

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VW022901.D
 Acq On : 19 Oct 2021 05:29
 Operator : SY/MD
 Sample : M4137-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 09:00:31 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	102224	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	123667	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56908	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	31676	4.504	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.000%
7) Chloroethane-d5	1.568	69	25593	4.049	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.000%
11) 1,1-Dichloroethene-d2	2.108	63	40886	2.964	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.200%#
20) 2-Butanone-d5	3.889	46	74963	40.650	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.300%
24) Chloroform-d	4.352	84	74755	5.158	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
26) 1,2-Dichloroethane-d4	5.037	65	35079	4.987	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.053	84	140601	3.819	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
36) 1,2-Dichloropropane-d6	6.072	67	43589	3.998	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.000%
41) Toluene-d8	7.317	98	119190	3.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.000%
43) trans-1,3-Dichloroprop...	7.625	79	13164	3.640	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.800%
46) 2-Hexanone-d5	8.092	63	63312	43.438	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.880%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38530	5.217	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	56354	5.341	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	3187	0.412	ug/L #	68
8) Chloroethane	1.552	64	5160	1.078	ug/L #	53
17) Methyl tert-butyl Ether	2.770	73	12039	0.806	ug/L	97
19) 1,1-Dichloroethane	3.191	63	21940	1.814	ug/L	97
22) cis-1,2-Dichloroethene	3.915	96	20855	2.958	ug/L	97
25) Chloroform	4.378	83	8542	0.609	ug/L	99
27) 1,2-Dichloroethane	5.153	62	857	0.122	ug/L #	69
34) Trichloroethene	5.918	95	11135	1.229	ug/L	95
35) Methylcyclohexane	6.072	83	11375	0.896	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	5068	0.633	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	985	0.093	ug/L	92
42) Toluene	7.397	91	4518	0.134	ug/L	90
47) Tetrachloroethene	7.976	164	45703	6.239	ug/L	96
48) 2-Hexanone	8.088	43	7381	2.345	ug/L #	71
49) Dibromochloromethane	7.976	129	38824	5.579	ug/L #	7
53) m,p-xylene	9.146	106	1097	0.081	ug/L	64
61) 1,2,3-Trichloropropane	11.249	75	6129	1.550	ug/L #	62

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Instrument :
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ClientSampleId :

Quant Time: Oct 19 09:00:31 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

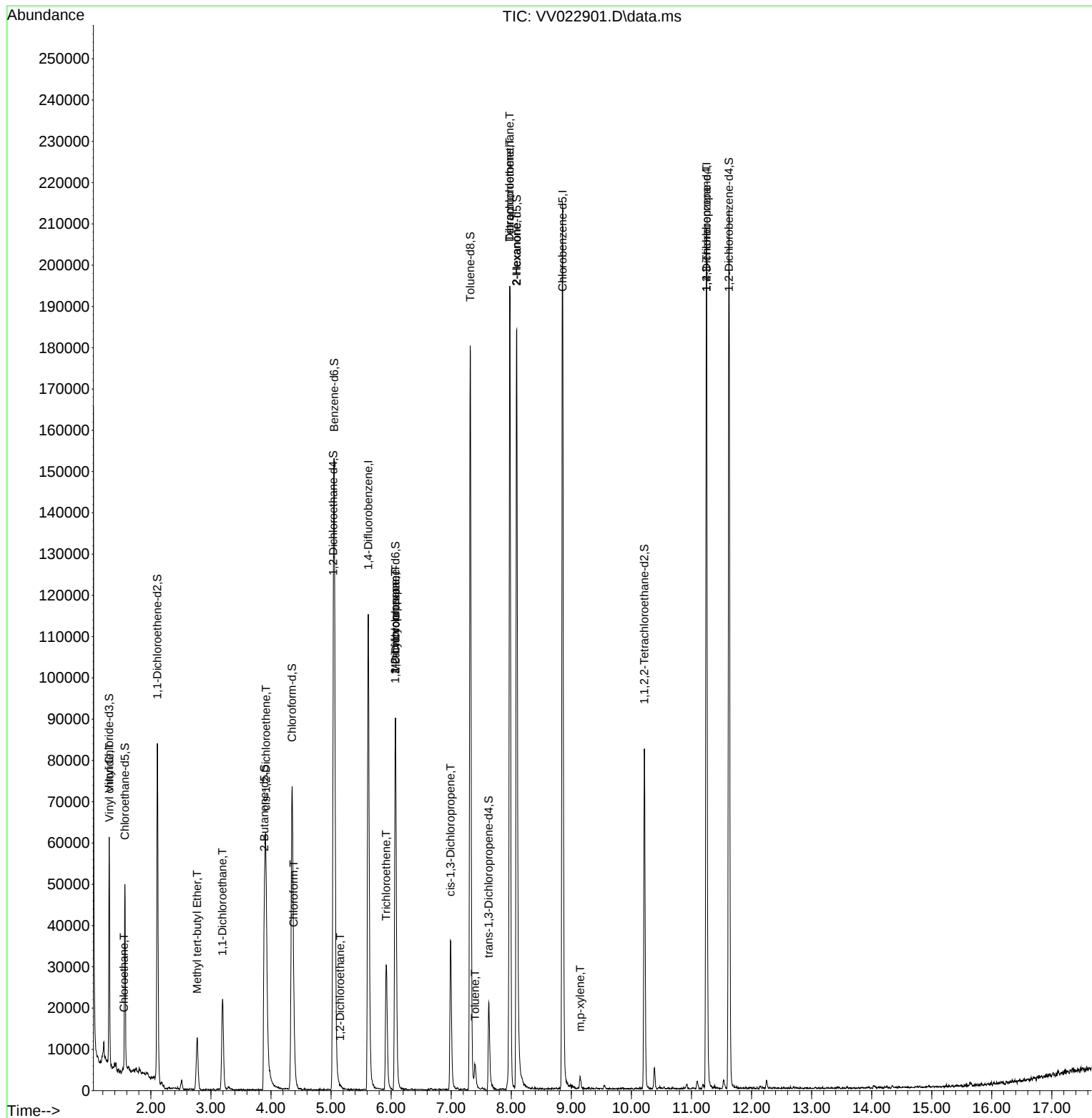
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

