

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VW022887.D
 Acq On : 18 Oct 2021 23:54
 Operator : SY/MD
 Sample : M4137-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 04:08:24 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	119615	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	122105	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	57479	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	33610	4.084	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.600%
7) Chloroethane-d5	1.568	69	32561	4.403	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.108	63	48527	3.006	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.200%
20) 2-Butanone-d5	3.899	46	113345	52.527	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.060%
24) Chloroform-d	4.352	84	92877	5.476	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.600%
26) 1,2-Dichloroethane-d4	5.037	65	44011	5.347	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.000%
32) Benzene-d6	5.053	84	180437	4.964	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
36) 1,2-Dichloropropane-d6	6.072	67	58506	5.435	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.600%
41) Toluene-d8	7.317	98	149903	4.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	7.625	79	18086	5.065	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.200%
46) 2-Hexanone-d5	8.091	63	93218	64.775	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.560%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42225	5.790	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	61011	5.725	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.400%
Target Compounds						
5) Vinyl chloride	1.310	62	1627	0.180	ug/L #	24
12) 1,1-Dichloroethene	2.111	96	715	0.099	ug/L #	1
17) Methyl tert-butyl Ether	2.777	73	1449	0.083	ug/L #	81
18) trans-1,2-Dichloroethene	2.770	96	1273	0.162	ug/L	90
19) 1,1-Dichloroethane	3.201	63	3569	0.252	ug/L	88
22) cis-1,2-Dichloroethene	3.915	96	73729	8.936	ug/L	94
34) Trichloroethene	5.918	95	22710	2.539	ug/L	94
35) Methylcyclohexane	6.072	83	13590	1.085	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	6100	0.771	ug/L #	84
42) Toluene	7.390	91	347684	10.414	ug/L	100
45) 1,1,2-Trichloroethane	7.972	97	678	0.116	ug/L #	11
47) Tetrachloroethene	7.976	164	69302	9.582	ug/L	99
48) 2-Hexanone	8.091	43	10318	3.321	ug/L #	69
49) Dibromochloromethane	7.976	129	61288	8.920	ug/L #	7
53) m,p-xylene	9.149	106	1250	0.094	ug/L	88
61) 1,2,3-Trichloropropane	11.249	75	6240	1.563	ug/L #	62
68) 1,2-Dibromo-3-chloropr...	12.242	75	95	0.131	ug/L #	1

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Instrument :
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ClientSampleId :

Quant Time: Oct 19 04:08:24 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

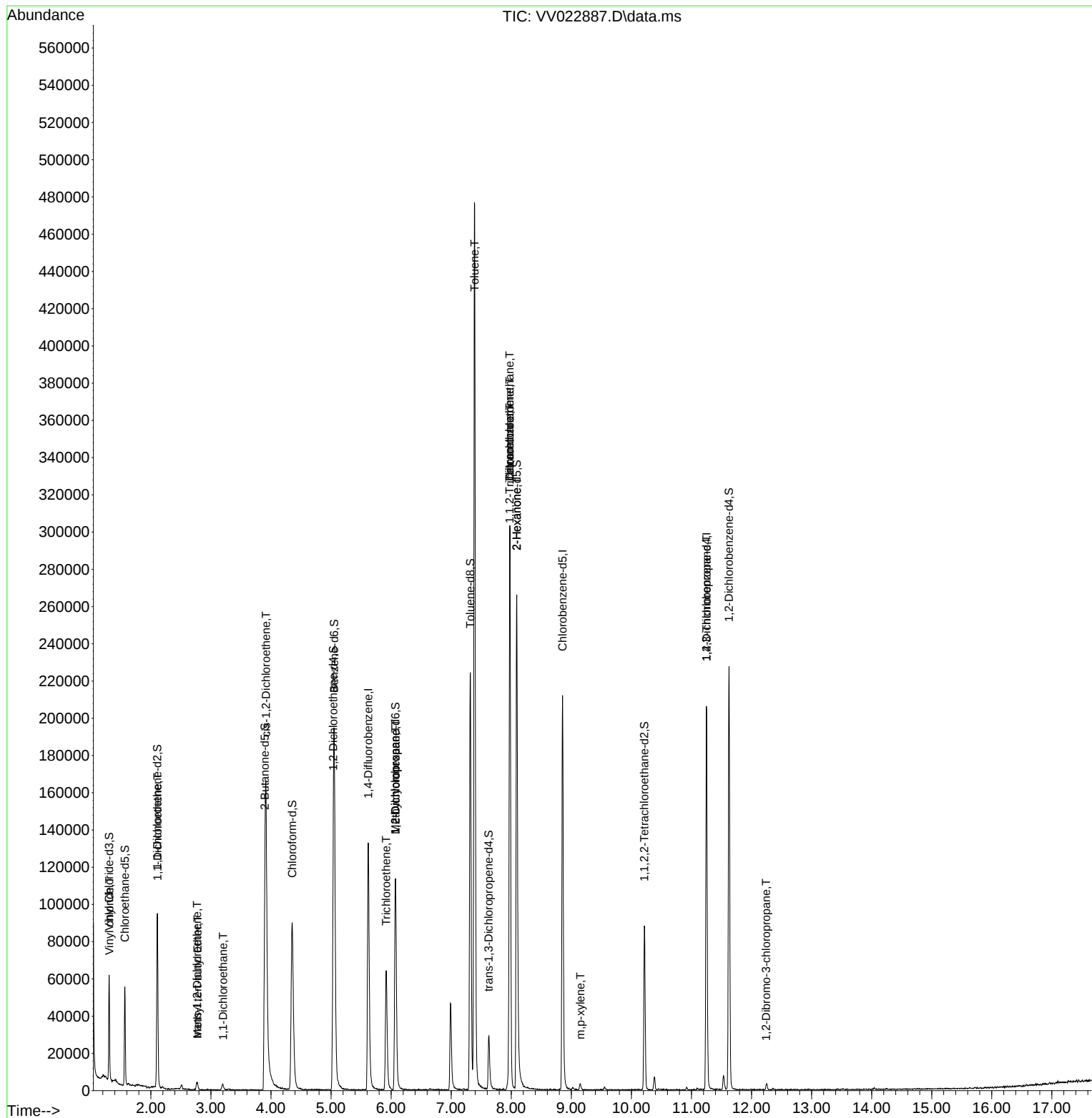
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

