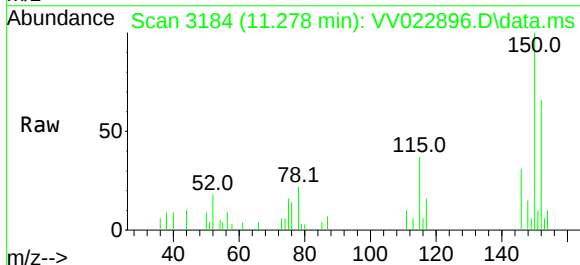
Instrument :
MSVOA_V
ClientSampled :

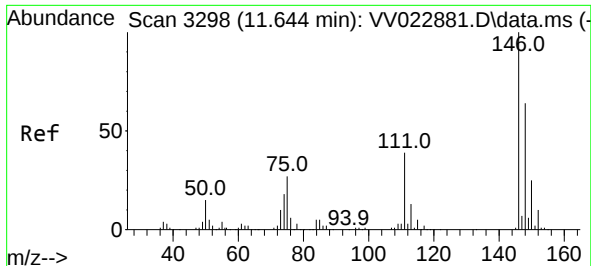
Tgt Ion:146 Resp: 1631
Ion Ratio Lower Upper
146 100
111 33.9 26.7 49.5
148 60.0 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 0.112 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

Tgt Ion:146 Resp: 1738
Ion Ratio Lower Upper
146 100
111 33.0 25.6 47.4
148 47.1 44.9 83.5

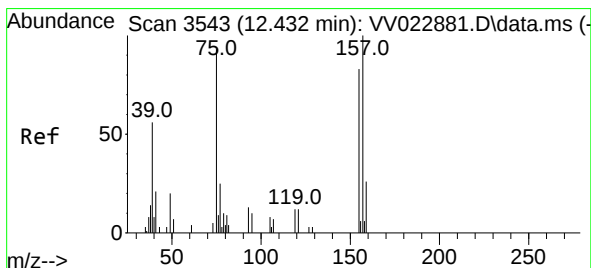
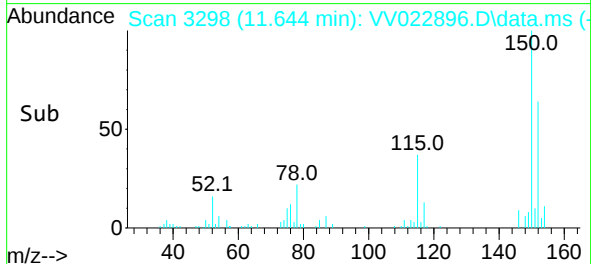
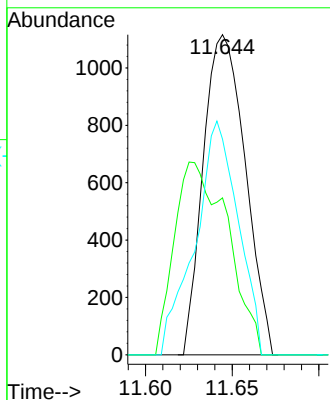
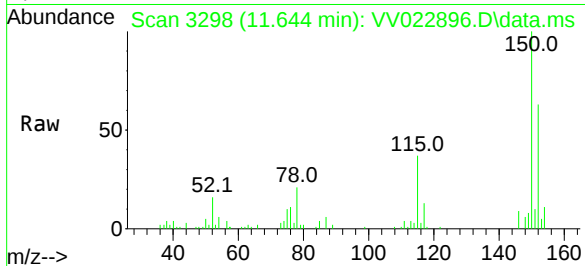




#67
1,2-Dichlorobenzene
Concen: 0.131 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion:146 Resp: 1883
Ion Ratio Lower Upper
146 100
111 49.0 32.3 48.5#
148 67.4 52.1 78.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.061 ug/L
RT: 12.249 min Scan# 3486
Delta R.T. -0.183 min
Lab File: VV022896.D
Acq: 19 Oct 2021 03:29

Tgt Ion: 75 Resp: 44
Ion Ratio Lower Upper
75 100
155 0.0 82.4 123.6#
157 0.0 114.1 171.1#

