

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VW022885.D
 Acq On : 18 Oct 2021 23:06
 Operator : SY/MD
 Sample : M4200-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 04:08:06 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	117772	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	121443	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	56303	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	34505	4.258	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.568	69	32262	4.431	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.108	63	51402	3.234	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.600%
20) 2-Butanone-d5	3.889	46	111401	52.434	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.860%
24) Chloroform-d	4.352	84	92507	5.540	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.800%
26) 1,2-Dichloroethane-d4	5.034	65	43540	5.372	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.400%
32) Benzene-d6	5.053	84	175105	4.844	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.072	67	57778	5.397	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.000%
41) Toluene-d8	7.317	98	150478	4.815	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
43) trans-1,3-Dichloroprop...	7.625	79	16993	4.785	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.088	63	93644	65.426	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.860%#
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42436	5.851	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	61420	5.884	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	554	0.064	ug/L	88
12) 1,1-Dichloroethene	2.105	96	518	0.073	ug/L #	1
17) Methyl tert-butyl Ether	2.773	73	3780	0.220	ug/L #	88
18) trans-1,2-Dichloroethene	2.767	96	570	0.074	ug/L	89
22) cis-1,2-Dichloroethene	3.915	96	17698	2.179	ug/L	90
25) Chloroform	4.381	83	8780	0.544	ug/L	95
34) Trichloroethene	5.915	95	51442	5.784	ug/L	98
35) Methylcyclohexane	6.072	83	13881	1.114	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	6449	0.820	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1183	0.114	ug/L #	55
42) Toluene	7.397	91	6790	0.204	ug/L	86
45) 1,1,2-Trichloroethane	7.976	97	2575	0.441	ug/L #	1
47) Tetrachloroethene	7.976	164	337445	46.911	ug/L	99
49) Dibromochloromethane	7.976	129	293164	42.902	ug/L #	7
53) m,p-xylene	9.153	106	1219	0.092	ug/L	84
61) 1,2,3-Trichloropropane	11.185	75	535	0.137	ug/L #	37
64) 1,3-Dichlorobenzene	11.188	146	2321	0.155	ug/L	94
67) 1,2-Dichlorobenzene	11.641	146	961	0.068	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	12.255	75	89	0.125	ug/L #	1

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ClientSampleId :

Quant Time: Oct 19 04:08:06 2021
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 19 04:07:06 2021
Response via : Initial Calibration

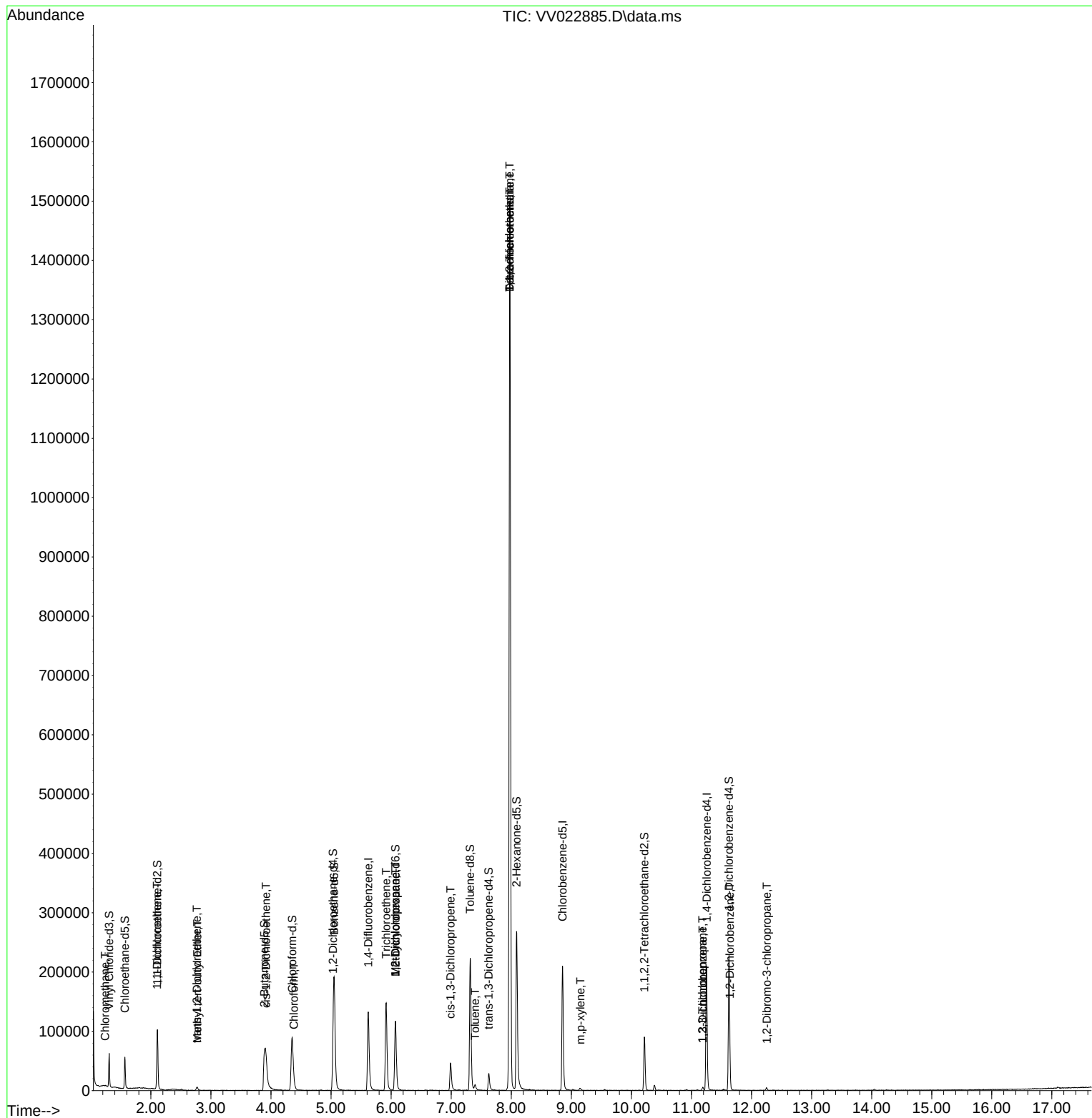
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

