

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VV022886.D
 Acq On : 18 Oct 2021 23:30
 Operator : SY/MD
 Sample : M4137-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 04:08:16 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	118852	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	122590	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	57440	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	34417	4.209	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.200%
7) Chloroethane-d5	1.568	69	33039	4.496	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.108	63	46813	2.918	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.400%#
20) 2-Butanone-d5	3.892	46	93723	43.712	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.420%
24) Chloroform-d	4.352	84	93609	5.555	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.000%
26) 1,2-Dichloroethane-d4	5.037	65	43918	5.370	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.400%
32) Benzene-d6	5.053	84	174392	4.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
36) 1,2-Dichloropropane-d6	6.072	67	57100	5.283	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.600%
41) Toluene-d8	7.317	98	148680	4.713	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	7.628	79	18114	5.052	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.000%
46) 2-Hexanone-d5	8.091	63	93200	64.506	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.020%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	41874	5.719	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	60413	5.673	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	674	0.077	ug/L	92
5) Vinyl chloride	1.310	62	939	0.104	ug/L #	19
12) 1,1-Dichloroethene	2.114	96	882	0.123	ug/L #	1
13) Acetone	2.182	43	2535	2.120	ug/L	97
17) Methyl tert-butyl Ether	2.773	73	7012	0.404	ug/L	98
19) 1,1-Dichloroethane	3.191	63	11300	0.804	ug/L	98
22) cis-1,2-Dichloroethene	3.915	96	50863	6.204	ug/L	95
25) Chloroform	4.378	83	20680	1.269	ug/L	97
27) 1,2-Dichloroethane	5.149	62	1535	0.189	ug/L #	79
34) Trichloroethene	5.921	95	13140	1.464	ug/L	93
35) Methylcyclohexane	6.072	83	13920	1.107	ug/L #	16
37) 1,2-Dichloropropane	6.072	63	6040	0.761	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1186	0.113	ug/L #	69
42) Toluene	7.387	91	465911	13.900	ug/L	100
47) Tetrachloroethene	7.979	164	45744	6.300	ug/L	98
49) Dibromochloromethane	7.976	129	38796	5.624	ug/L #	7
53) m,p-xylene	9.149	106	1636	0.123	ug/L	81
61) 1,2,3-Trichloropropane	11.249	75	6473	1.622	ug/L #	63
68) 1,2-Dibromo-3-chloropr...	12.246	75	67	0.092	ug/L #	1

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

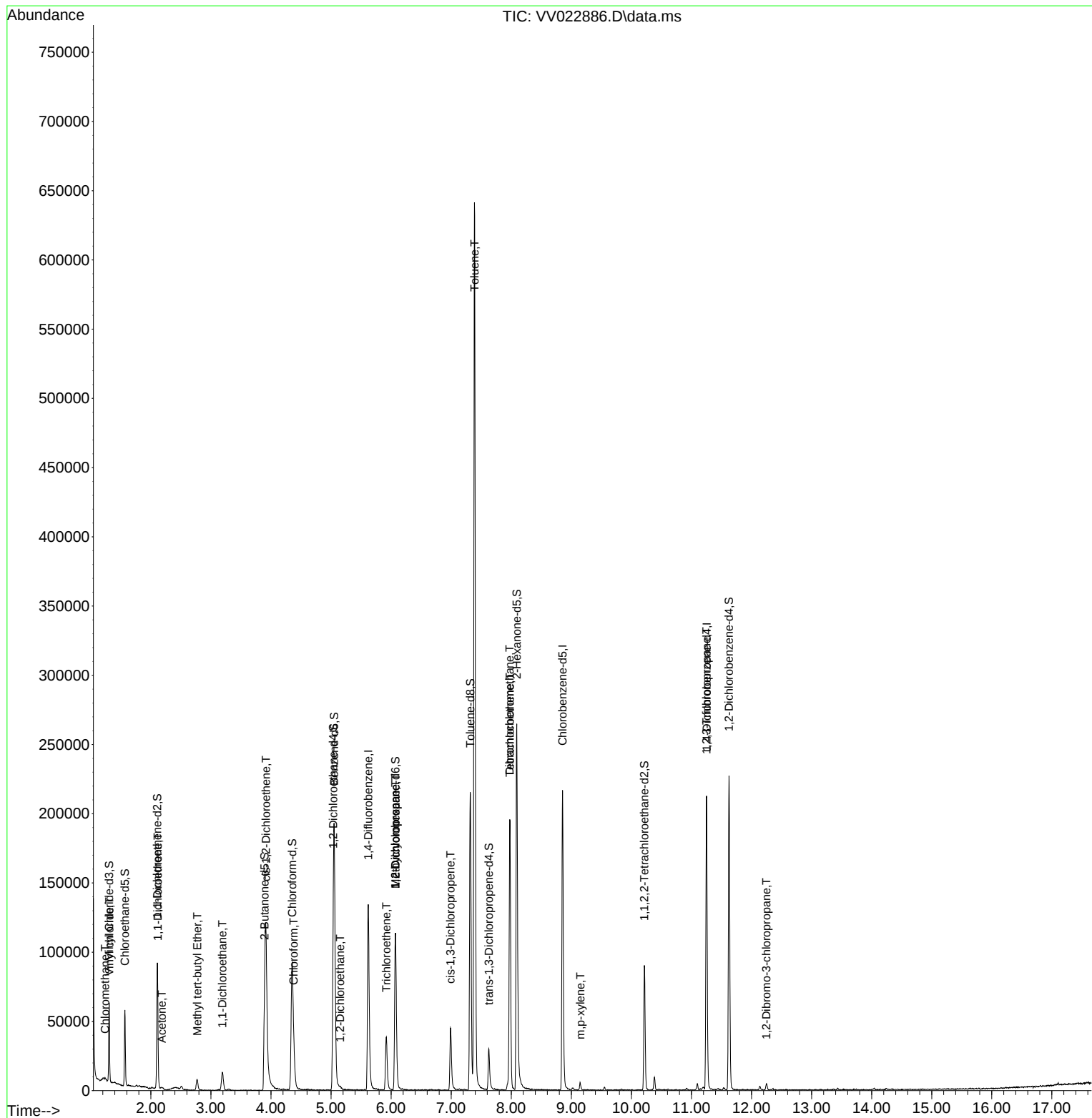
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