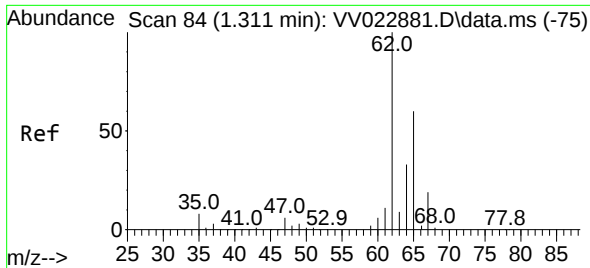
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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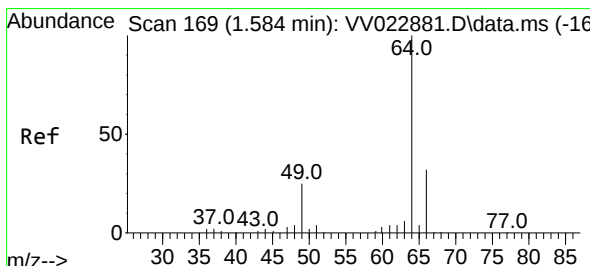
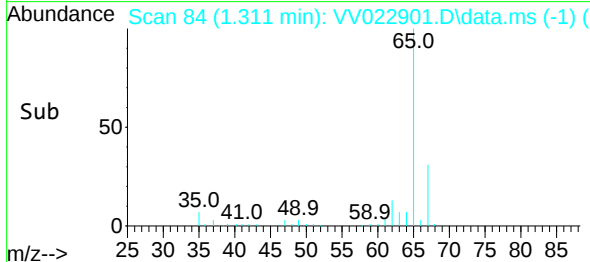
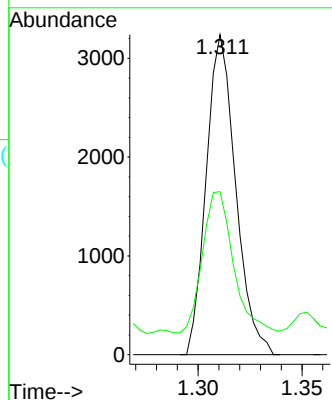
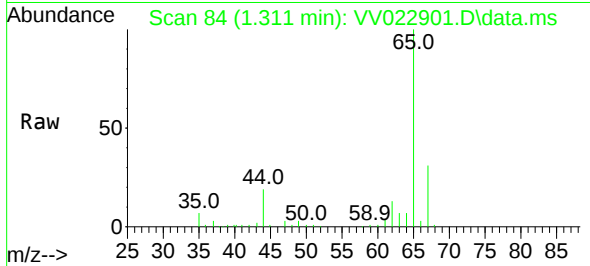




#5
 Vinyl chloride
 Concen: 0.412 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV022901.D
 Acq: 19 Oct 2021 05:29

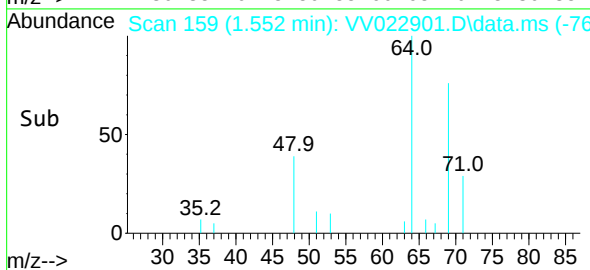
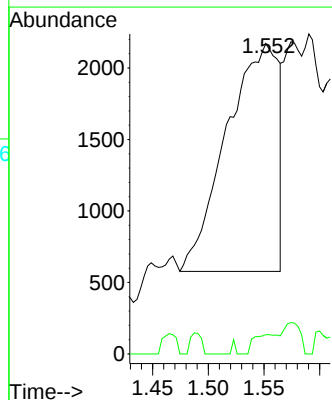
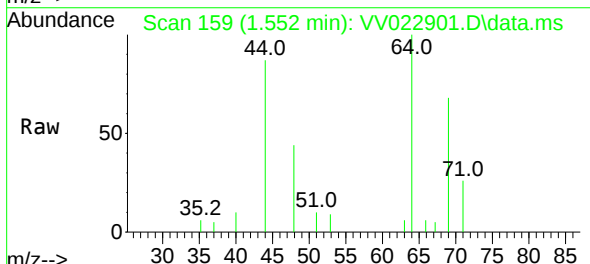
Instrument :
 MSVOA_V
 ClientSampled :

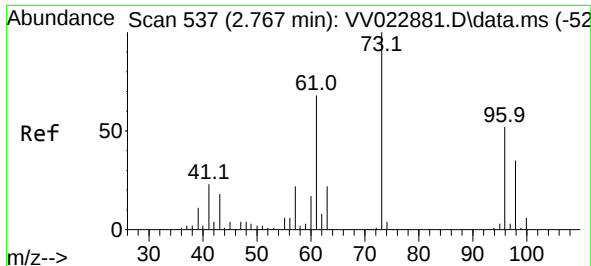
Tgt Ion: 62 Resp: 3187
 Ion Ratio Lower Upper
 62 100
 64 50.9 23.0 42.8#



#8
 Chloroethane
 Concen: 1.078 ug/L
 RT: 1.552 min Scan# 159
 Delta R.T. -0.032 min
 Lab File: VV022901.D
 Acq: 19 Oct 2021 05:29