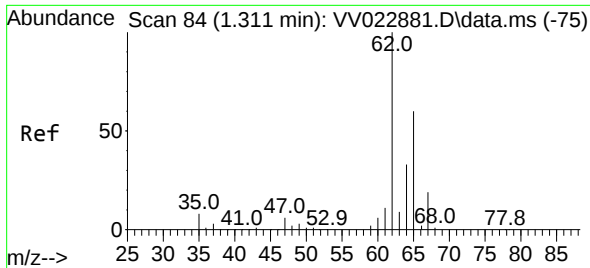
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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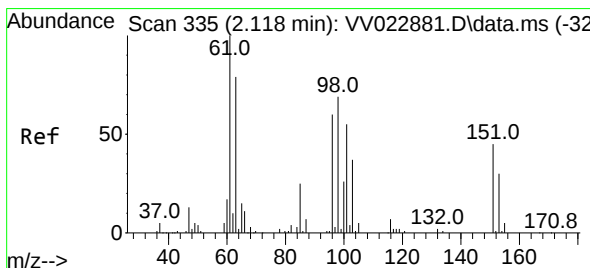
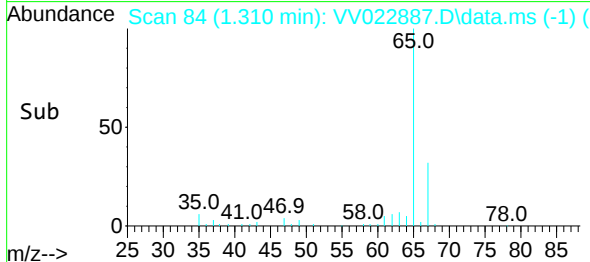
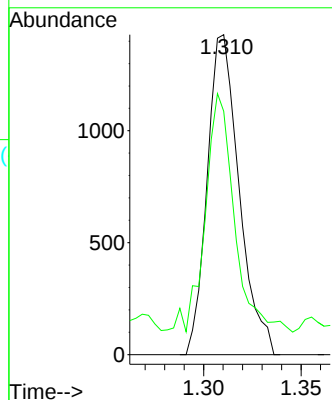
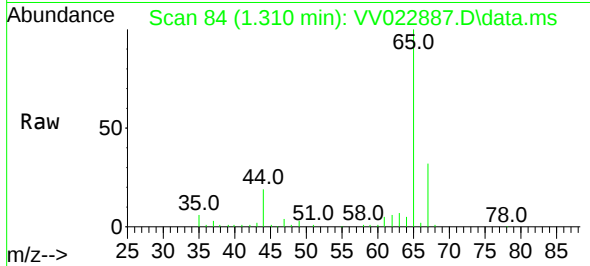




#5
 Vinyl chloride
 Concen: 0.180 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV022887.D
 Acq: 18 Oct 2021 23:54

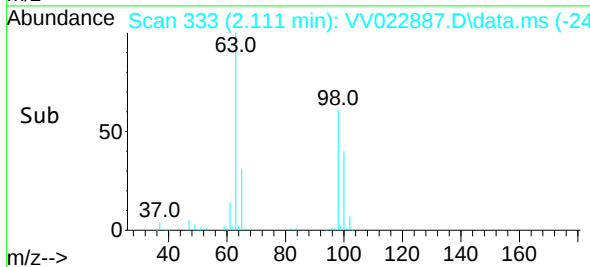
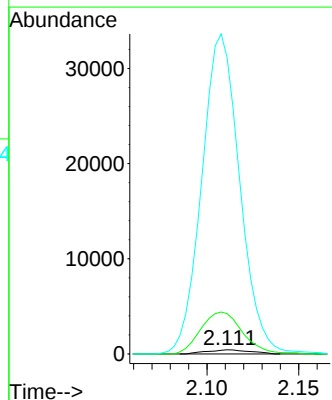
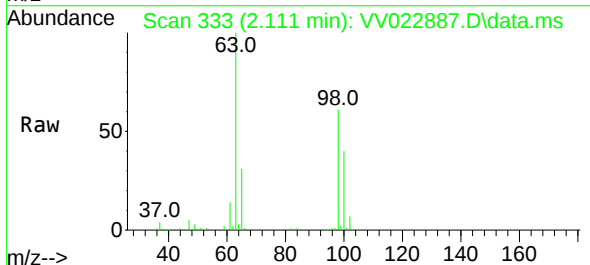
Instrument :
 MSVOA_V
 ClientSampled :

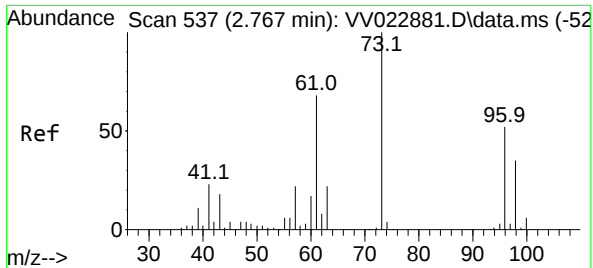
Tgt Ion: 62 Resp: 1627
 Ion Ratio Lower Upper
 62 100
 64 76.1 23.0 42.8#



#12
 1,1-Dichloroethene
 Concen: 0.099 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.007 min
 Lab File: VV022887.D
 Acq: 18 Oct 2021 23:54