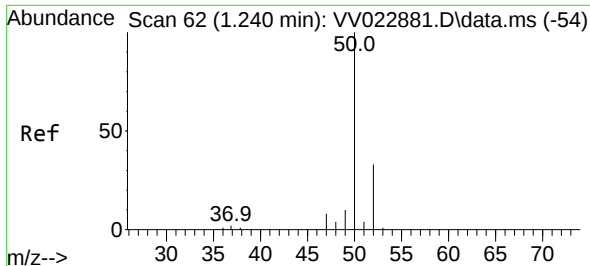
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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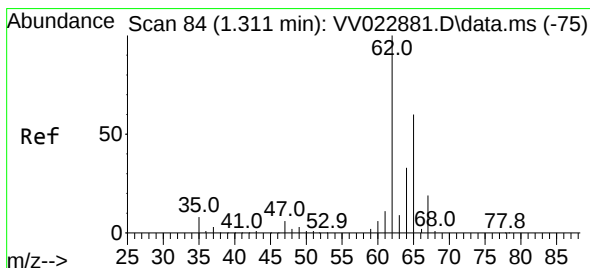
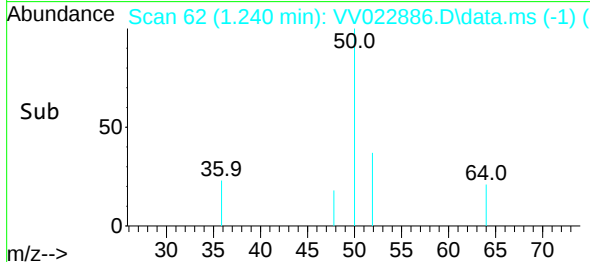
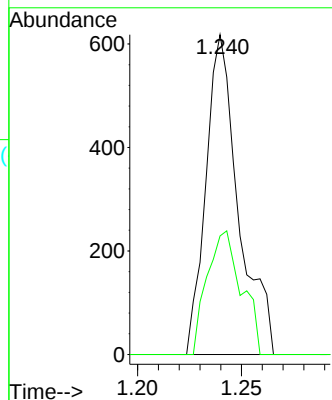
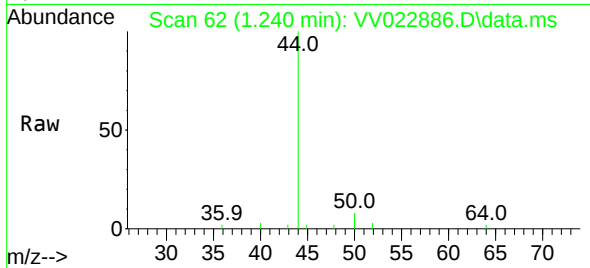




#3
Chloromethane
Concen: 0.077 ug/L
RT: 1.240 min Scan# 62
Delta R.T. -0.000 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30

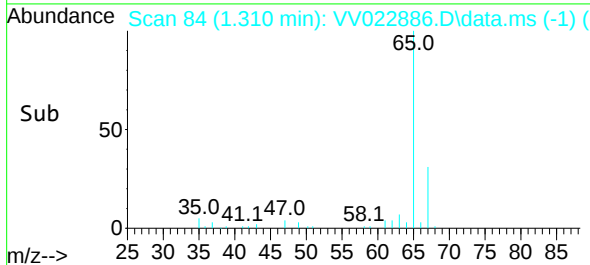
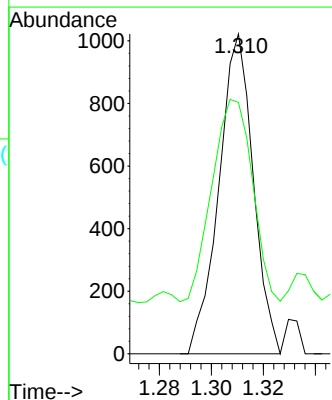
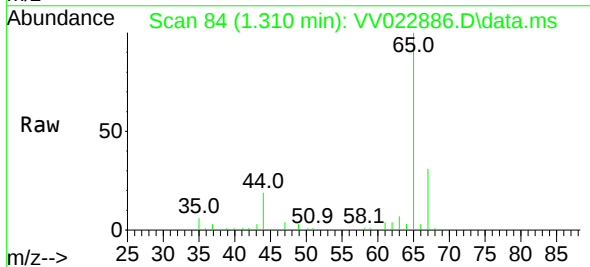
Instrument :
MSVOA_V
ClientSampled :

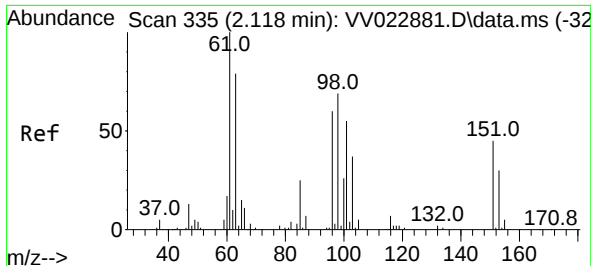
Tgt Ion: 50 Resp: 674
Ion Ratio Lower Upper
50 100
52 37.1 22.9 42.5



#5
Vinyl chloride
Concen: 0.104 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30