Tgt Ion: 64 Resp: 5160
 Ion Ratio Lower Upper
 64 100
 66 6.3 22.9 42.5#



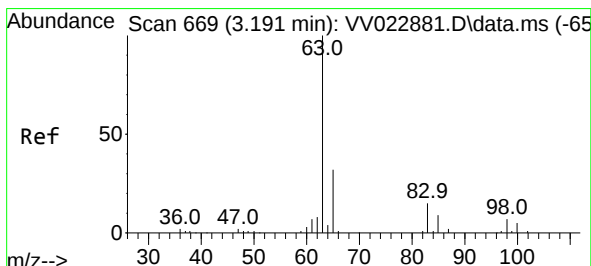
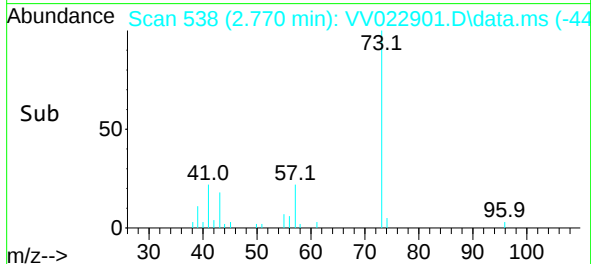
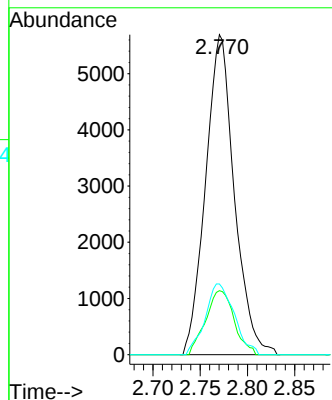
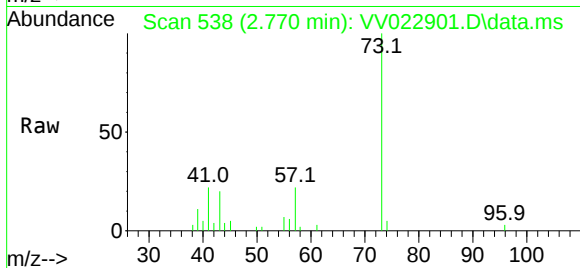


#17

Methyl tert-butyl Ether
 Concen: 0.806 ug/L
 RT: 2.770 min Scan# 538
 Delta R.T. 0.003 min
 Lab File: VV022901.D
 Acq: 19 Oct 2021 05:29

Instrument :
 MSVOA_V
 ClientSampled :

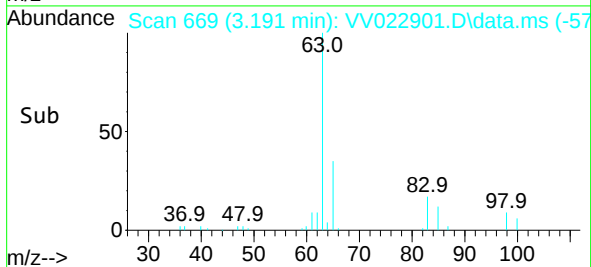
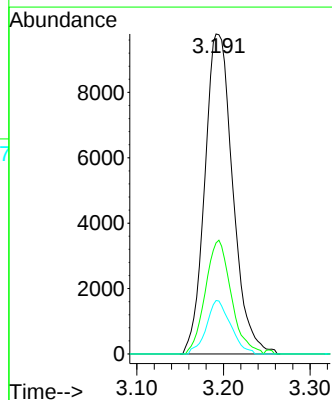
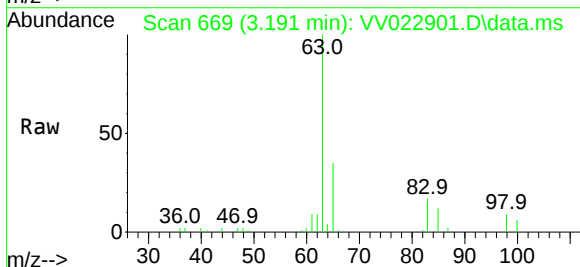
Tgt Ion: 73	Resp:	12039
Ion	Ratio	Lower Upper
73	100	
43	19.7	17.1 25.7
57	22.3	17.2 25.8

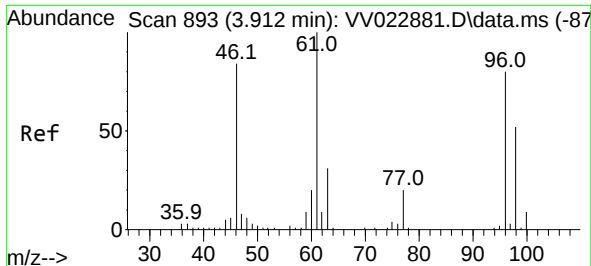


#19

1,1-Dichloroethane
 Concen: 1.814 ug/L
 RT: 3.191 min Scan# 669
 Delta R.T. 0.000 min
 Lab File: VV022901.D
 Acq: 19 Oct 2021 05:29

Tgt Ion: 63	Resp:	21940
Ion	Ratio	Lower Upper
63	100	
65	34.7	23.5 43.7
83	16.7	10.1 18.7