Tgt Ion: 96 Resp: 715
 Ion Ratio Lower Upper
 96 100
 61 965.5 127.3 236.5#
 63 7112.3 106.2 197.2#

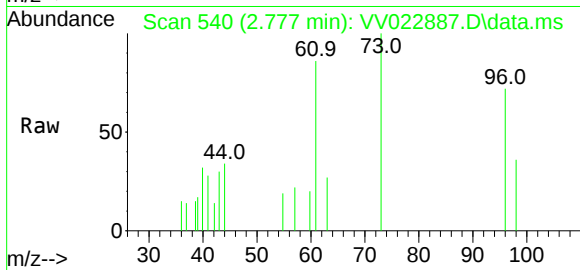




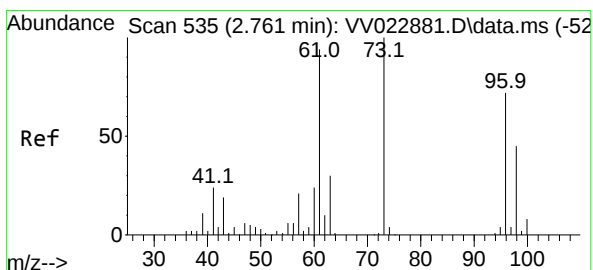
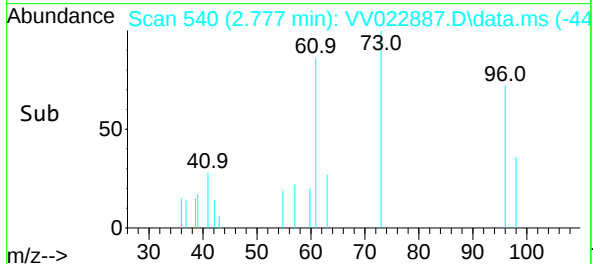
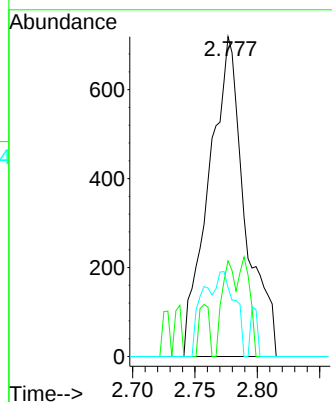
#17

Methyl tert-butyl Ether
Concen: 0.083 ug/L
RT: 2.777 min Scan# 540
Delta R.T. 0.009 min
Lab File: VV022887.D
Acq: 18 Oct 2021 23:54

Instrument :
MSVOA_V
ClientSampled :

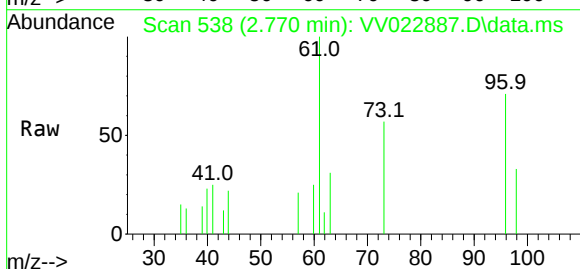


Tgt Ion: 73	Resp: 1449
Ion Ratio	Lower Upper
73	100
43	11.2 17.1 25.7#
57	14.1 17.2 25.8#

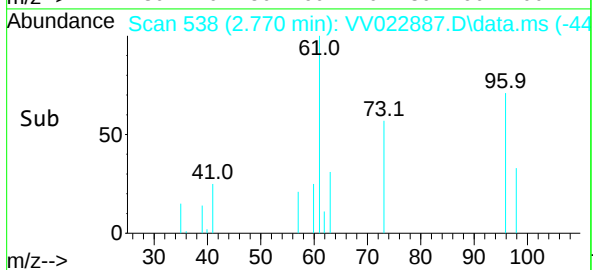
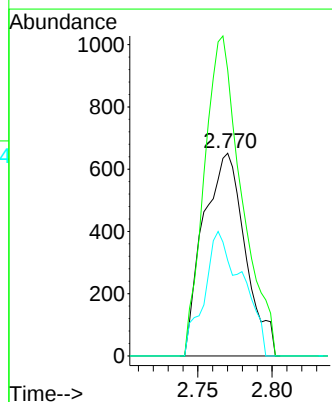


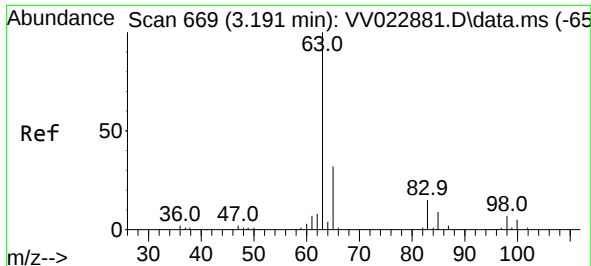
#18

trans-1,2-Dichloroethene
Concen: 0.162 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.009 min
Lab File: VV022887.D
Acq: 18 Oct 2021 23:54



Tgt Ion: 96	Resp: 1273
Ion Ratio	Lower Upper
96	100
61	141.0 94.5 175.5
98	47.2 44.2 82.0





