

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VV022899.D
 Acq On : 19 Oct 2021 04:41
 Operator : SY/MD
 Sample : M4137-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 05:21:45 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	123546	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	125777	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	57296	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	32193	3.787	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.800%
7) Chloroethane-d5	1.568	69	28868	3.779	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.600%
11) 1,1-Dichloroethene-d2	2.108	63	45800	2.747	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.000%#
20) 2-Butanone-d5	3.889	46	109636	49.191	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.380%
24) Chloroform-d	4.352	84	90030	5.140	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.037	65	41941	4.933	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	5.053	84	174089	4.649	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.072	67	55991	5.049	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.317	98	142757	4.410	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	7.625	79	15821	4.301	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.088	63	87213	58.833	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.660%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	41523	5.528	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	57373	5.401	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	1163	0.124	ug/L #	22
12) 1,1-Dichloroethene	2.108	96	630	0.084	ug/L #	1
13) Acetone	2.362	43	4040	3.251	ug/L	88
15) Methyl Acetate	2.436	43	1360	0.382	ug/L #	50
17) Methyl tert-butyl Ether	2.767	73	4009	0.222	ug/L	96
22) cis-1,2-Dichloroethene	3.912	96	58750	6.894	ug/L	96
34) Trichloroethene	5.918	95	18921	2.054	ug/L	99
35) Methylcyclohexane	6.075	83	13799	1.069	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	5784	0.710	ug/L #	84
39) cis-1,3-Dichloropropene	6.998	75	1129	0.105	ug/L #	58
42) Toluene	7.397	91	7231	0.210	ug/L	87
45) 1,1,2-Trichloroethane	7.972	97	610	0.101	ug/L #	1
47) Tetrachloroethene	7.976	164	86785	11.649	ug/L	100
48) 2-Hexanone	8.088	43	10302	3.219	ug/L #	69
49) Dibromochloromethane	7.976	129	75565	10.677	ug/L #	7
53) m,p-xylene	9.146	106	1417	0.103	ug/L	81
61) 1,2,3-Trichloropropane	11.181	75	308	0.077	ug/L #	37
64) 1,3-Dichlorobenzene	11.191	146	1513	0.099	ug/L	85
65) 1,4-Dichlorobenzene	11.275	146	1760	0.113	ug/L	91

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ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Oct 19 05:21:45 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

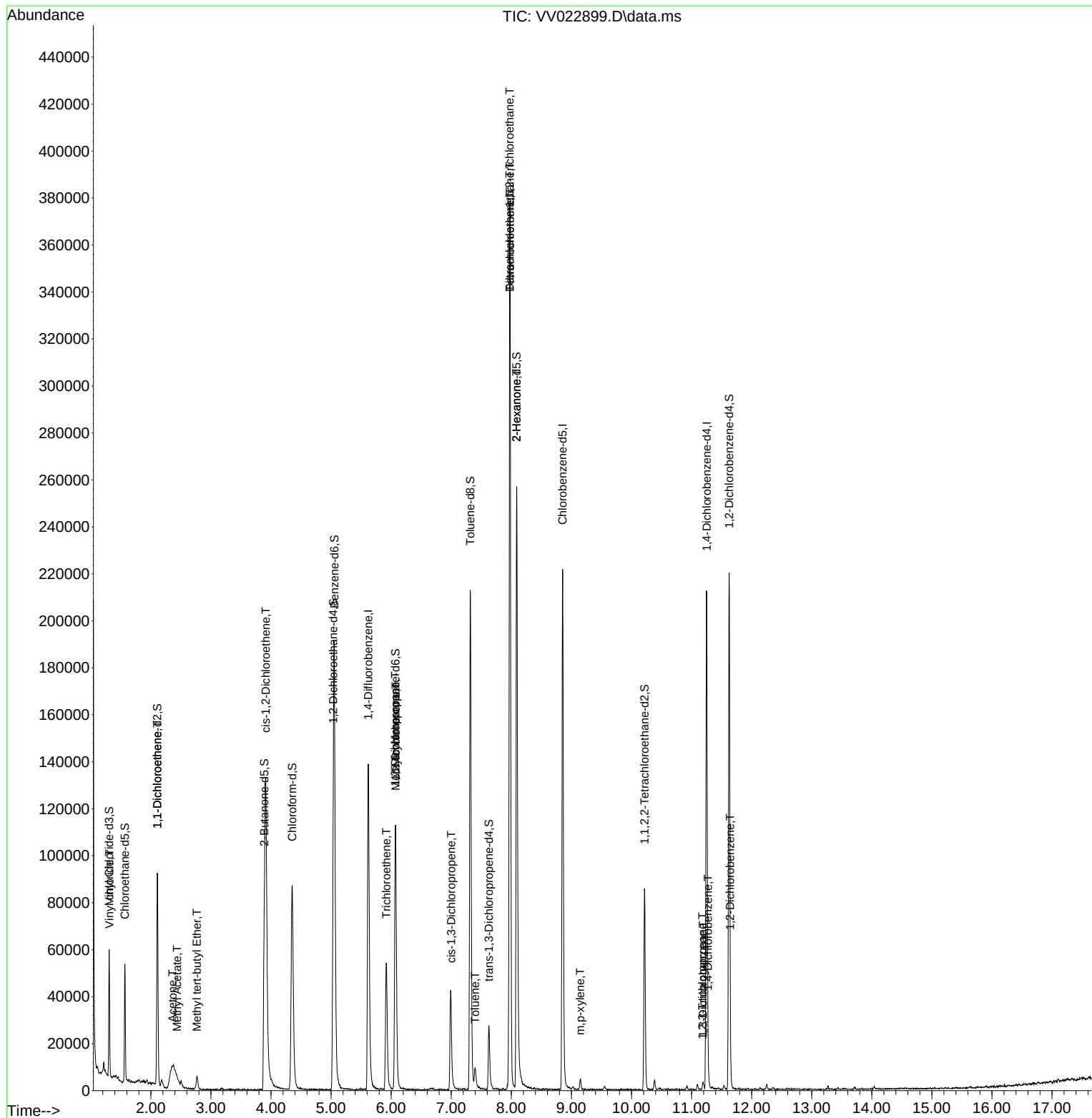
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.644	146	1773	0.124	ug/L	93