Tgt Ion: 62 Resp: 939
Ion Ratio Lower Upper
62 100
64 78.6 23.0 42.8#





#12

1,1-Dichloroethene

Concen: 0.123 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.003 min

Lab File: VV022886.D

Acq: 18 Oct 2021 23:30

Tgt Ion: 96 Resp: 882

Ion Ratio Lower Upper

96 100

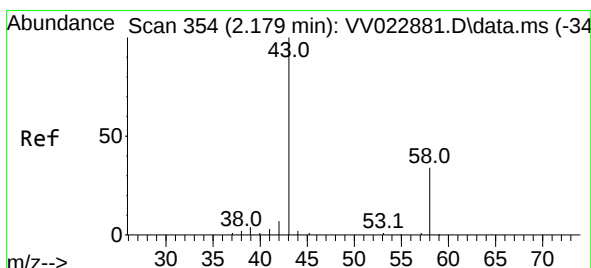
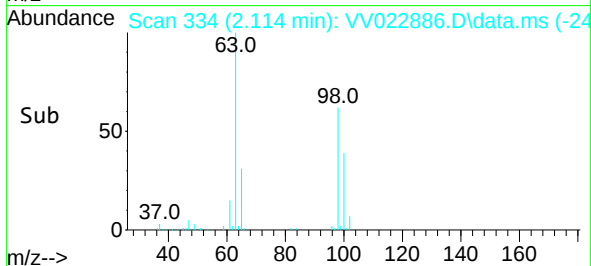
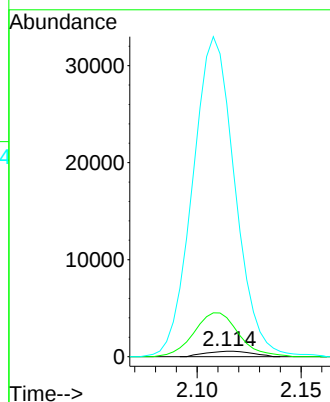
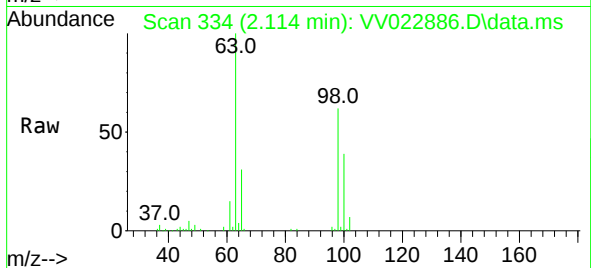
61 713.5 127.3 236.5#

63 4636.6 106.2 197.2#

Instrument :

MSVOA_V

ClientSampled :



#13

Acetone

Concen: 2.120 ug/L

RT: 2.182 min Scan# 355

Delta R.T. 0.003 min

Lab File: VV022886.D

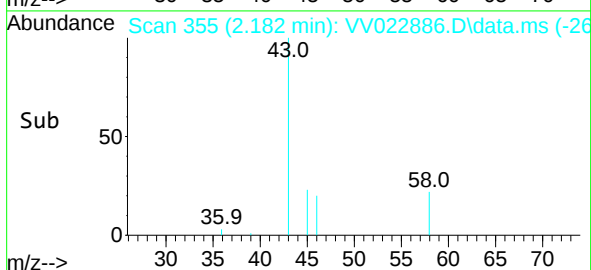
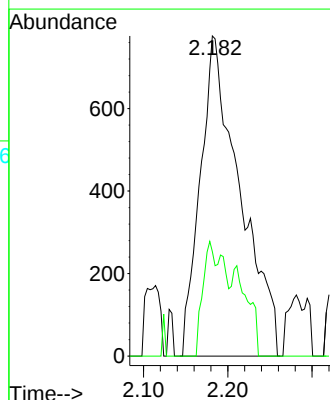
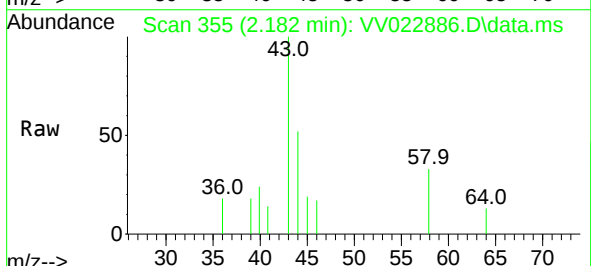
Acq: 18 Oct 2021 23:30

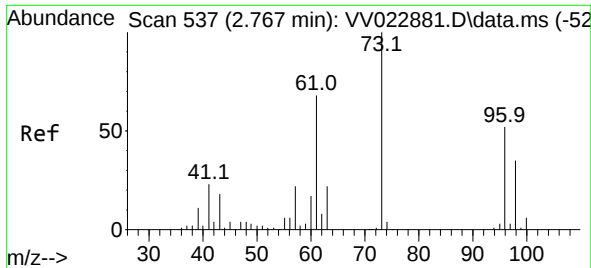
Tgt Ion: 43 Resp: 2535

Ion Ratio Lower Upper

43 100

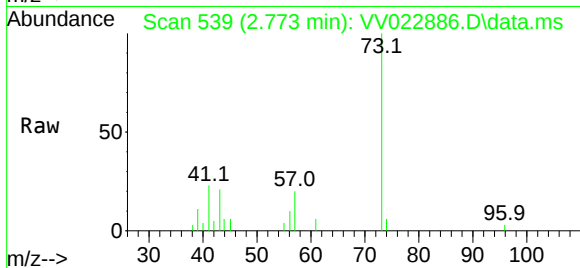
58 11.0 0.0 24.2



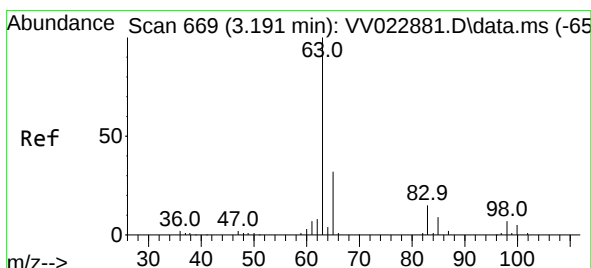
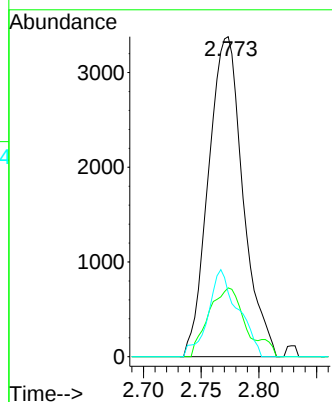
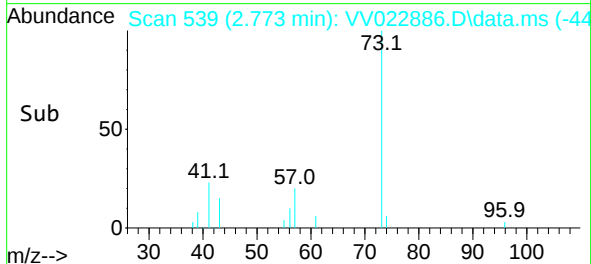


#17
Methyl tert-butyl Ether
Concen: 0.404 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.006 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30

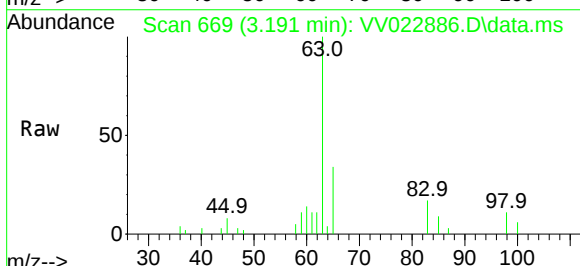
Instrument :
MSVOA_V
ClientSampled :