#19

1,1-Dichloroethane

Concen: 0.252 ug/L

RT: 3.201 min Scan# 672

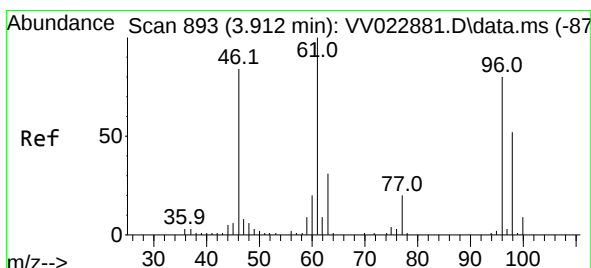
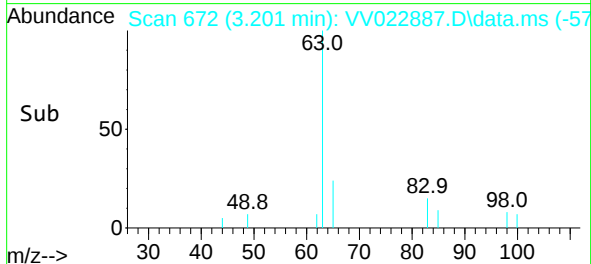
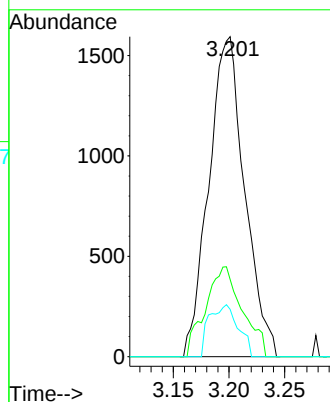
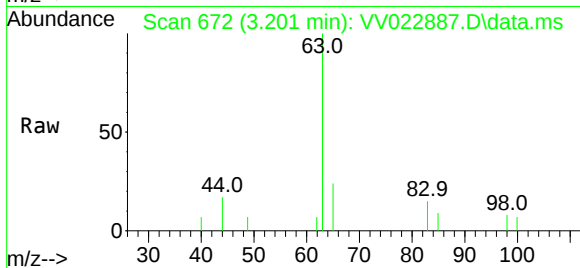
Delta R.T. 0.009 min

Lab File: VV022887.D

Acq: 18 Oct 2021 23:54

Tgt Ion: 63	Resp: 3569
Ion Ratio	Lower Upper
63 100	
65 24.2	23.5 43.7
83 14.8	10.1 18.7

Instrument :
MSVOA_V
ClientSampleId :



#22

cis-1,2-Dichloroethene

Concen: 8.936 ug/L

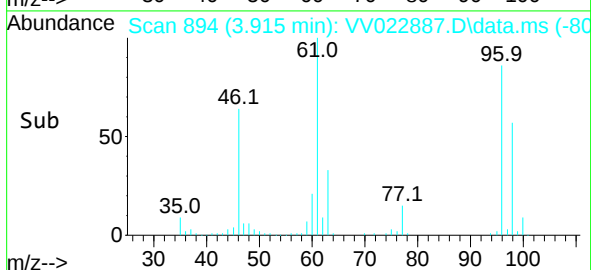
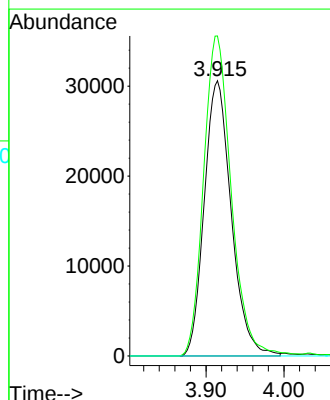
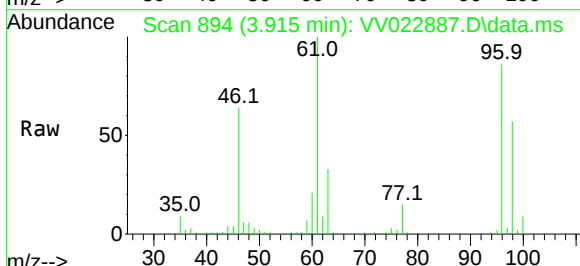
RT: 3.915 min Scan# 894

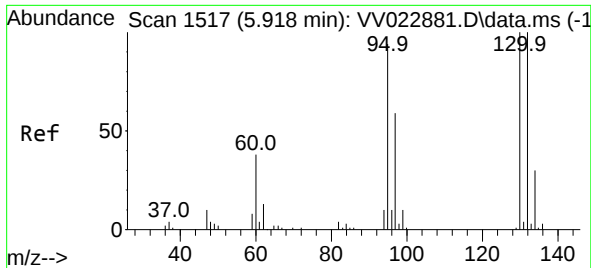
Delta R.T. 0.003 min

Lab File: VV022887.D

Acq: 18 Oct 2021 23:54

Tgt Ion: 96	Resp: 73729
Ion Ratio	Lower Upper
96 100	
61 116.3	86.0 159.6
68 0.0	0.0 0.0



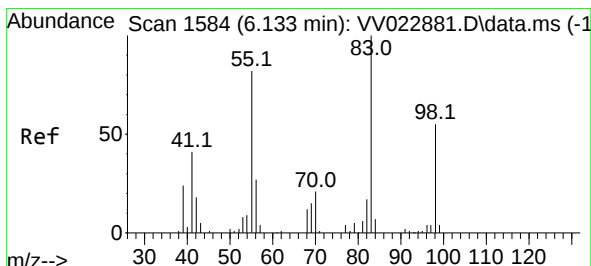
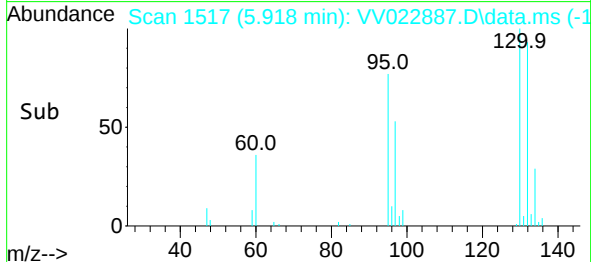
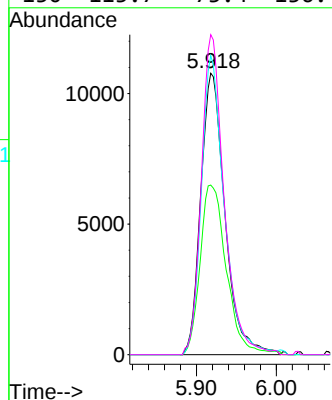
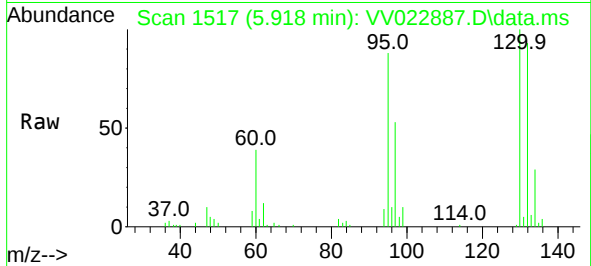