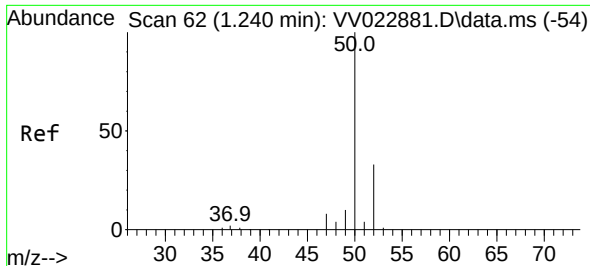
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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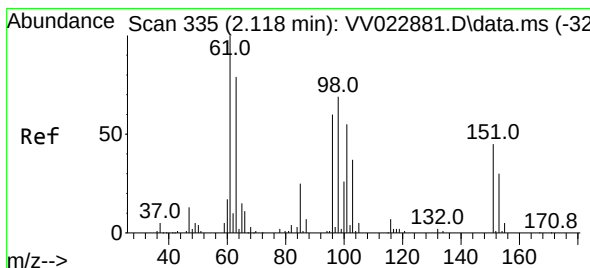
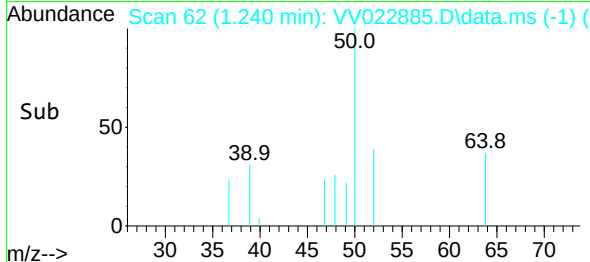
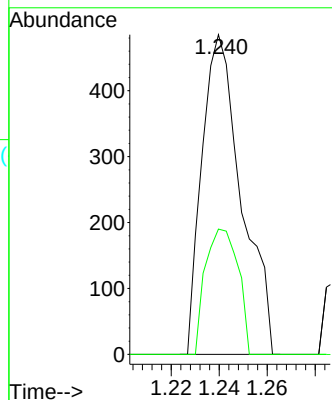
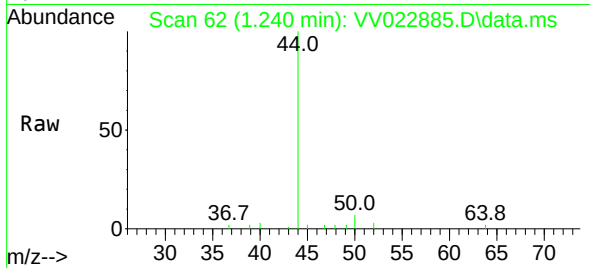




#3
Chloromethane
Concen: 0.064 ug/L
RT: 1.240 min Scan# 62
Delta R.T. -0.000 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

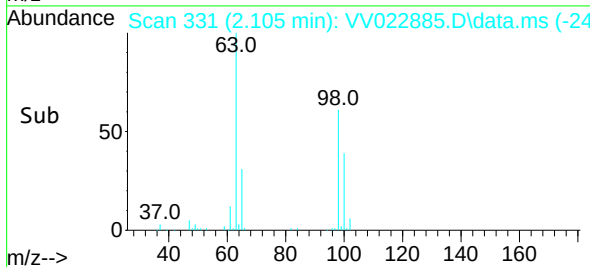
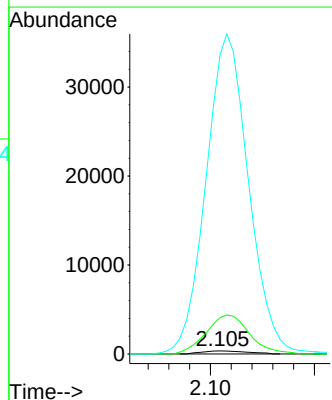
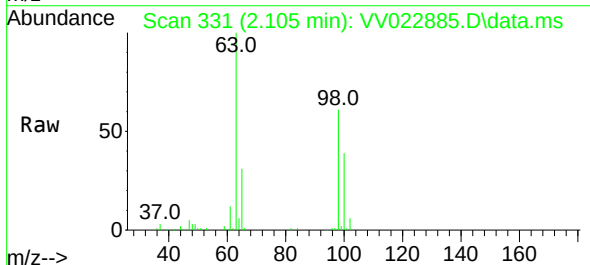
Instrument :
MSVOA_V
ClientSampled :

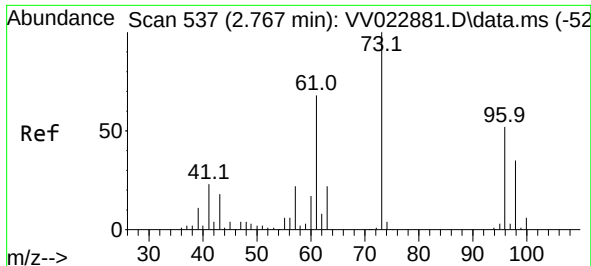
Tgt Ion: 50 Resp: 554
Ion Ratio Lower Upper
50 100
52 39.2 22.9 42.5



#12
1,1-Dichloroethene
Concen: 0.073 ug/L
RT: 2.105 min Scan# 331
Delta R.T. -0.013 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

Tgt Ion: 96 Resp: 518
Ion Ratio Lower Upper
96 100
61 1190.4 127.3 236.5#
63 9793.6 106.2 197.2#