#22

cis-1,2-Dichloroethene

Concen: 2.958 ug/L

RT: 3.915 min Scan# 894

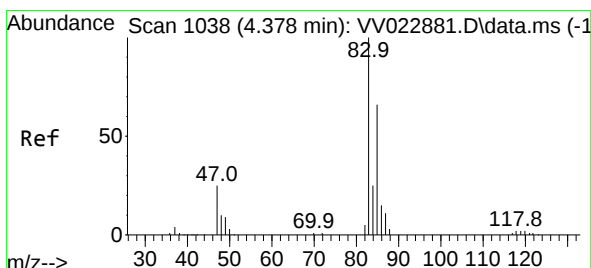
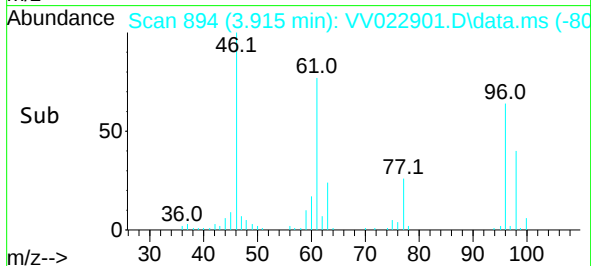
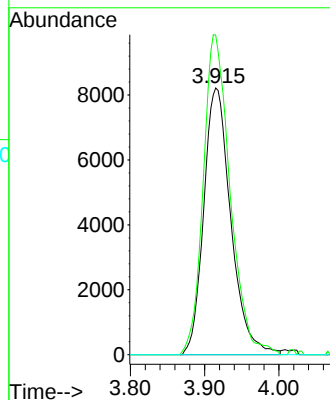
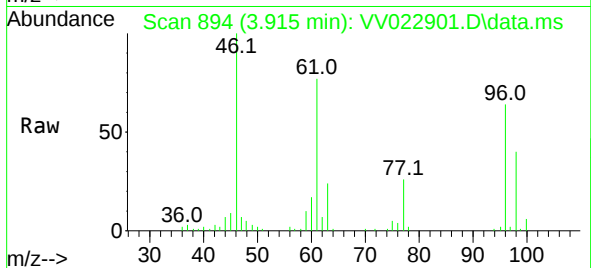
Delta R.T. 0.003 min

Lab File: VV022901.D

Acq: 19 Oct 2021 05:29

Tgt Ion: 96	Resp: 20855
Ion Ratio	Lower Upper
96 100	
61 119.8	86.0 159.6
68 0.0	0.0 0.0

Instrument :
MSVOA_V
ClientSampled :



#25

Chloroform

Concen: 0.609 ug/L

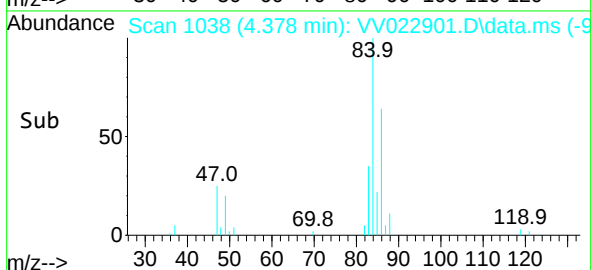
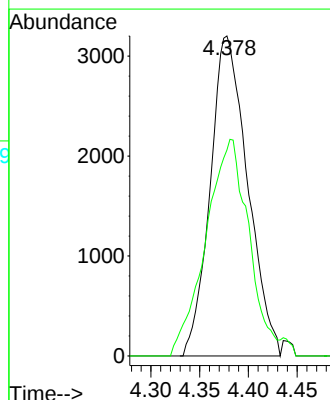
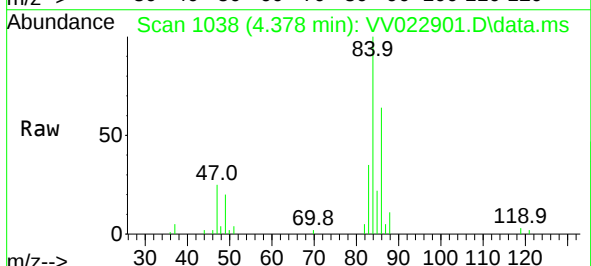
RT: 4.378 min Scan# 1038

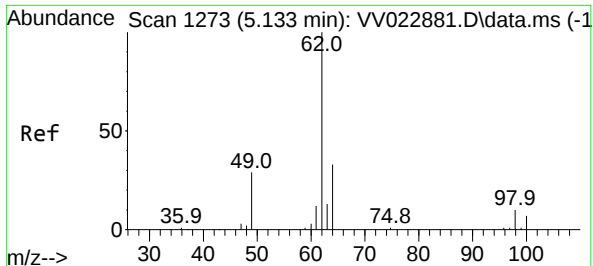
Delta R.T. 0.000 min

Lab File: VV022901.D

Acq: 19 Oct 2021 05:29

Tgt Ion: 83	Resp: 8542
Ion Ratio	Lower Upper
83 100	
85 64.4	45.7 84.9





#27

1,2-Dichloroethane

Concen: 0.122 ug/L

RT: 5.153 min Scan# 1279

Delta R.T. 0.019 min

Lab File: VV022901.D

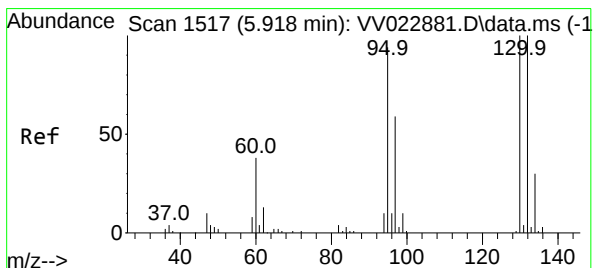
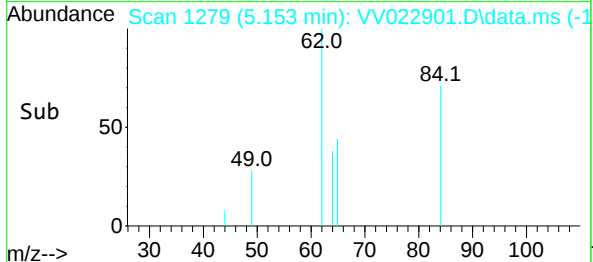
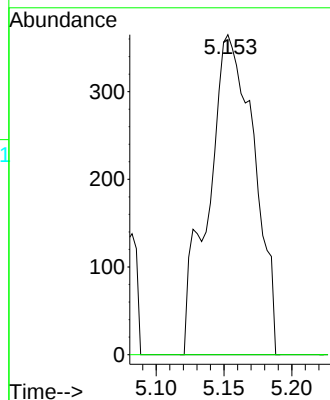
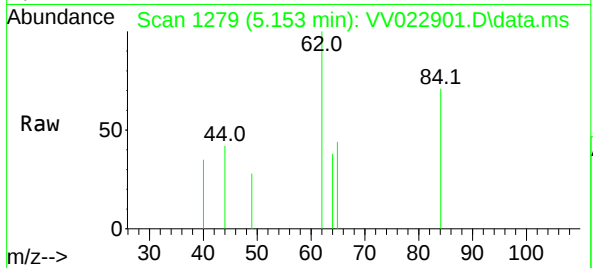
Acq: 19 Oct 2021 05:29