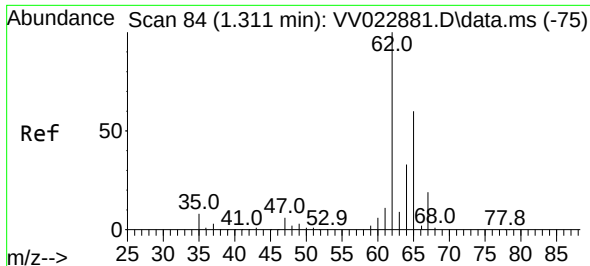
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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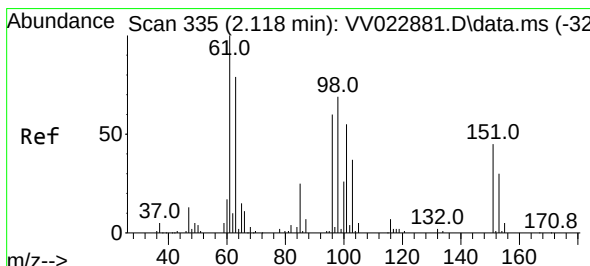
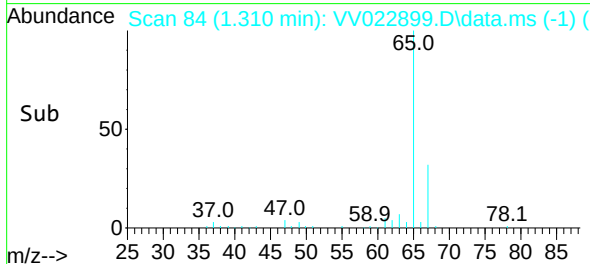
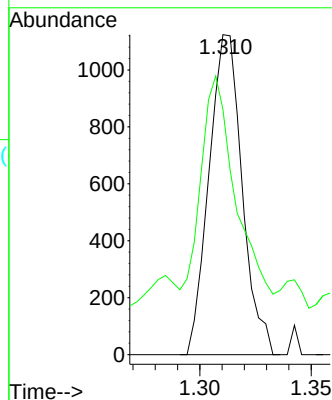
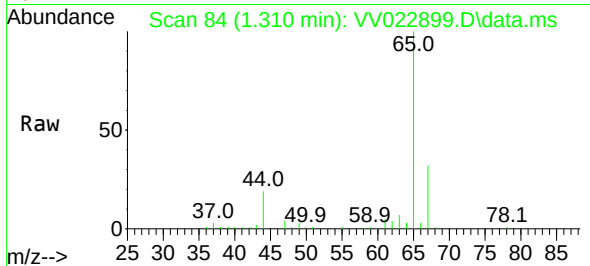




#5
 Vinyl chloride
 Concen: 0.124 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV022899.D
 Acq: 19 Oct 2021 04:41