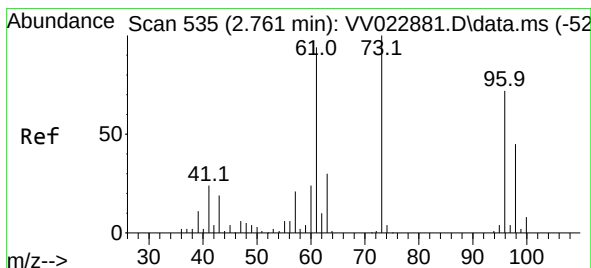
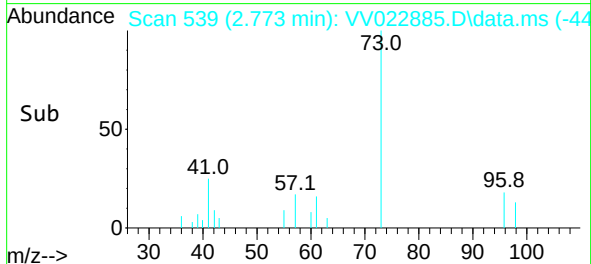
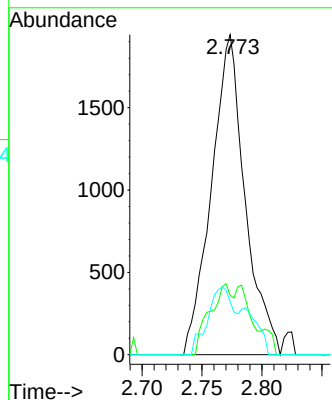
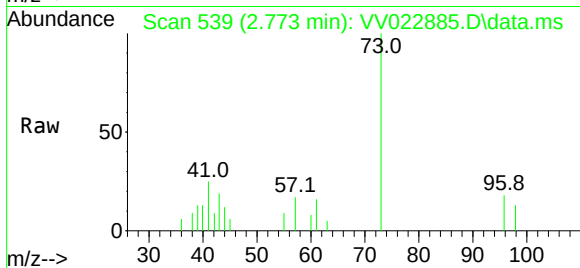


#17

Methyl tert-butyl Ether
Concen: 0.220 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.006 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

Instrument :
MSVOA_V
ClientSampled :

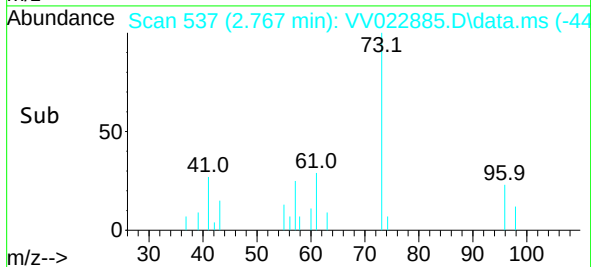
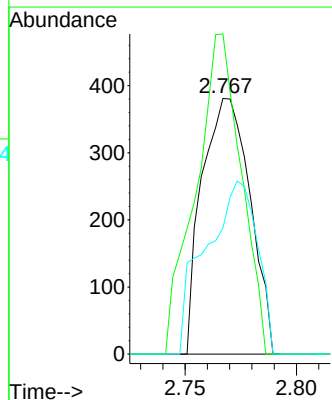
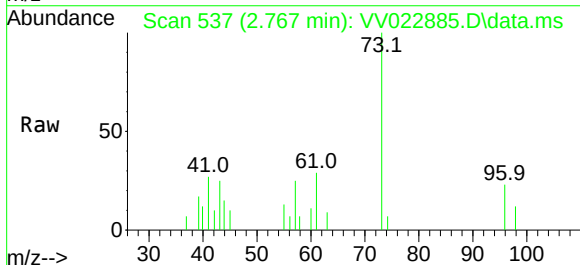
Tgt Ion: 73 Resp: 3780
Ion Ratio Lower Upper
73 100
43 15.4 17.1 25.7#
57 16.5 17.2 25.8#

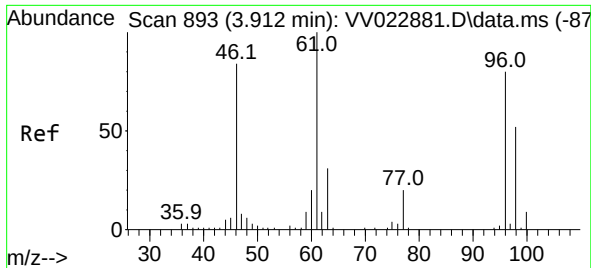


#18

trans-1,2-Dichloroethene
Concen: 0.074 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

Tgt Ion: 96 Resp: 570
Ion Ratio Lower Upper
96 100
61 125.2 94.5 175.5
98 49.3 44.2 82.0

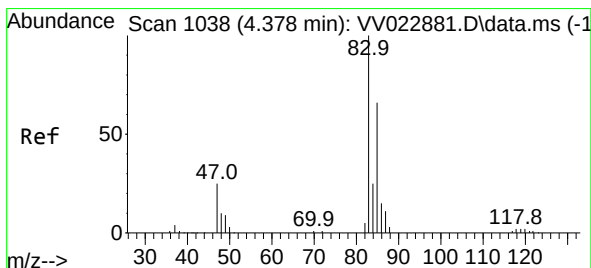
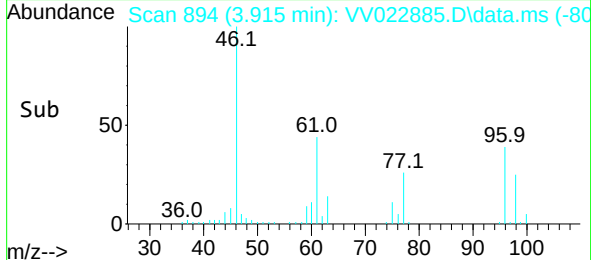
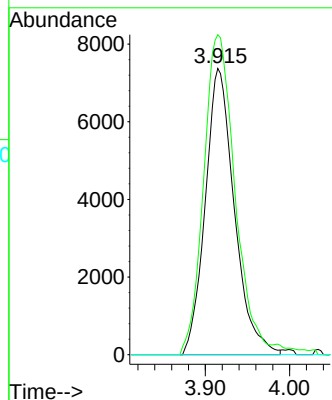
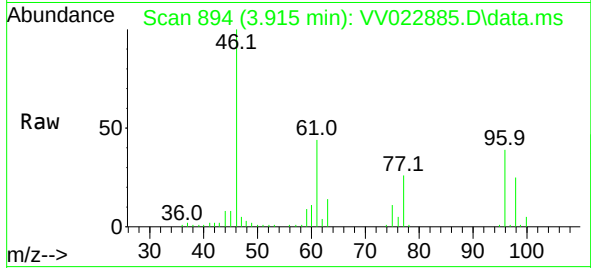




#22
cis-1,2-Dichloroethene
Concen: 2.179 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.003 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