Tgt Ion: 62 Resp: 857

Ion Ratio Lower Upper

62 100

98 0.0 9.7 14.5#



#34

Trichloroethene

Concen: 1.229 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VV022901.D

Acq: 19 Oct 2021 05:29

Tgt Ion: 95 Resp: 11135

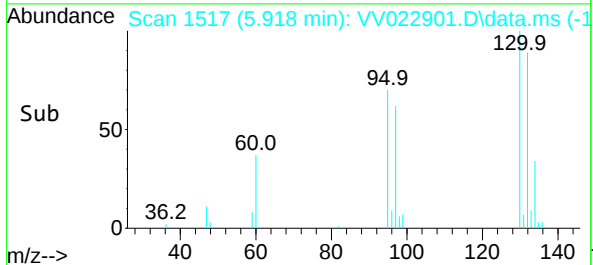
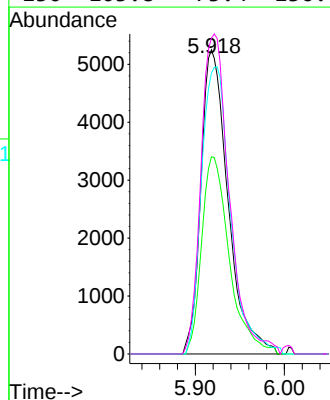
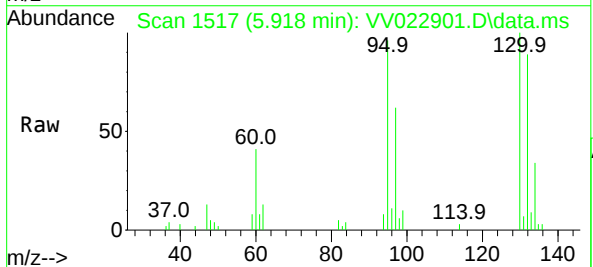
Ion Ratio Lower Upper

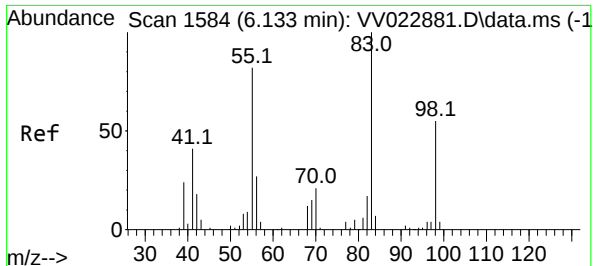
95 100

97 64.8 45.8 85.2

132 92.3 72.2 134.0

130 103.8 73.4 136.4





#35

Methylcyclohexane

Concen: 0.896 ug/L

RT: 6.072 min Scan# 1565

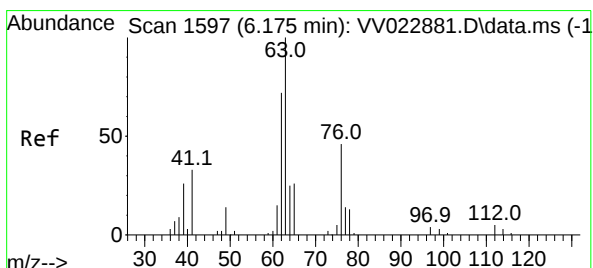
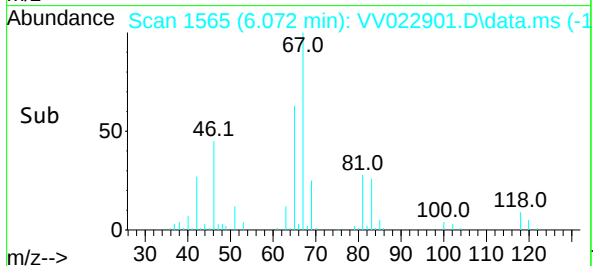
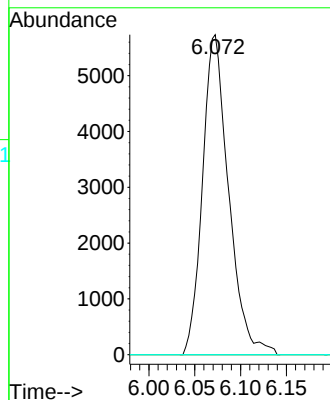
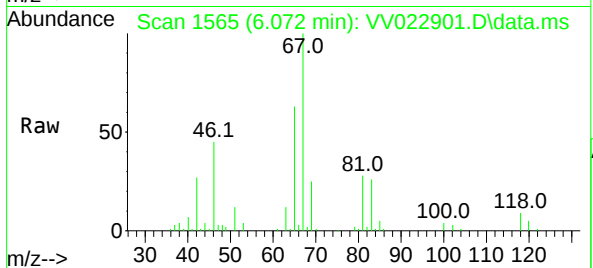
Delta R.T. -0.061 min

Lab File: VV022901.D

Acq: 19 Oct 2021 05:29

Tgt Ion:	83	Resp:	11375
Ion	Ratio	Lower	Upper
83	100		
55	0.0	63.8	95.6#
98	3.8	42.1	63.1#

Instrument :
MSVOA_V
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.633 ug/L