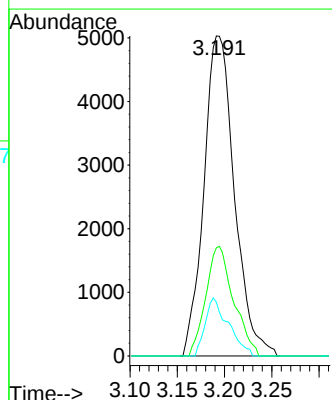
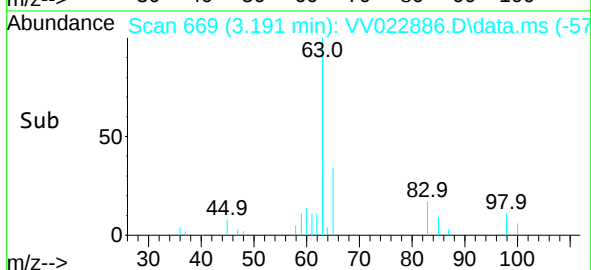
Tgt Ion: 73 Resp: 7012
Ion Ratio Lower Upper
73 100
43 21.6 17.1 25.7
57 23.6 17.2 25.8

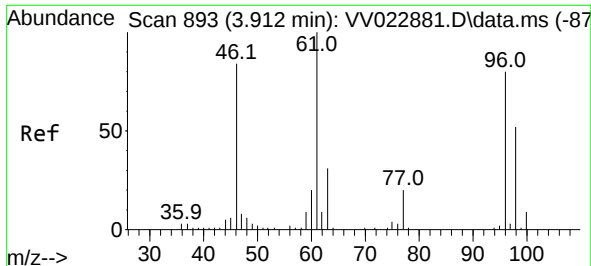


#19
1,1-Dichloroethane
Concen: 0.804 ug/L
RT: 3.191 min Scan# 669
Delta R.T. -0.000 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30



Tgt Ion: 63 Resp: 11300
Ion Ratio Lower Upper
63 100
65 33.8 23.5 43.7
83 16.8 10.1 18.7

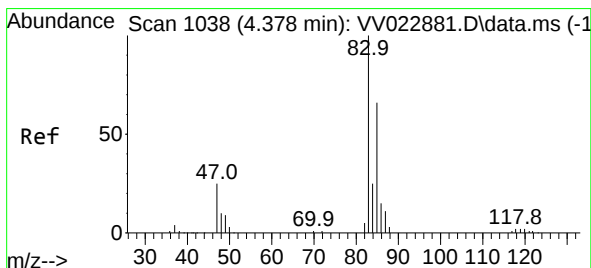
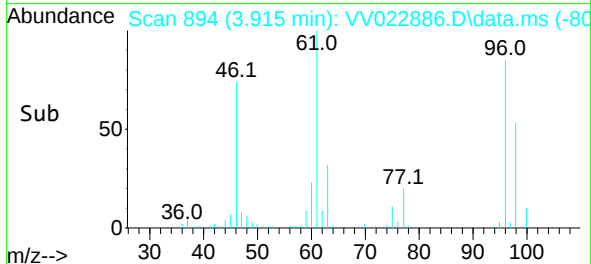
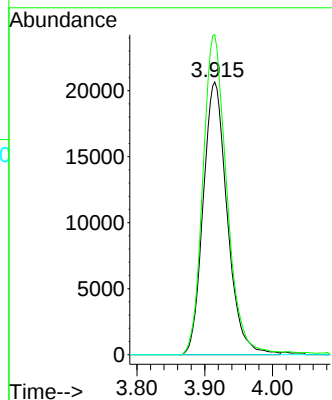
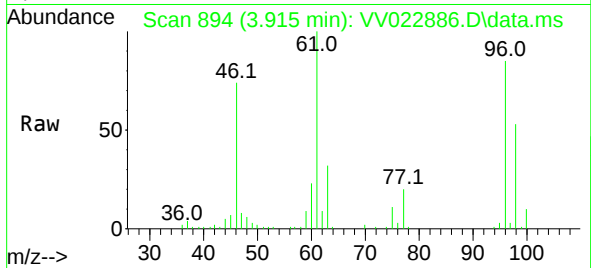




#22
cis-1,2-Dichloroethene
Concen: 6.204 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.003 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30

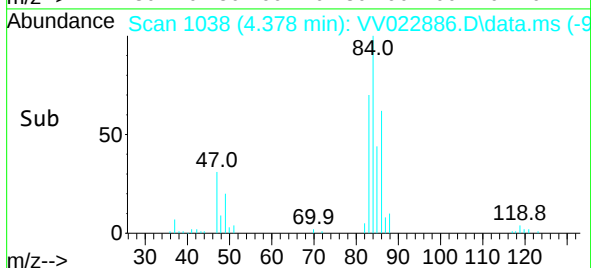
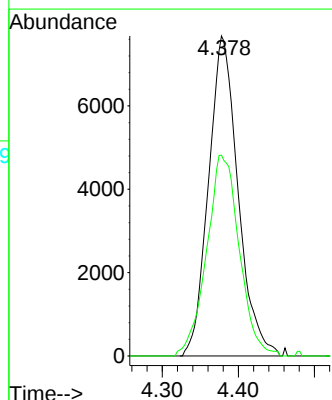
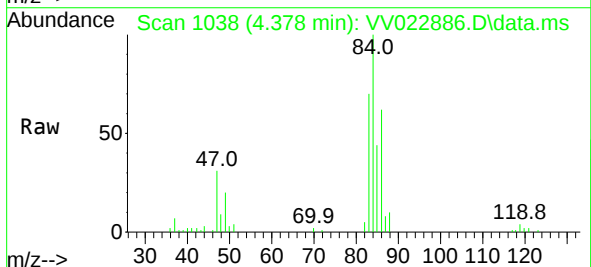
Instrument :
MSVOA_V
ClientSampled :