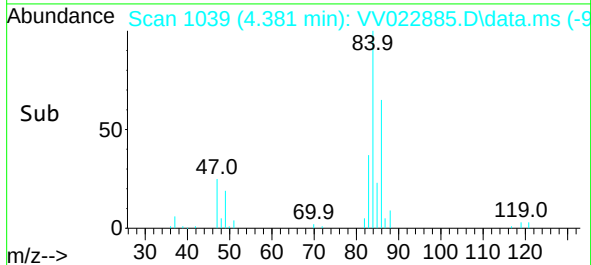
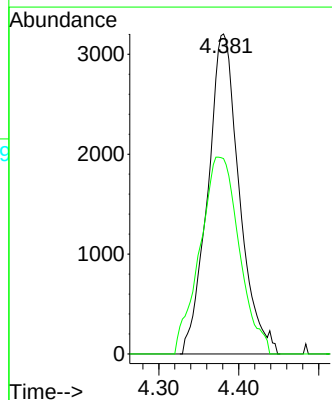
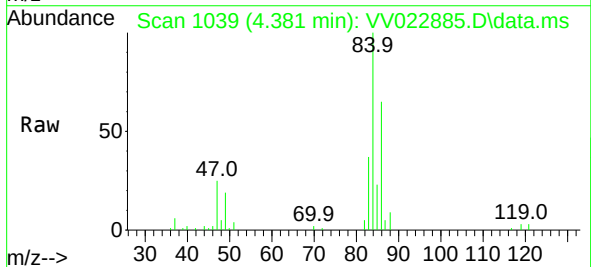
Instrument :
MSVOA_V
ClientSampled :

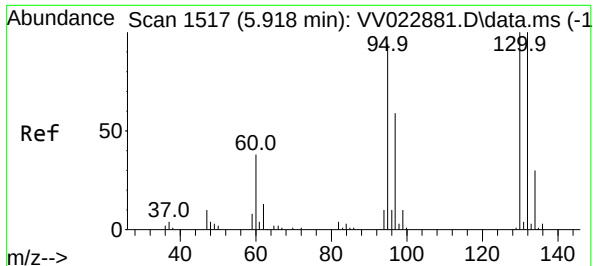
Tgt Ion: 96 Resp: 17698
Ion Ratio Lower Upper
96 100
61 111.8 86.0 159.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.544 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.003 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

Tgt Ion: 83 Resp: 8780
Ion Ratio Lower Upper
83 100
85 61.0 45.7 84.9

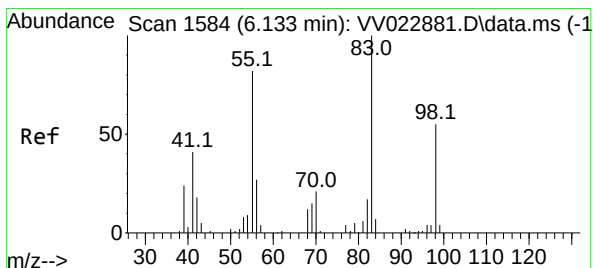
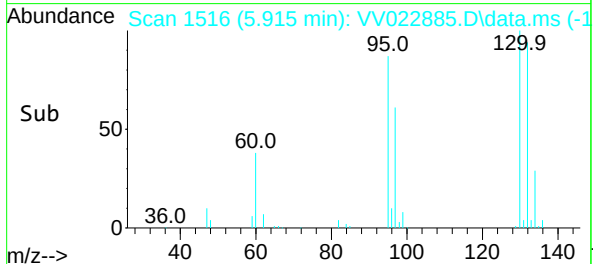
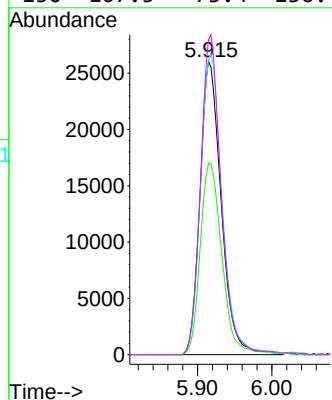
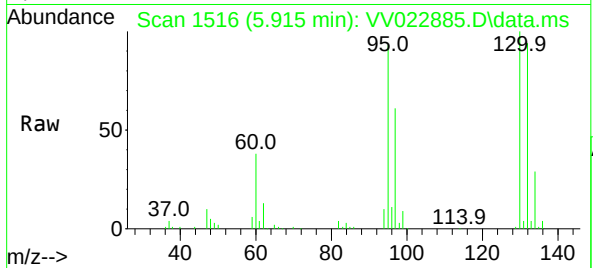




#34
Trichloroethene
Concen: 5.784 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.003 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

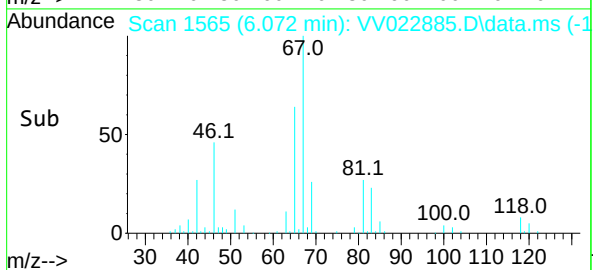
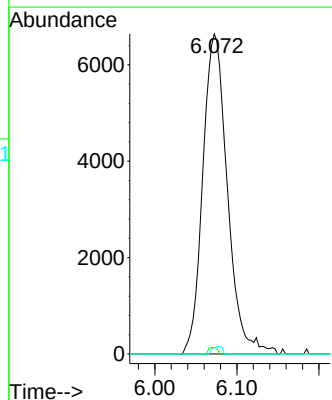
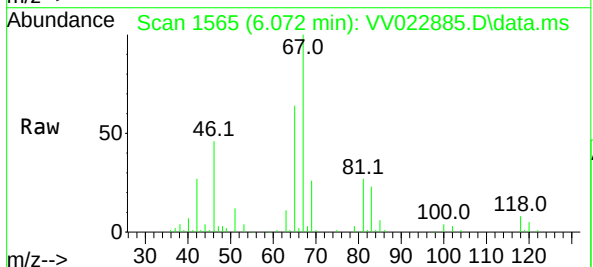
Instrument :
MSVOA_V
ClientSampled :