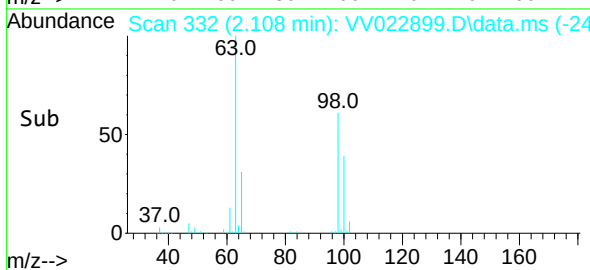
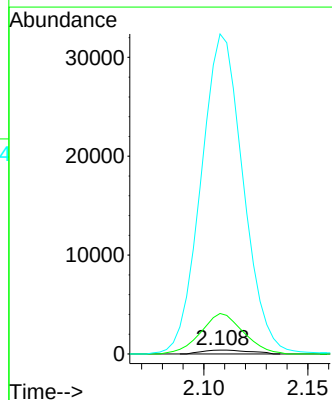
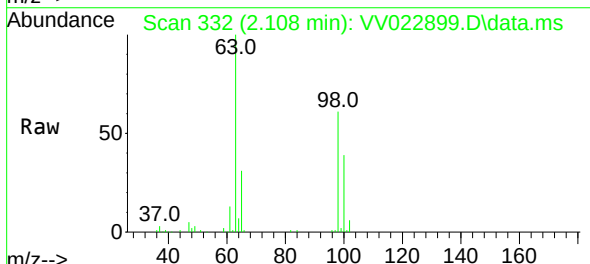
Instrument :
 MSVOA_V
 ClientSampled :

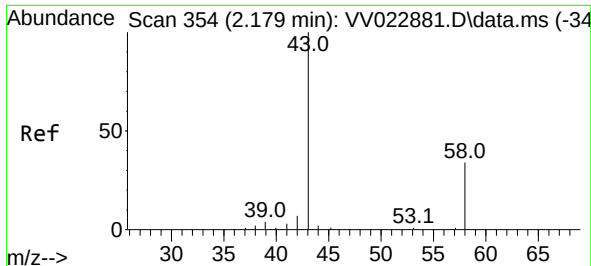
Tgt Ion: 62 Resp: 1163
 Ion Ratio Lower Upper
 62 100
 64 76.7 23.0 42.8#



#12
 1,1-Dichloroethene
 Concen: 0.084 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. -0.010 min
 Lab File: VV022899.D
 Acq: 19 Oct 2021 04:41

Tgt Ion: 96 Resp: 630
 Ion Ratio Lower Upper
 96 100
 61 1046.7 127.3 236.5#
 63 8257.1 106.2 197.2#

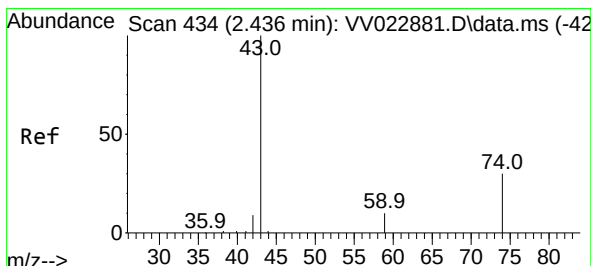
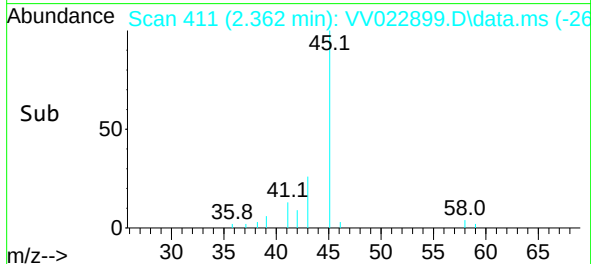
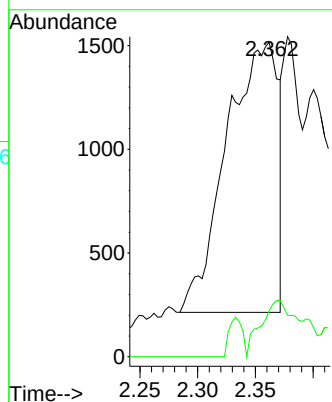
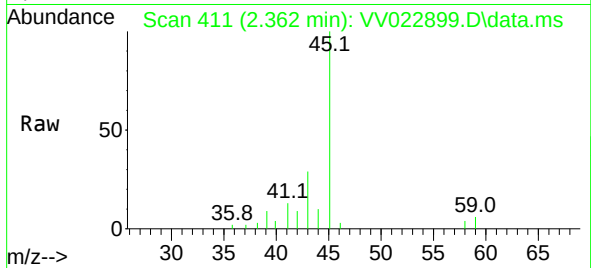