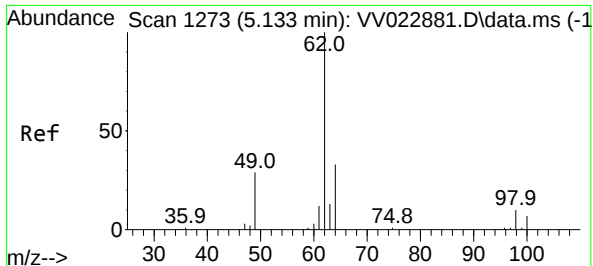
Tgt Ion: 96 Resp: 50863
Ion Ratio Lower Upper
96 100
61 117.4 86.0 159.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 1.269 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30

Tgt Ion: 83 Resp: 20680
Ion Ratio Lower Upper
83 100
85 62.7 45.7 84.9





#27

1,2-Dichloroethane

Concen: 0.189 ug/L

RT: 5.149 min Scan# 1278

Delta R.T. 0.016 min

Lab File: VV022886.D

Acq: 18 Oct 2021 23:30

Tgt Ion: 62 Resp: 1535

Ion Ratio Lower Upper

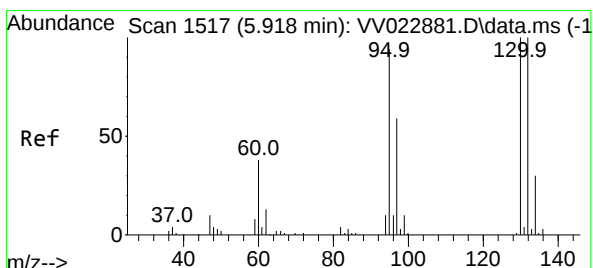
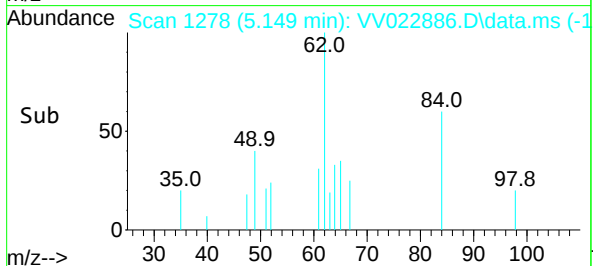
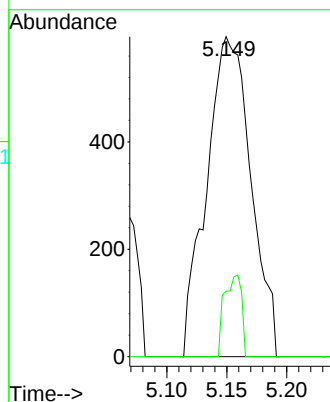
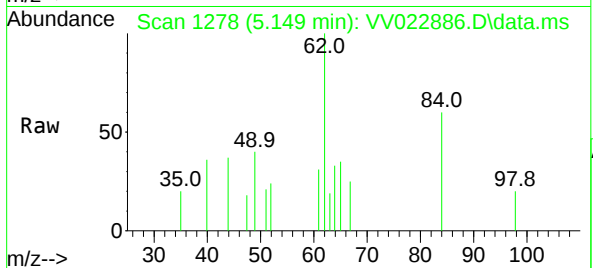
62 100

98 20.5 9.7 14.5#

Instrument :

MSVOA_V

ClientSampled :



#34

Trichloroethene

Concen: 1.464 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.003 min

Lab File: VV022886.D

Acq: 18 Oct 2021 23:30

Tgt Ion: 95 Resp: 13140

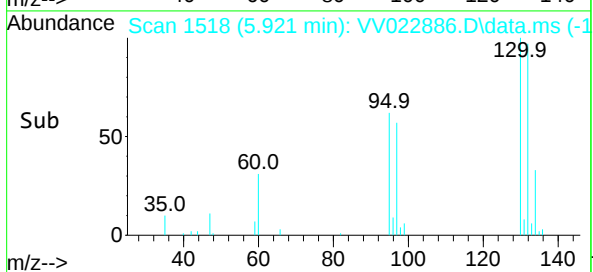
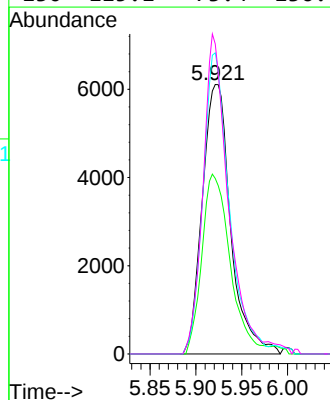
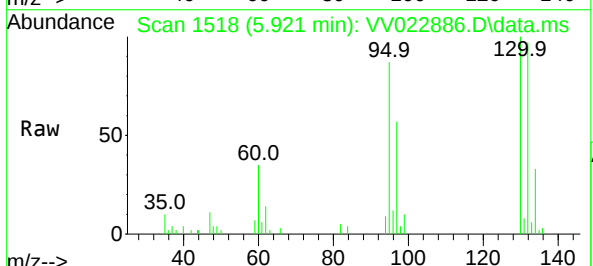
Ion Ratio Lower Upper