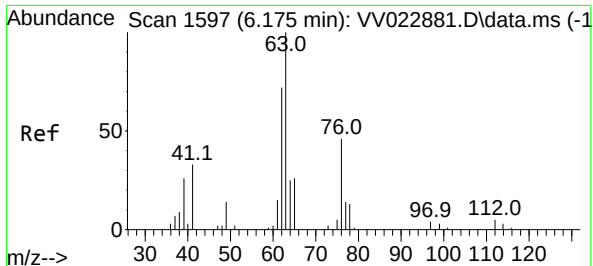
Tgt Ion: 95 Resp: 51442
Ion Ratio Lower Upper
95 100
97 65.2 45.8 85.2
132 100.7 72.2 134.0
130 107.5 73.4 136.4



#35
Methylcyclohexane
Concen: 1.114 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

Tgt Ion: 83 Resp: 13881
Ion Ratio Lower Upper
83 100
55 0.7 63.8 95.6#
98 0.9 42.1 63.1#

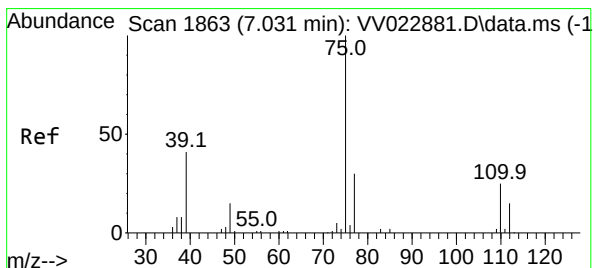
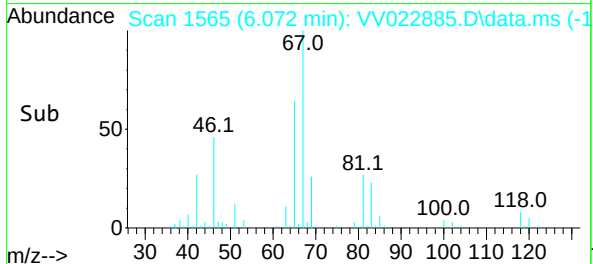
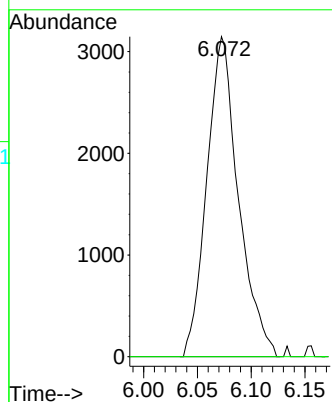
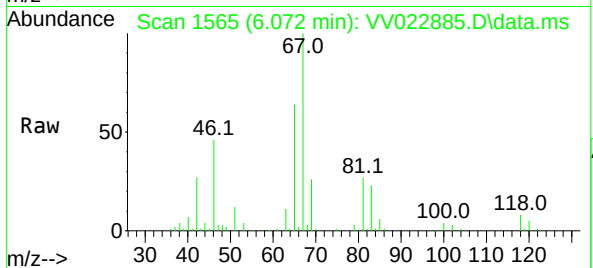




#37
1,2-Dichloropropane
Concen: 0.820 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.103 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

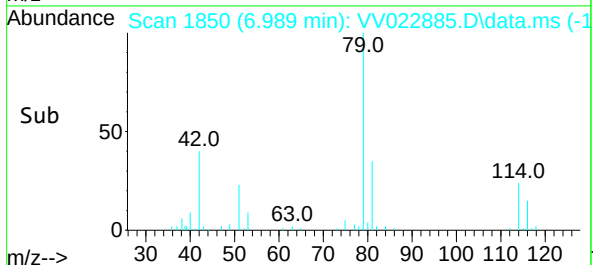
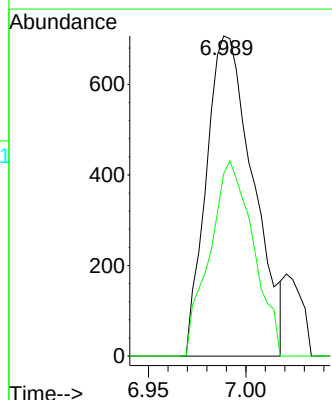
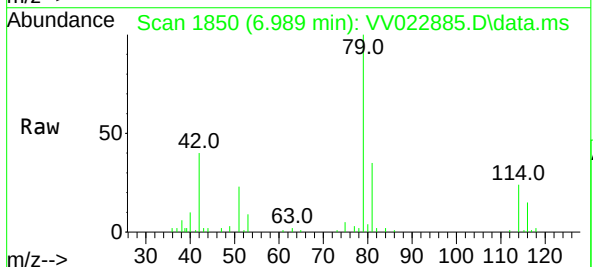
Instrument :
MSVOA_V
ClientSampled :

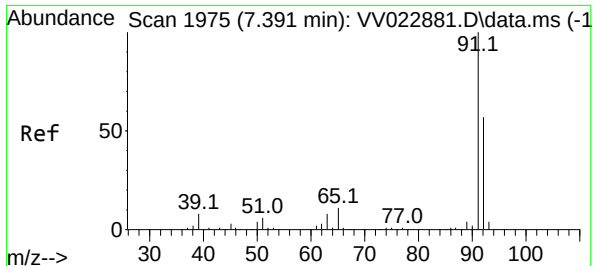
Tgt Ion: 63 Resp: 6449
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



#39
cis-1,3-Dichloropropene
Concen: 0.114 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

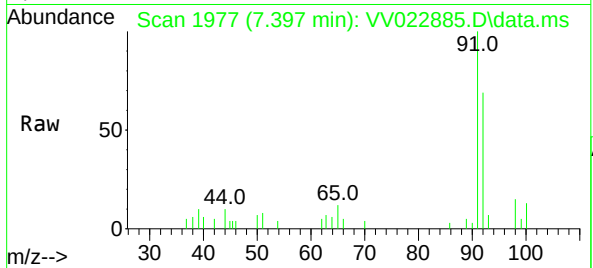
Tgt Ion: 75 Resp: 1183
Ion Ratio Lower Upper
75 100
77 57.0 22.3 41.3#