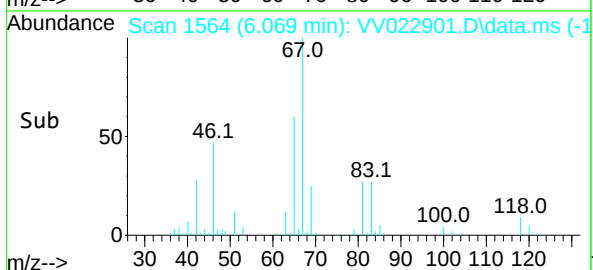
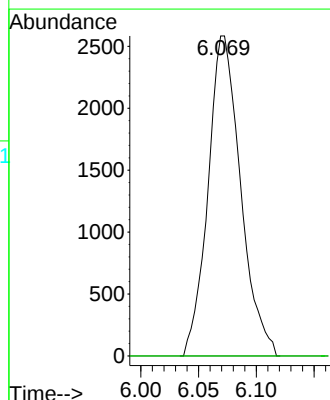
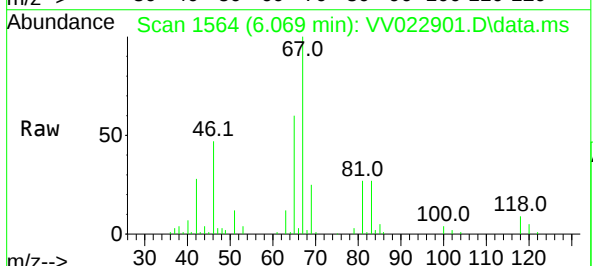
RT: 6.069 min Scan# 1564

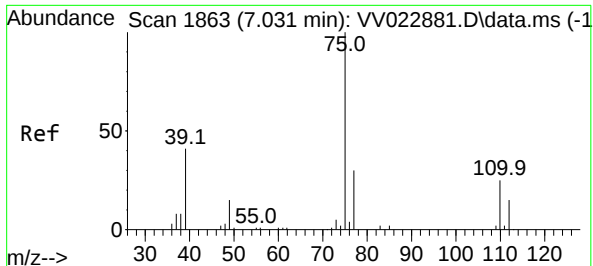
Delta R.T. -0.106 min

Lab File: VV022901.D

Acq: 19 Oct 2021 05:29

Tgt Ion:	63	Resp:	5068
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.4	6.6#

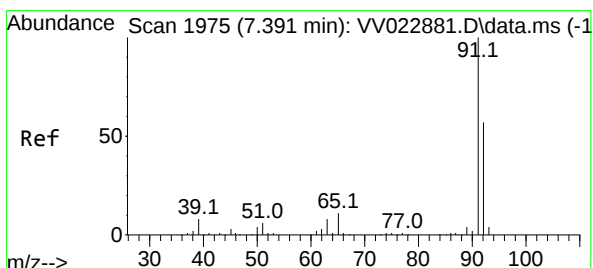
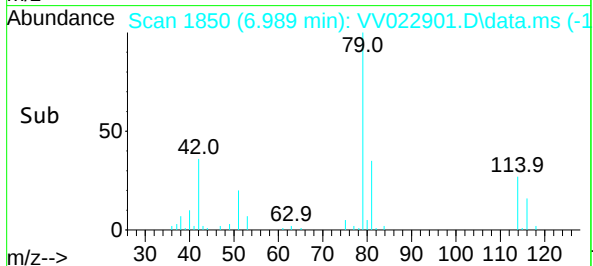
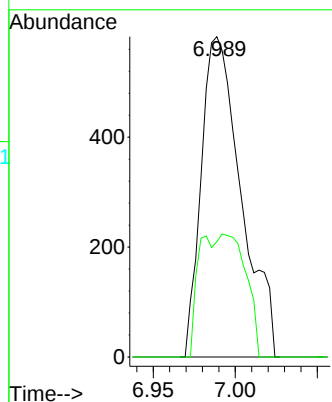
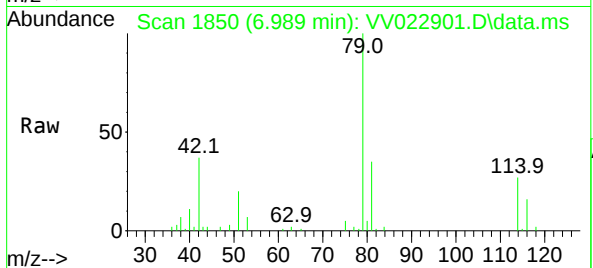




#39
 cis-1,3-Dichloropropene
 Concen: 0.093 ug/L
 RT: 6.989 min Scan# 1850
 Delta R.T. -0.042 min
 Lab File: VV022901.D
 Acq: 19 Oct 2021 05:29

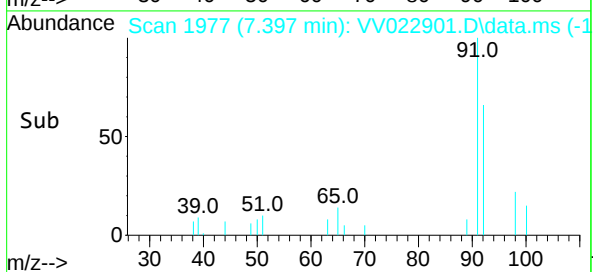
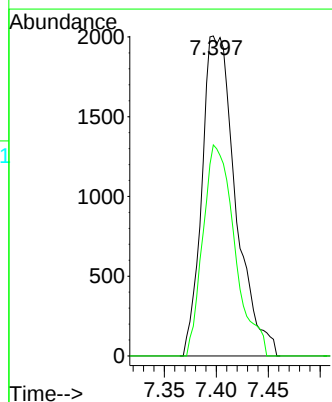
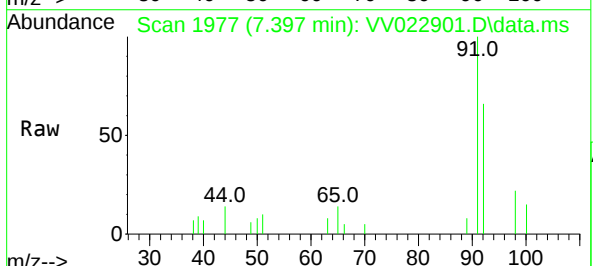
Instrument :
 MSVOA_V
 ClientSampled :