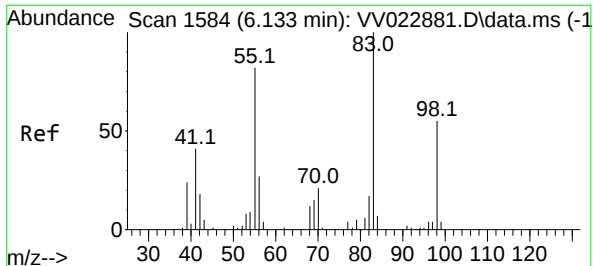
95 100

97 65.1 45.8 85.2

132 111.7 72.2 134.0

130 115.1 73.4 136.4

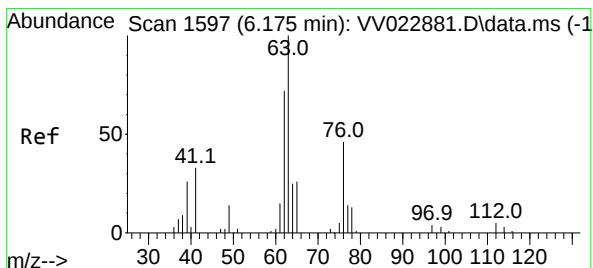
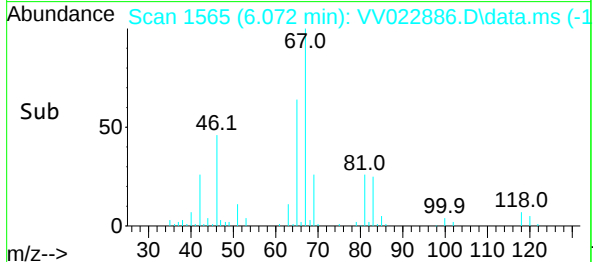
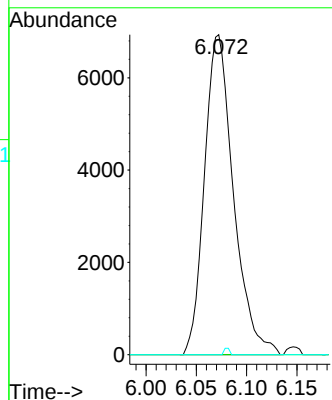
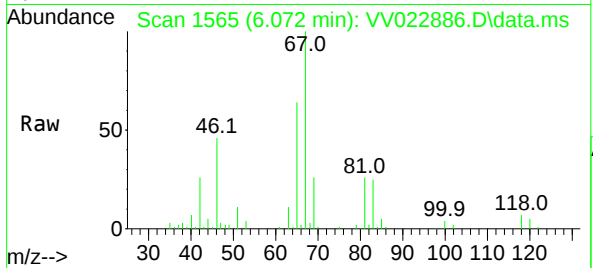




#35
Methylcyclohexane
Concen: 1.107 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30

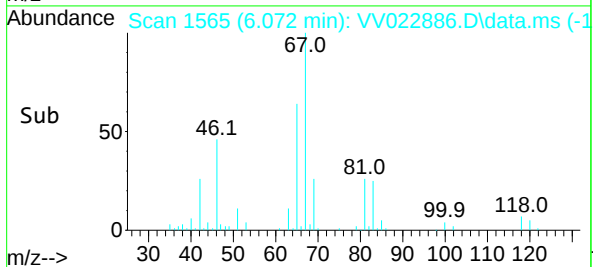
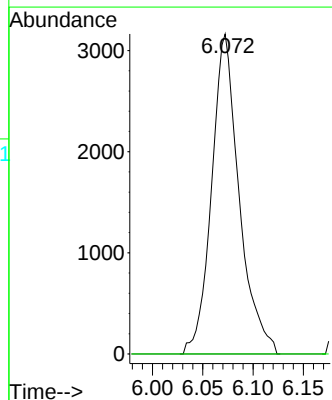
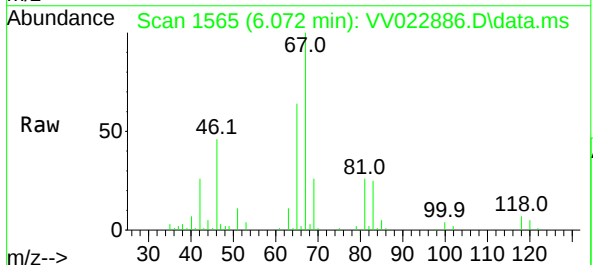
Instrument :
MSVOA_V
ClientSampled :

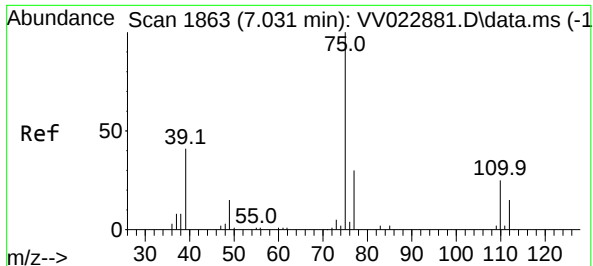
Tgt Ion: 83 Resp: 13920
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.6#
98 0.4 42.1 63.1#



#37
1,2-Dichloropropane
Concen: 0.761 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.103 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30

Tgt Ion: 63 Resp: 6040
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#

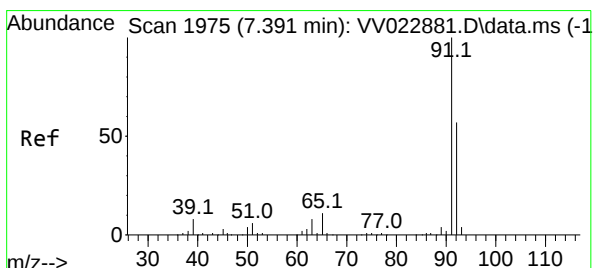
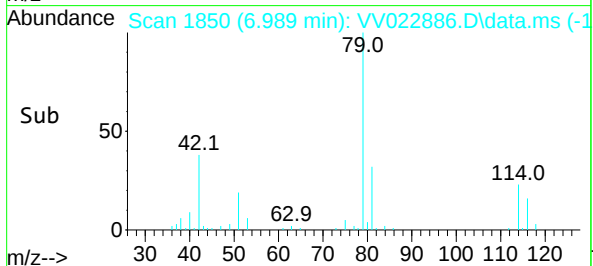
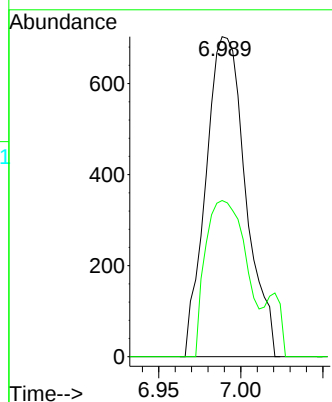
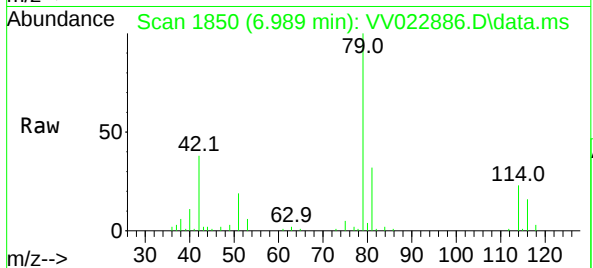




#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 6.989 min Scan# 1850
 Delta R.T. -0.042 min
 Lab File: VV022886.D
 Acq: 18 Oct 2021 23:30