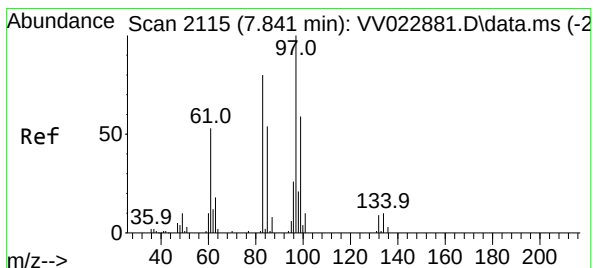
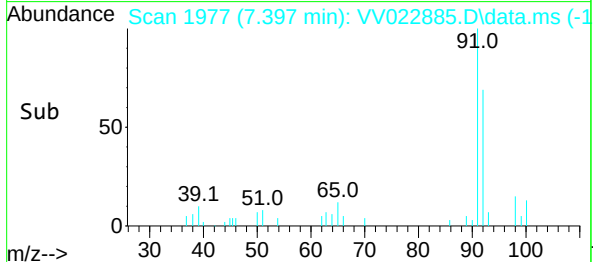
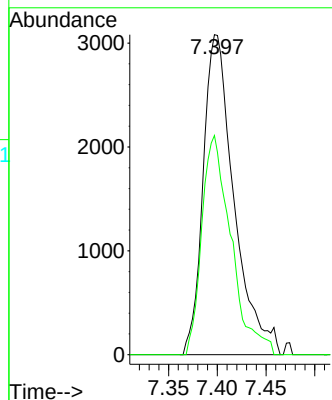


#42
Toluene
Concen: 0.204 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

Instrument :
MSVOA_V
ClientSampled :

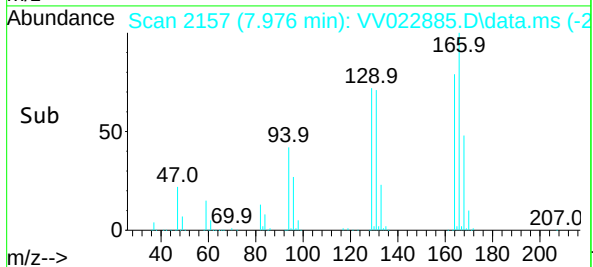
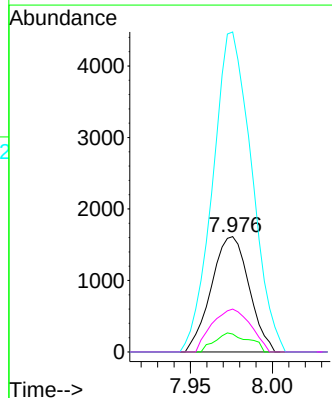
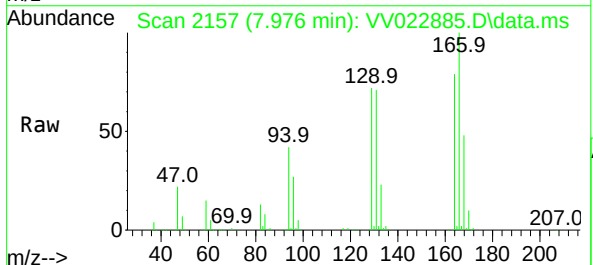


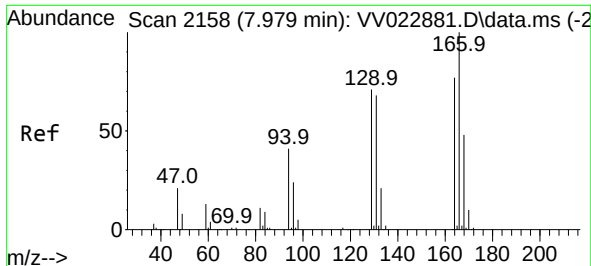
Tgt Ion: 91 Resp: 6790
Ion Ratio Lower Upper
91 100
92 68.5 40.7 75.7



#45
1,1,2-Trichloroethane
Concen: 0.441 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.135 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

Tgt Ion: 97 Resp: 2575
Ion Ratio Lower Upper
97 100
99 15.6 44.5 82.7#
83 277.5 56.6 105.0#
85 37.3 37.2 69.0





#47

Tetrachloroethene

Concen: 46.911 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.003 min

Lab File: VV022885.D

Acq: 18 Oct 2021 23:06

Tgt Ion:164 Resp: 337445

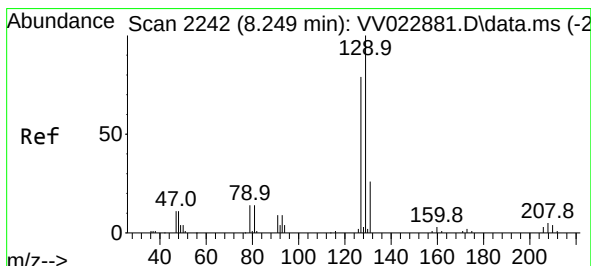
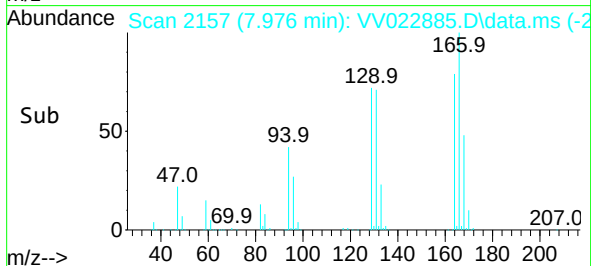
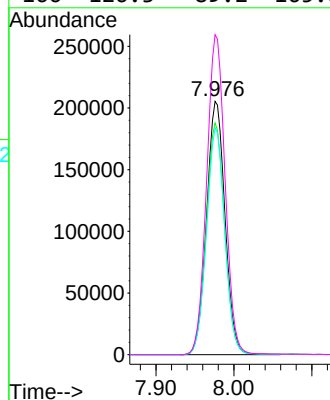
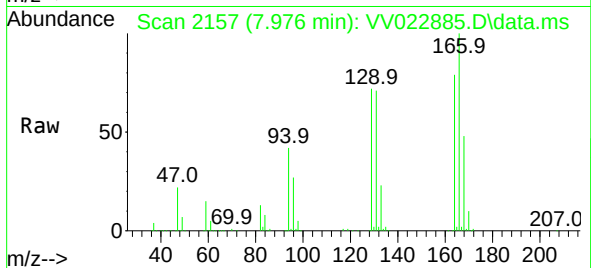
Ion Ratio Lower Upper