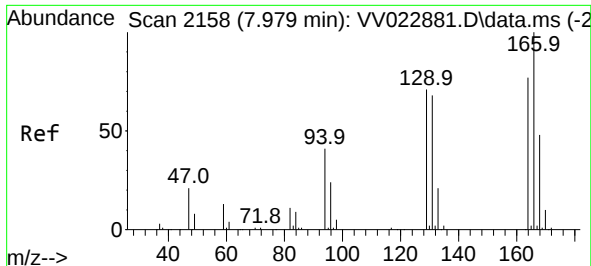
Tgt Ion: 75 Resp: 985
 Ion Ratio Lower Upper
 75 100
 77 36.0 22.3 41.3



#42
 Toluene
 Concen: 0.134 ug/L
 RT: 7.397 min Scan# 1977
 Delta R.T. 0.006 min
 Lab File: VV022901.D
 Acq: 19 Oct 2021 05:29

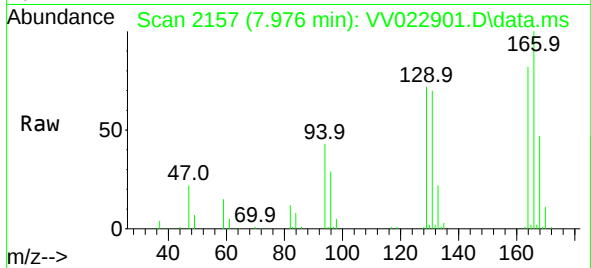
Tgt Ion: 91 Resp: 4518
 Ion Ratio Lower Upper
 91 100
 92 66.0 40.7 75.7



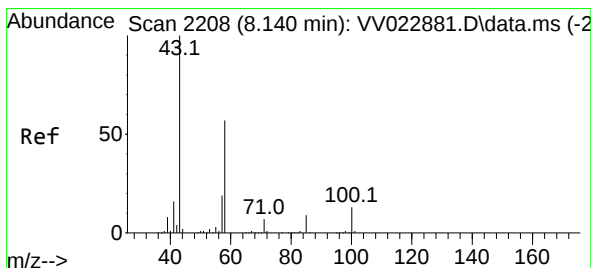
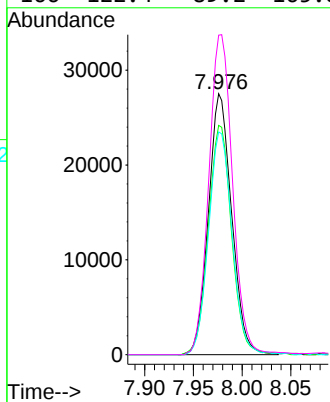
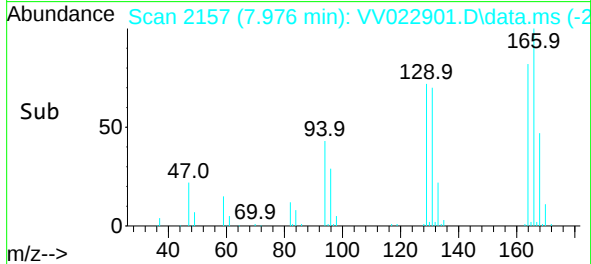


#47
Tetrachloroethene
Concen: 6.239 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.003 min
Lab File: VV022901.D
Acq: 19 Oct 2021 05:29

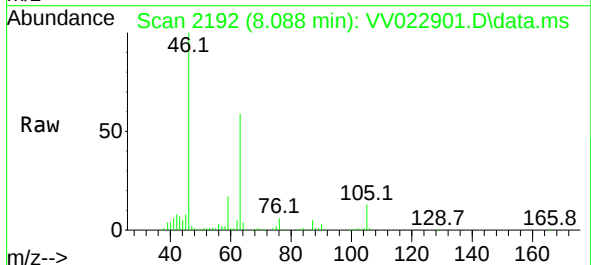
Instrument :
MSVOA_V
ClientSampleId :



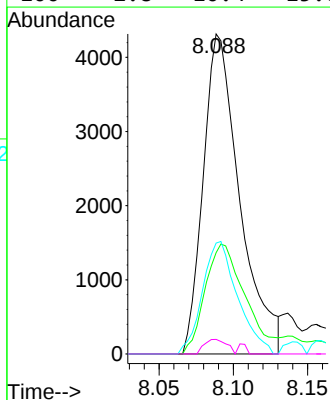
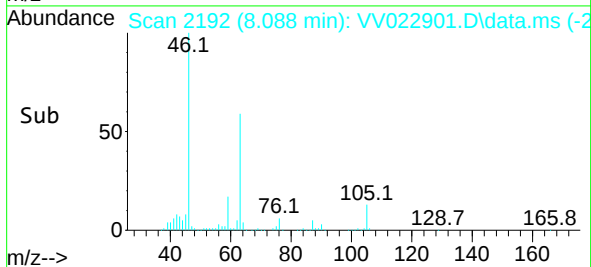
Tgt Ion:164 Resp: 45703
Ion Ratio Lower Upper
164 100
129 87.8 65.0 120.6
131 85.3 62.2 115.4
166 122.4 89.2 165.8

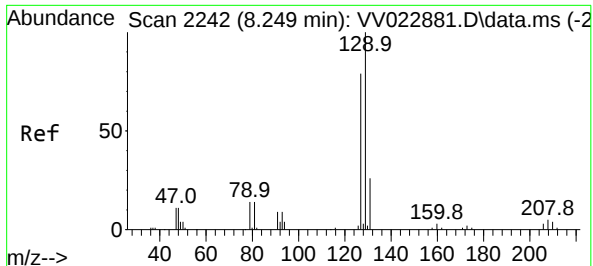


#48
2-Hexanone
Concen: 2.345 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. -0.051 min
Lab File: VV022901.D
Acq: 19 Oct 2021 05:29