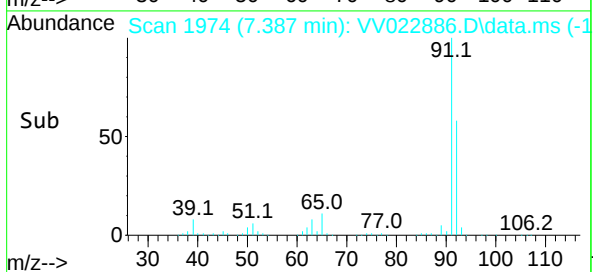
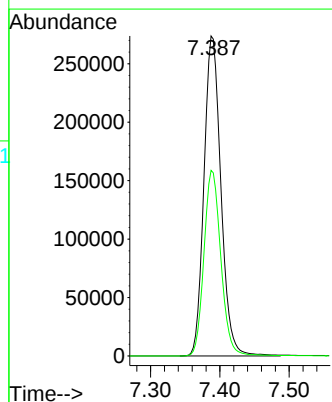
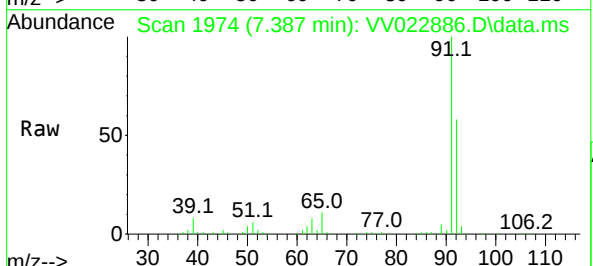
Instrument :
 MSVOA_V
 ClientSampled :

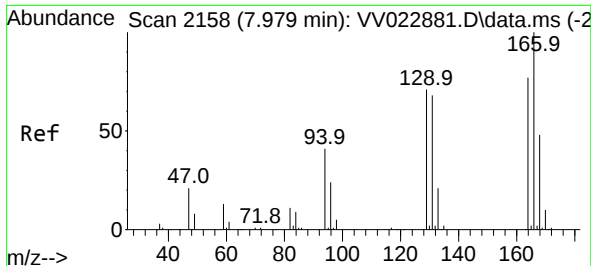
Tgt Ion: 75 Resp: 1186
 Ion Ratio Lower Upper
 75 100
 77 48.8 22.3 41.3#



#42
 Toluene
 Concen: 13.900 ug/L
 RT: 7.387 min Scan# 1974
 Delta R.T. -0.003 min
 Lab File: VV022886.D
 Acq: 18 Oct 2021 23:30

Tgt Ion: 91 Resp: 465911
 Ion Ratio Lower Upper
 91 100
 92 58.0 40.7 75.7

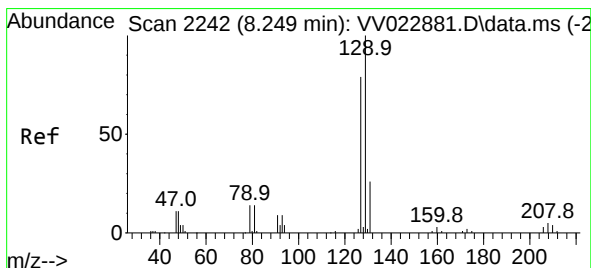
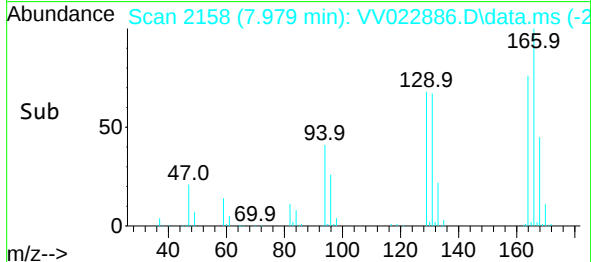
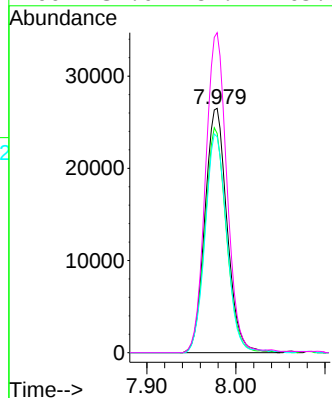
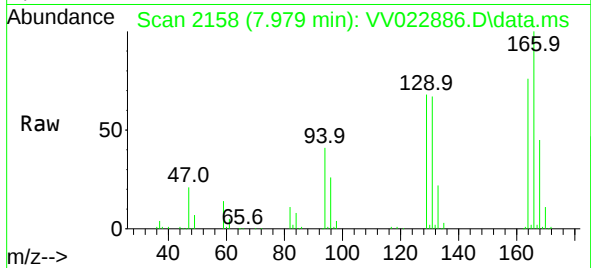




#47
Tetrachloroethene
Concen: 6.300 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.000 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30

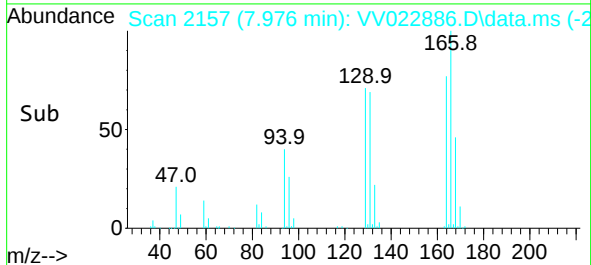
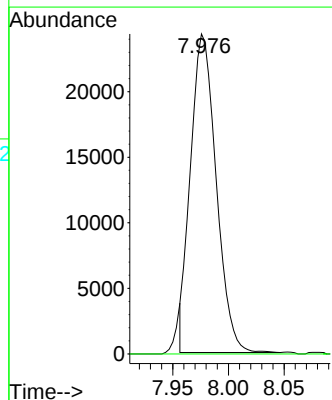
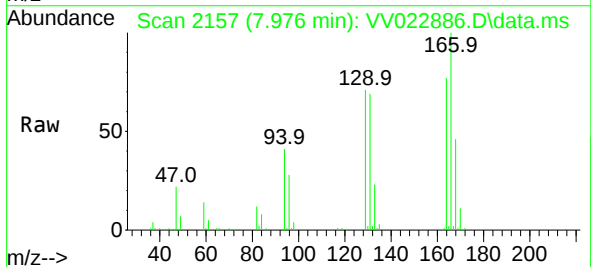
Instrument :
MSVOA_V
ClientSampled :