#34
Trichloroethene
Concen: 2.539 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VV022887.D
Acq: 18 Oct 2021 23:54

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 22710

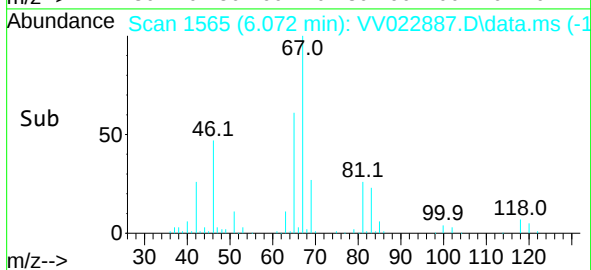
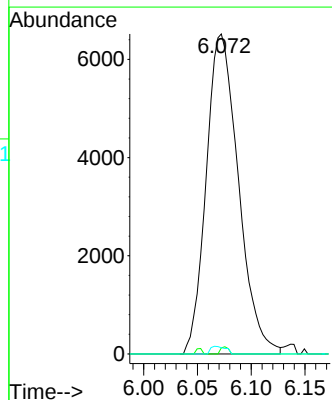
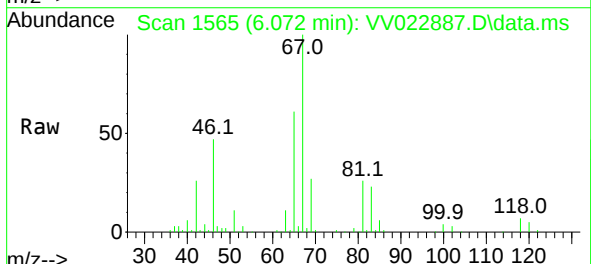
Ion	Ratio	Lower	Upper
95	100		
97	60.2	45.8	85.2
132	106.2	72.2	134.0
130	113.7	73.4	136.4

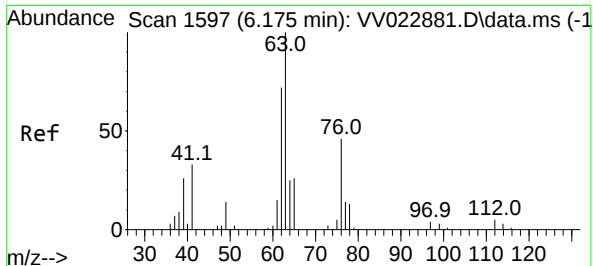


#35
Methylcyclohexane
Concen: 1.085 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV022887.D
Acq: 18 Oct 2021 23:54

Tgt Ion: 83 Resp: 13590

Ion	Ratio	Lower	Upper
83	100		
55	0.5	63.8	95.6#
98	1.1	42.1	63.1#

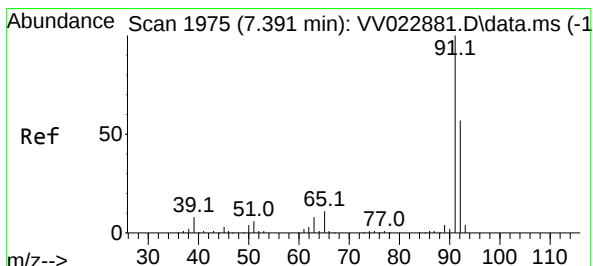
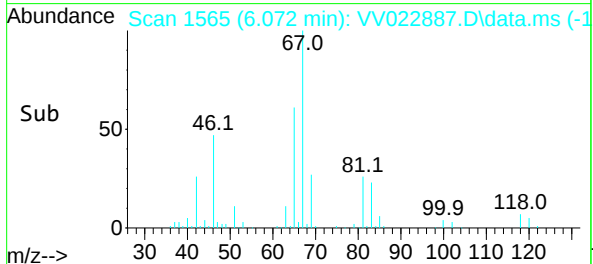
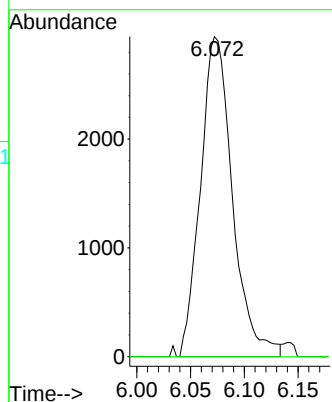
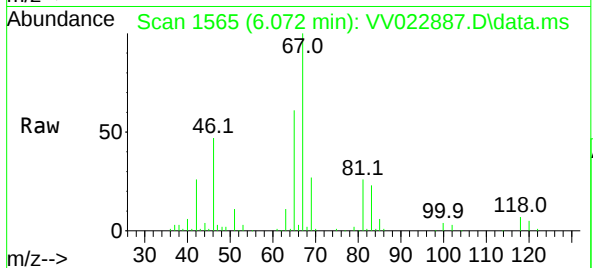




#37
1,2-Dichloropropane
Concen: 0.771 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.103 min
Lab File: VV022887.D
Acq: 18 Oct 2021 23:54