164 100

129 91.5 65.0 120.6

131 89.5 62.2 115.4

166 126.3 89.2 165.8



#49

Dibromochloromethane

Concen: 42.902 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV022885.D

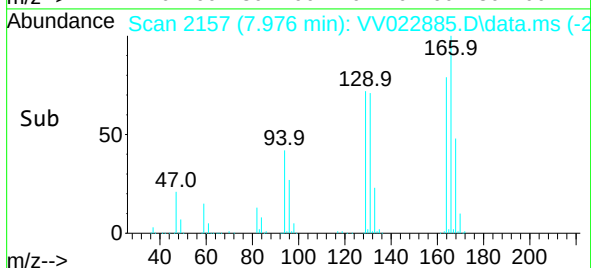
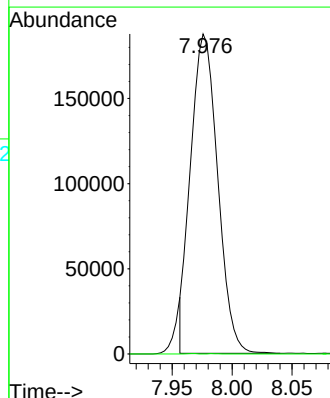
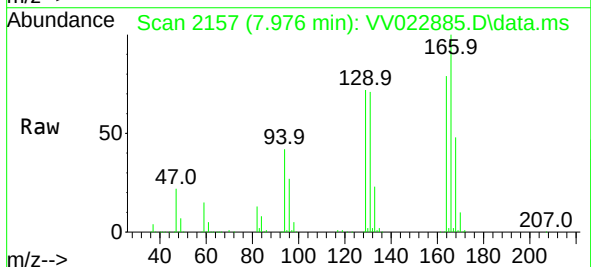
Acq: 18 Oct 2021 23:06

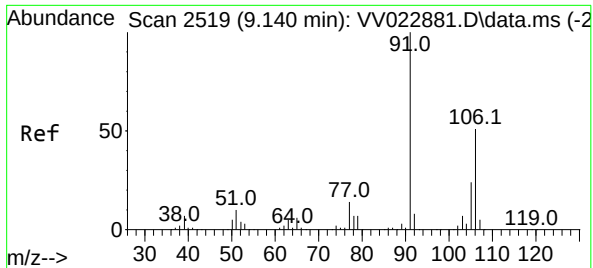
Tgt Ion:129 Resp: 293164

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#

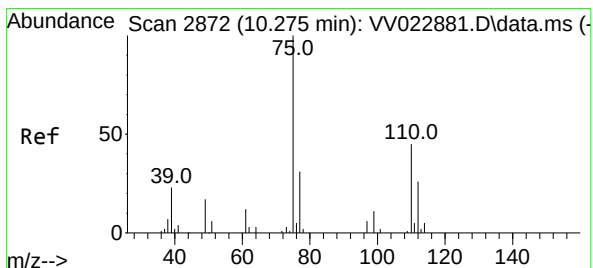
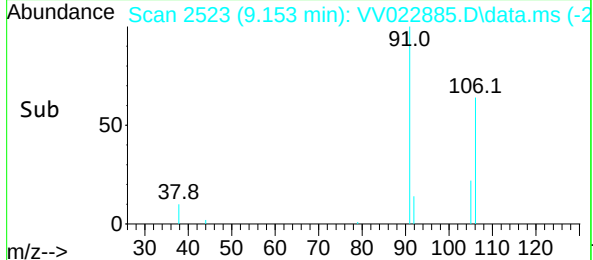
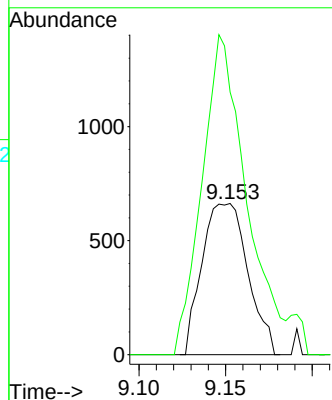
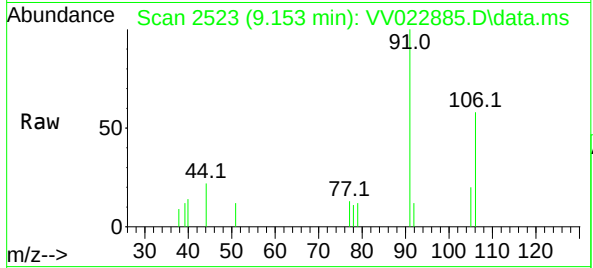




#53
m,p-xylene
Concen: 0.092 ug/L
RT: 9.153 min Scan# 2523
Delta R.T. 0.013 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

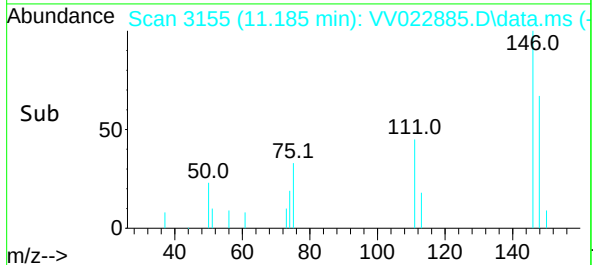
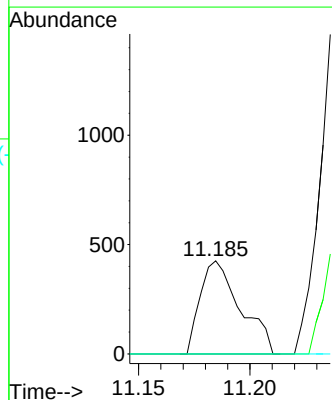
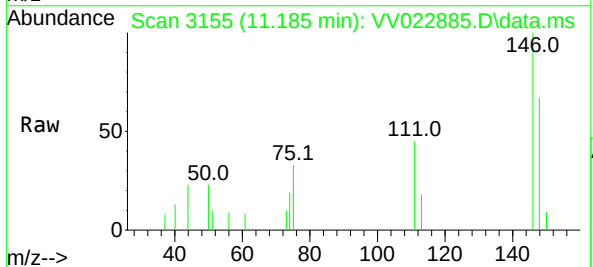
Instrument :
MSVOA_V
ClientSampled :