Tgt Ion: 43 Resp: 7381
Ion Ratio Lower Upper
43 100
58 37.7 47.4 71.0#
57 33.9 15.3 22.9#
100 2.8 10.4 15.6#





#49

Dibromochloromethane

Concen: 5.579 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV022901.D

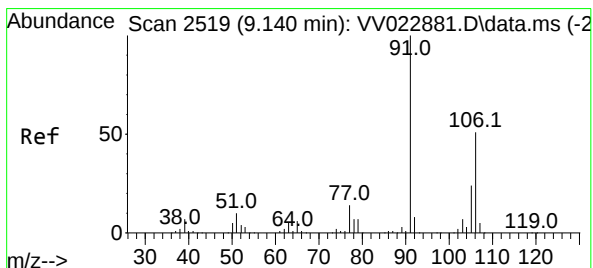
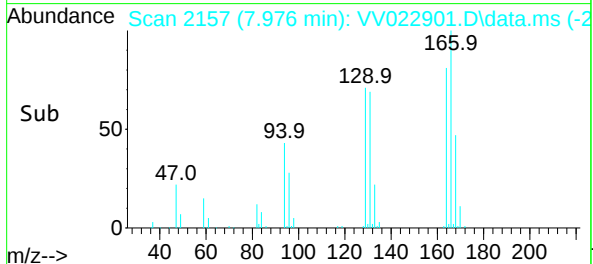
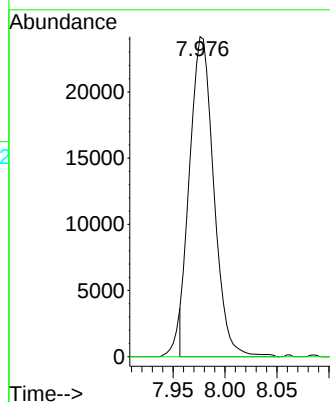
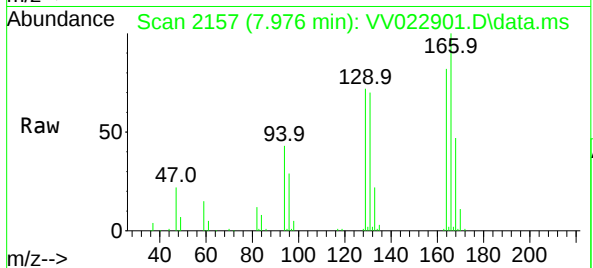
Acq: 19 Oct 2021 05:29

Tgt Ion:129 Resp: 38824

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#



#53

m,p-xylene

Concen: 0.081 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.006 min

Lab File: VV022901.D

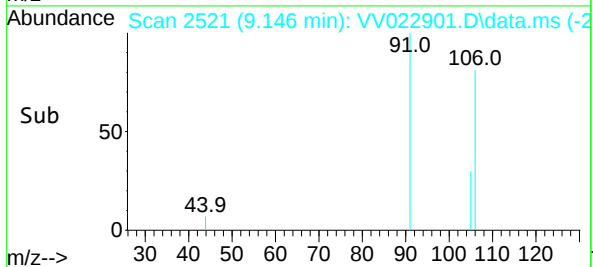
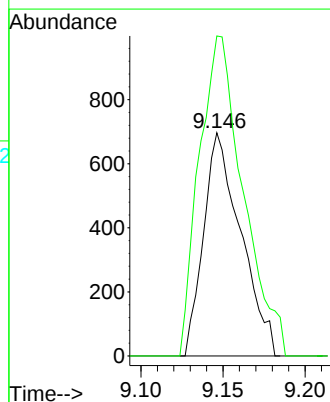
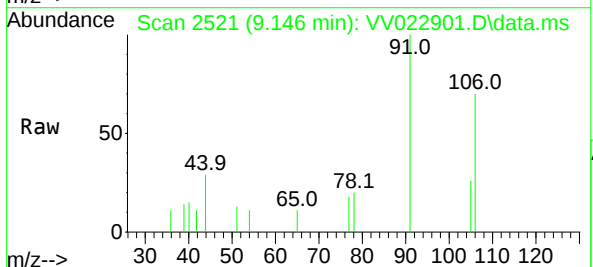
Acq: 19 Oct 2021 05:29

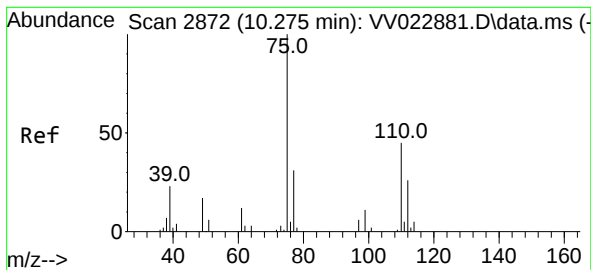
Tgt Ion:106 Resp: 1097

Ion Ratio Lower Upper

106 100

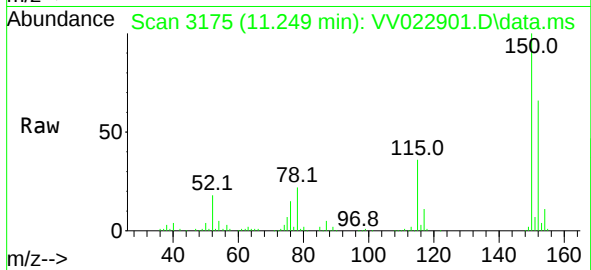
91 143.3 138.7 257.5





#61
 1,2,3-Trichloropropane
 Concen: 1.550 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.974 min
 Lab File: VV022901.D
 Acq: 19 Oct 2021 05:29

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 6129
 Ion Ratio Lower Upper
 75 100
 77 34.7 25.4 38.2
 110 3.1 34.2 51.4#