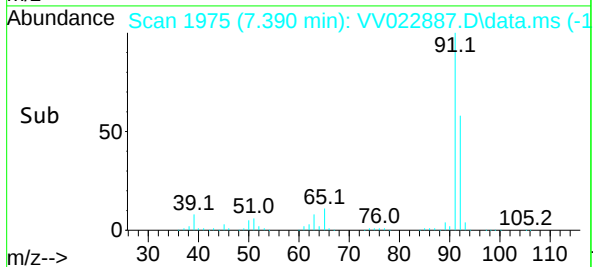
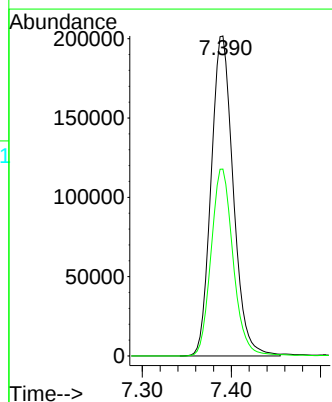
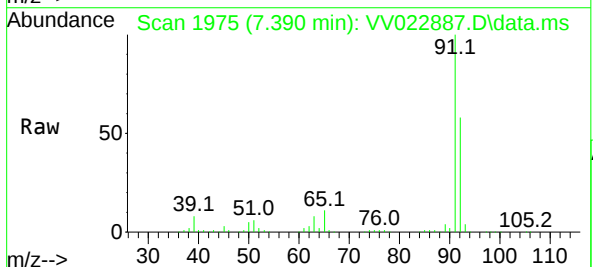
Instrument :
MSVOA_V
ClientSampled :

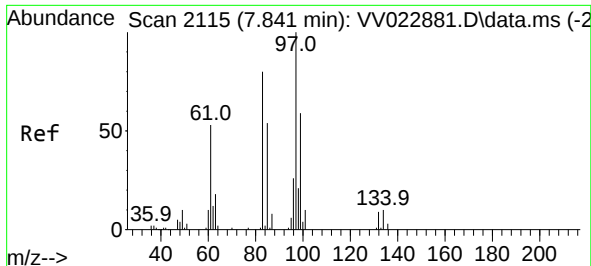
Tgt Ion: 63 Resp: 6100
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



#42
Toluene
Concen: 10.414 ug/L
RT: 7.390 min Scan# 1975
Delta R.T. -0.000 min
Lab File: VV022887.D
Acq: 18 Oct 2021 23:54

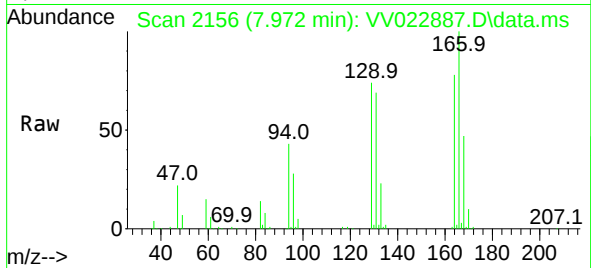
Tgt Ion: 91 Resp: 347684
Ion Ratio Lower Upper
91 100
92 58.4 40.7 75.7



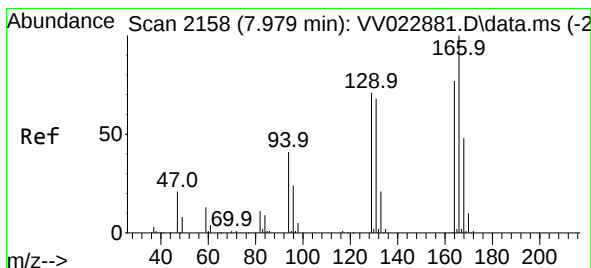
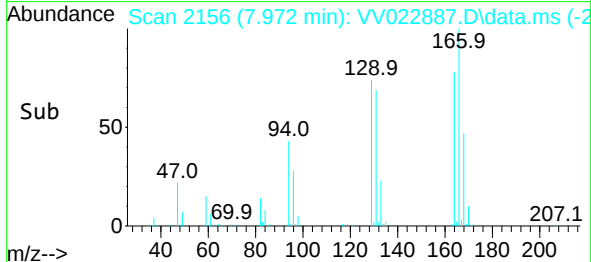
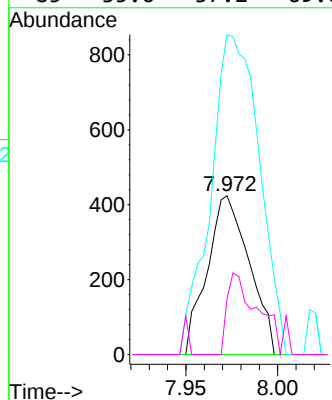


#45
1,1,2-Trichloroethane
Concen: 0.116 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.132 min
Lab File: VV022887.D
Acq: 18 Oct 2021 23:54

Instrument :
MSVOA_V
ClientSampleId :

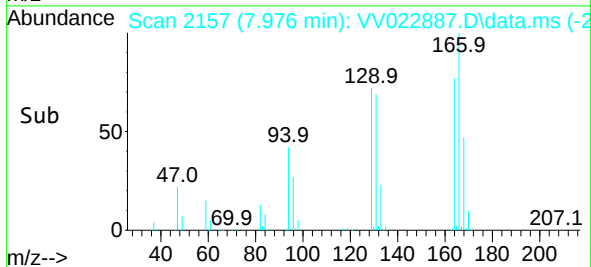
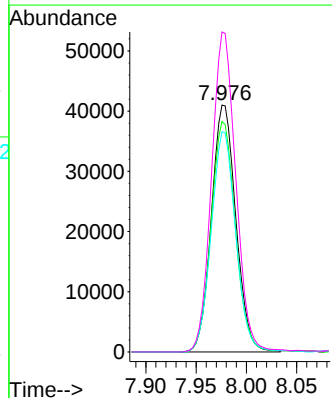
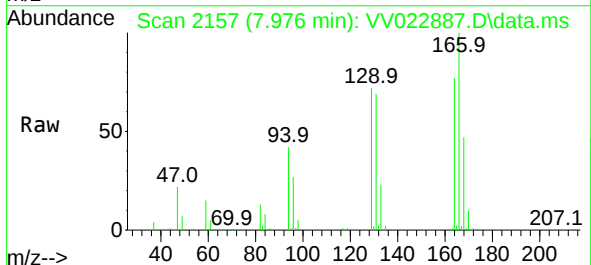