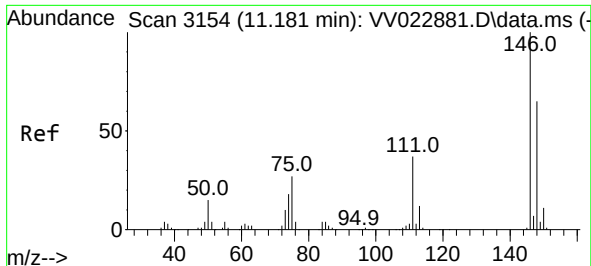
Tgt Ion:106 Resp: 1219
Ion Ratio Lower Upper
106 100
91 173.6 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 0.137 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.910 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

Tgt Ion: 75 Resp: 535
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
110 0.0 34.2 51.4#

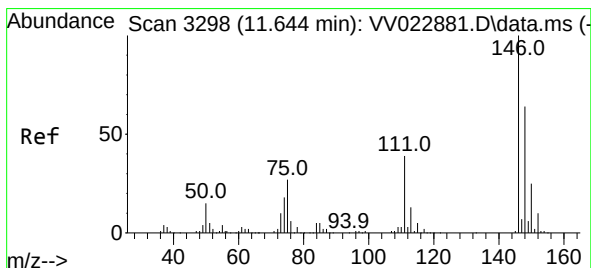
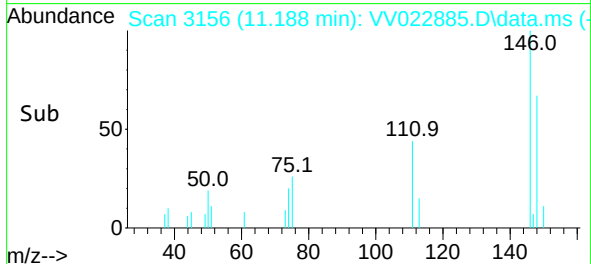
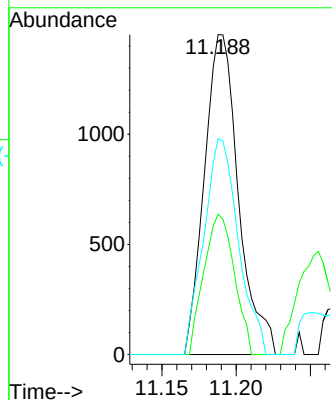
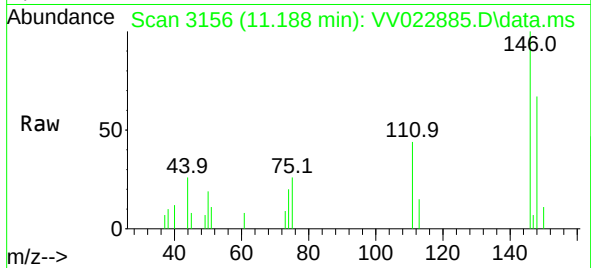




#64
1,3-Dichlorobenzene
Concen: 0.155 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

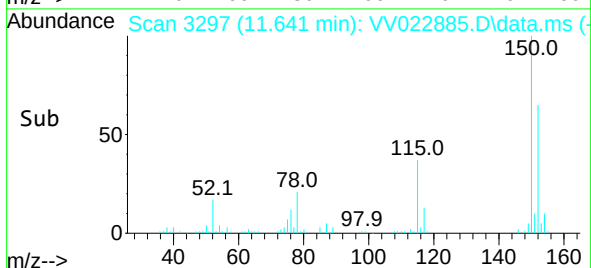
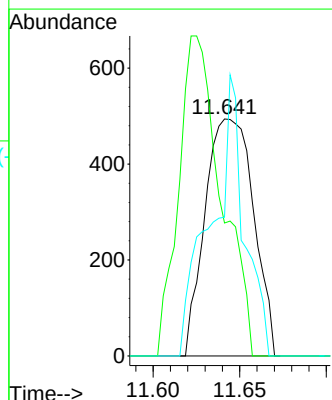
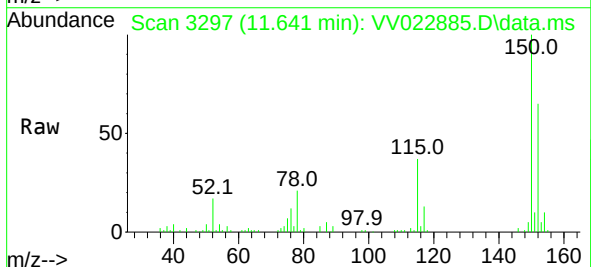
Instrument :
MSVOA_V
ClientSampled :

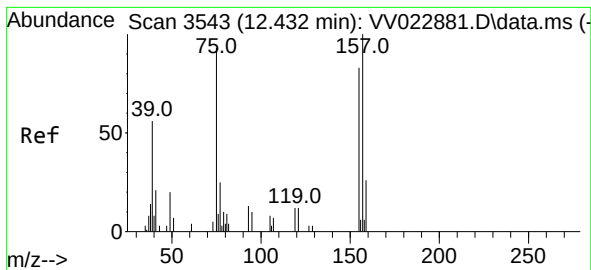
Tgt Ion:146 Resp: 2321
Ion Ratio Lower Upper
146 100
111 43.9 26.7 49.5
148 67.5 45.1 83.9



#67
1,2-Dichlorobenzene
Concen: 0.068 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.003 min
Lab File: VV022885.D
Acq: 18 Oct 2021 23:06

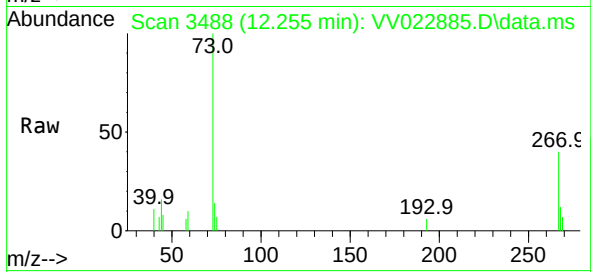
Tgt Ion:146 Resp: 961
Ion Ratio Lower Upper
146 100
111 56.1 32.3 48.5#
148 58.5 52.1 78.1





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.125 ug/L
 RT: 12.255 min Scan# 3488
 Delta R.T. -0.177 min
 Lab File: VV022885.D
 Acq: 18 Oct 2021 23:06

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 89
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#