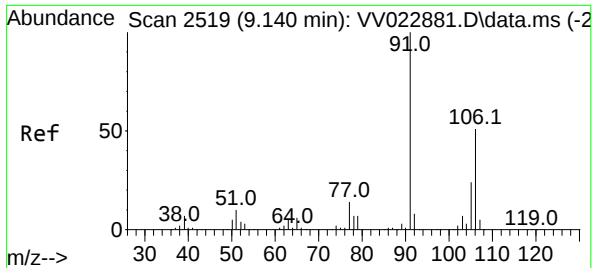
Tgt Ion:164 Resp: 45744
Ion Ratio Lower Upper
164 100
129 89.7 65.0 120.6
131 88.4 62.2 115.4
166 131.0 89.2 165.8



#49
Dibromochloromethane
Concen: 5.624 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.273 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30

Tgt Ion:129 Resp: 38796
Ion Ratio Lower Upper
129 100
127 0.0 59.1 109.9#

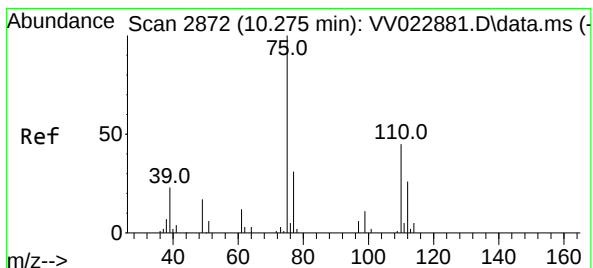
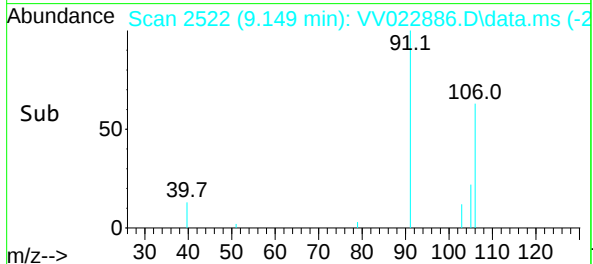
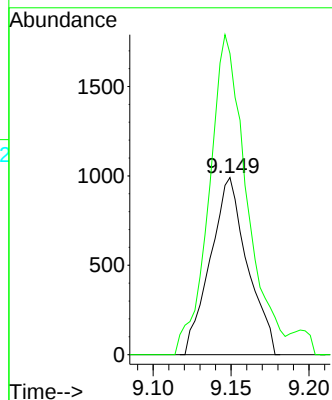
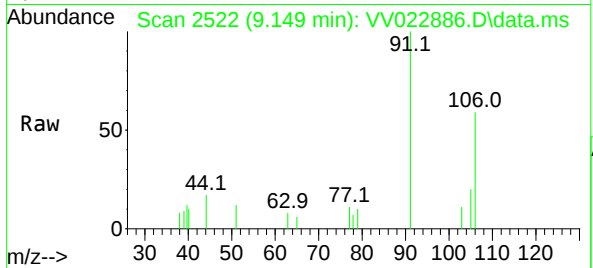




#53
m,p-xylene
Concen: 0.123 ug/L
RT: 9.149 min Scan# 2522
Delta R.T. 0.010 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30

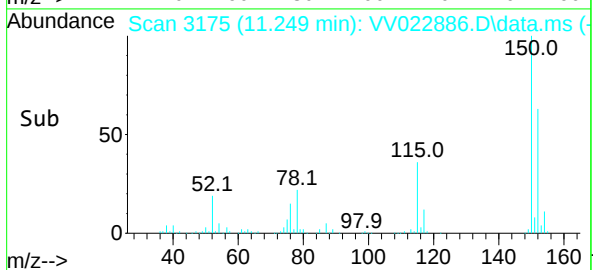
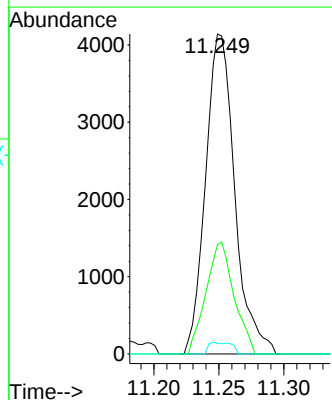
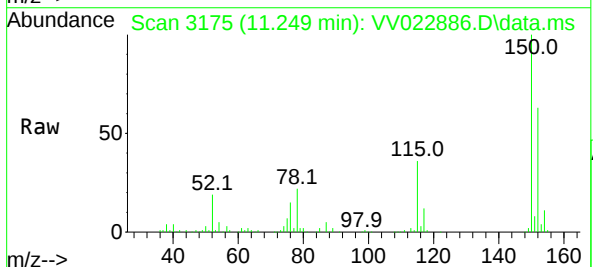
Instrument :
MSVOA_V
ClientSampled :

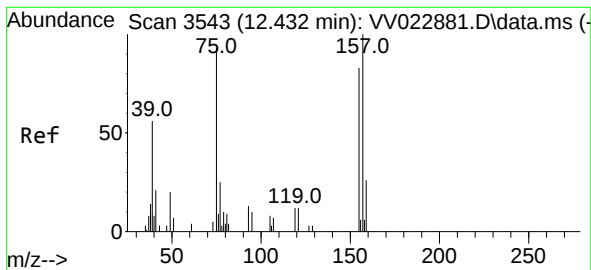
Tgt Ion:106 Resp: 1636
Ion Ratio Lower Upper
106 100
91 169.9 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 1.622 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV022886.D
Acq: 18 Oct 2021 23:30

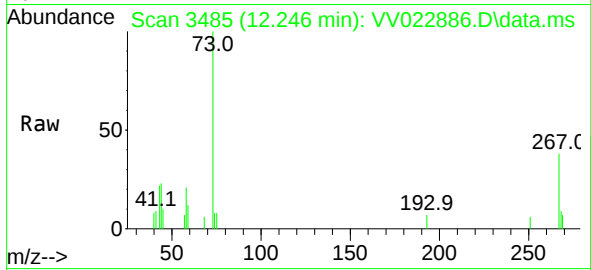
Tgt Ion: 75 Resp: 6473
Ion Ratio Lower Upper
75 100
77 33.5 25.4 38.2
110 2.8 34.2 51.4#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.092 ug/L
 RT: 12.246 min Scan# 3485
 Delta R.T. -0.187 min
 Lab File: VV022886.D
 Acq: 18 Oct 2021 23:30

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 67
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#