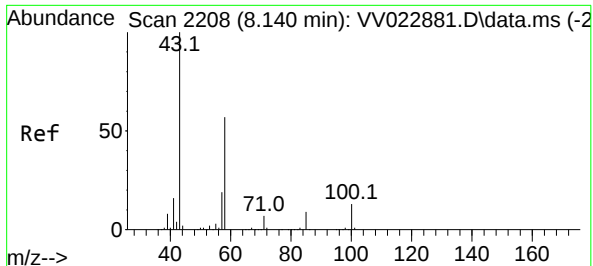
Tgt Ion:	97	Resp:	678
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.5	82.7#
83	201.4	56.6	105.0#
85	35.6	37.2	69.0#



#47
Tetrachloroethene
Concen: 9.582 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.003 min
Lab File: VV022887.D
Acq: 18 Oct 2021 23:54

Tgt Ion:	164	Resp:	69302
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.0	120.6
131	89.2	62.2	115.4
166	129.6	89.2	165.8





#48

2-Hexanone

Concen: 3.321 ug/L

RT: 8.091 min Scan# 2193

Delta R.T. -0.048 min

Lab File: VV022887.D

Acq: 18 Oct 2021 23:54

Tgt Ion: 43 Resp: 10318

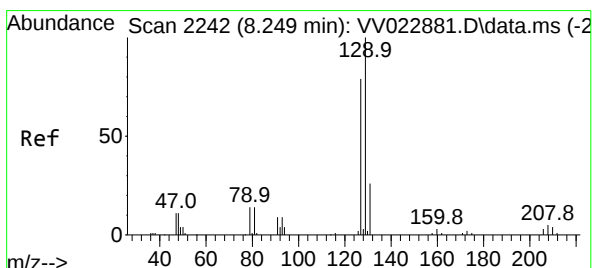
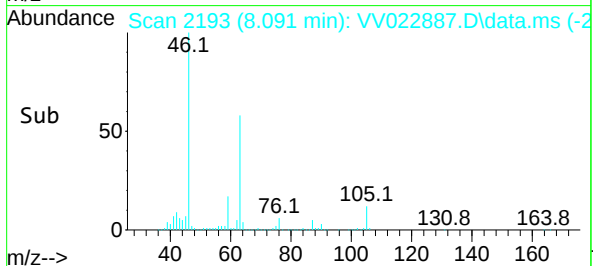
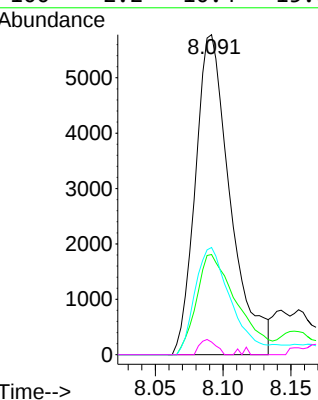
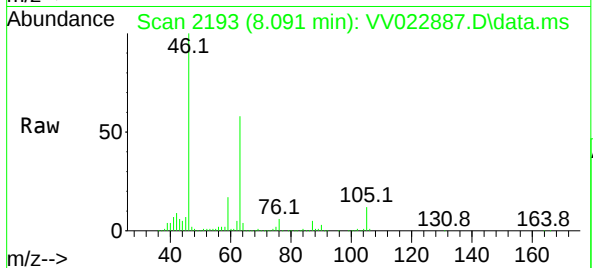
Ion Ratio Lower Upper

43 100

58 36.6 47.4 71.0#

57 34.6 15.3 22.9#

100 2.2 10.4 15.6#



#49

Dibromochloromethane

Concen: 8.920 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV022887.D

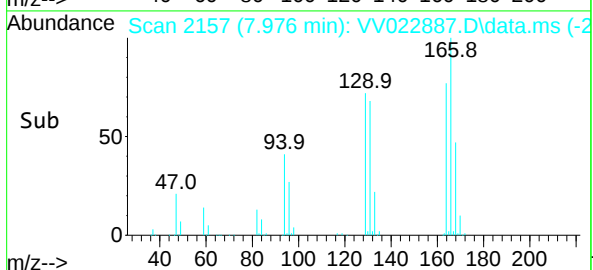
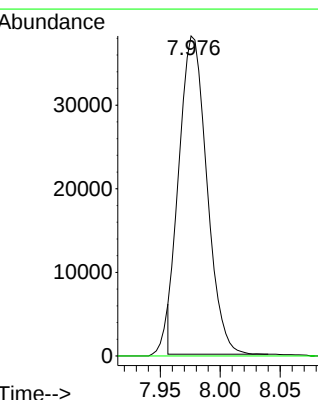
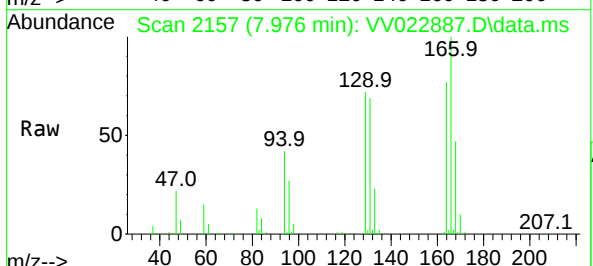
Acq: 18 Oct 2021 23:54

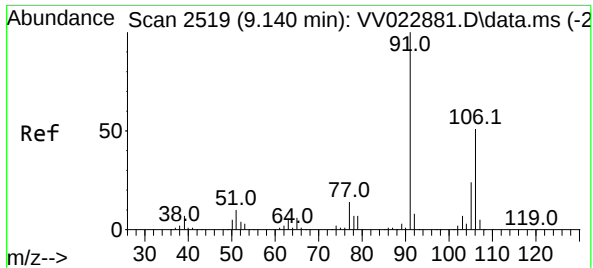
Tgt Ion: 129 Resp: 61288

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#

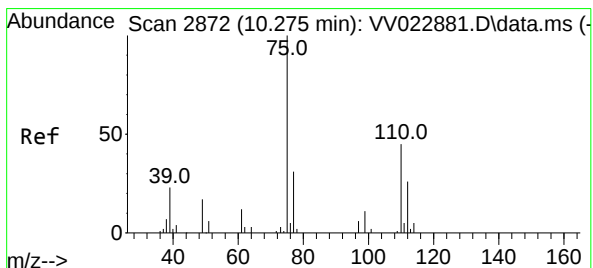
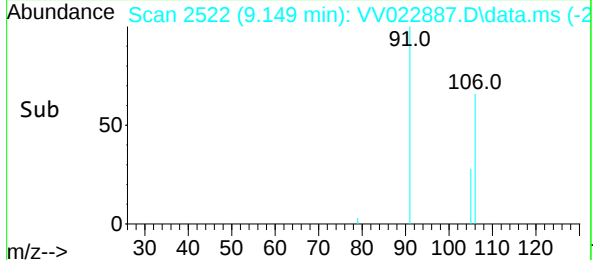
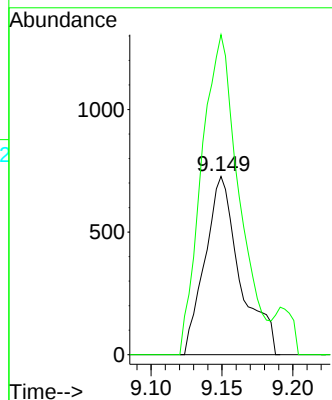
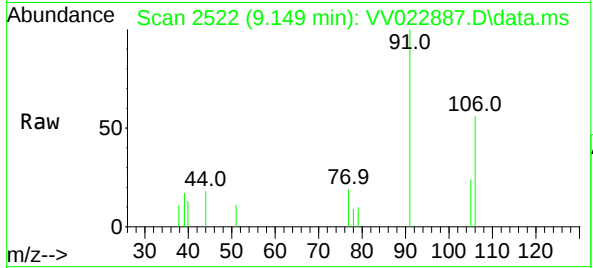




#53
 m,p-xylene
 Concen: 0.094 ug/L
 RT: 9.149 min Scan# 2522
 Delta R.T. 0.009 min
 Lab File: VV022887.D
 Acq: 18 Oct 2021 23:54

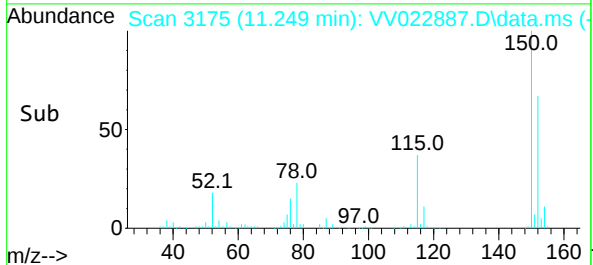
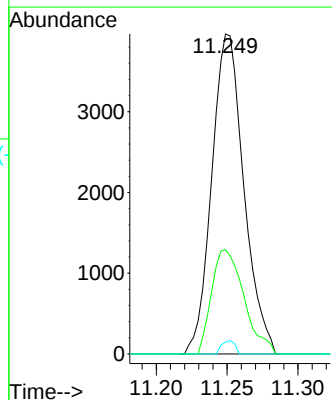
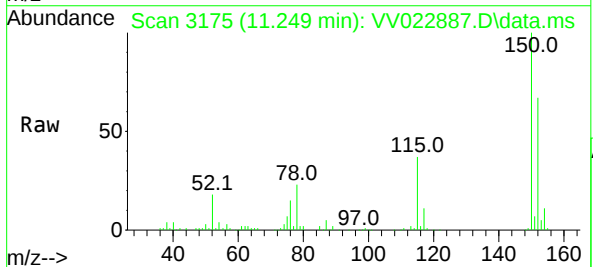
Instrument :
 MSVOA_V
 ClientSampled :

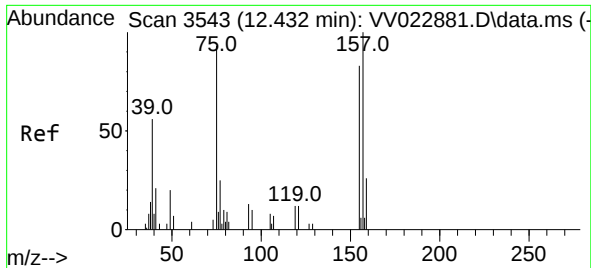
Tgt Ion:106 Resp: 1250
 Ion Ratio Lower Upper
 106 100
 91 179.5 138.7 257.5



#61
 1,2,3-Trichloropropane
 Concen: 1.563 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.974 min
 Lab File: VV022887.D
 Acq: 18 Oct 2021 23:54

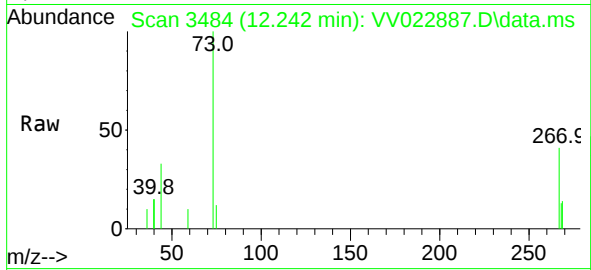
Tgt Ion: 75 Resp: 6240
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.4 38.2
 110 1.7 34.2 51.4#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.131 ug/L
 RT: 12.242 min Scan# 3484
 Delta R.T. -0.190 min
 Lab File: VV022887.D
 Acq: 18 Oct 2021 23:54

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 95
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#