#13
Acetone
Concen: 3.251 ug/L
RT: 2.362 min Scan# 411
Delta R.T. 0.183 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

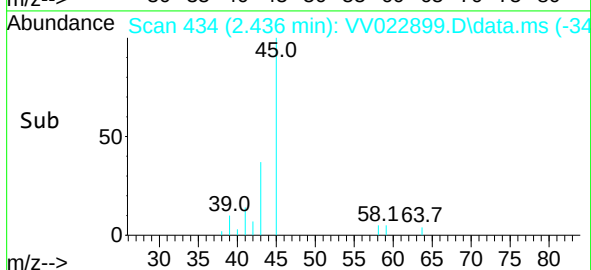
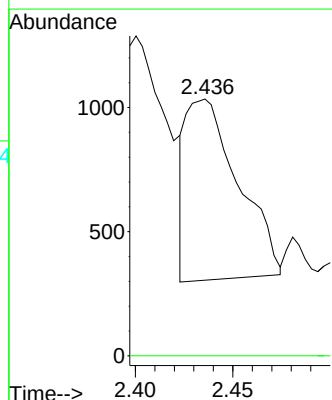
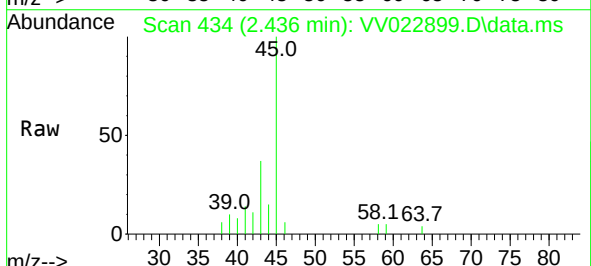
Instrument :
MSVOA_V
ClientSampled :

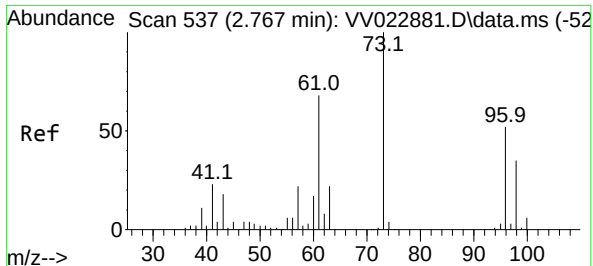
Tgt Ion: 43 Resp: 4040
Ion Ratio Lower Upper
43 100
58 16.7 0.0 24.2



#15
Methyl Acetate
Concen: 0.382 ug/L
RT: 2.436 min Scan# 434
Delta R.T. -0.000 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

Tgt Ion: 43 Resp: 1360
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#

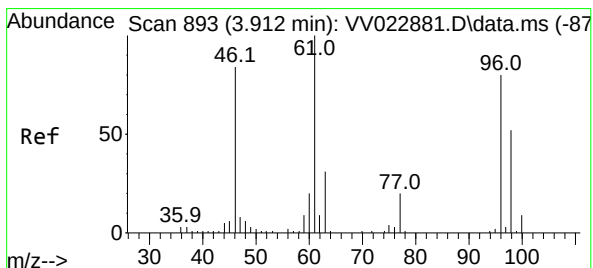
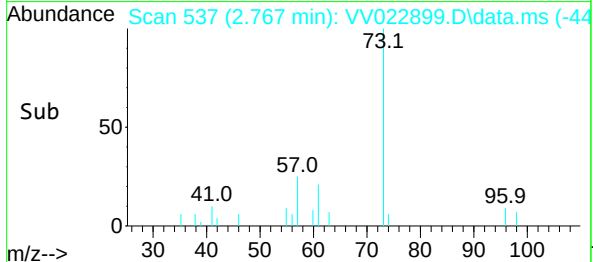
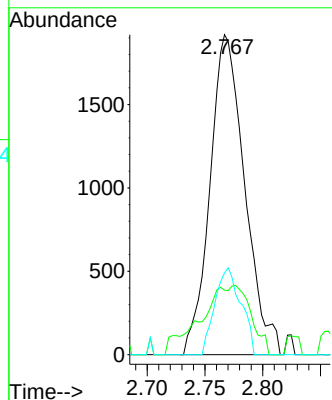
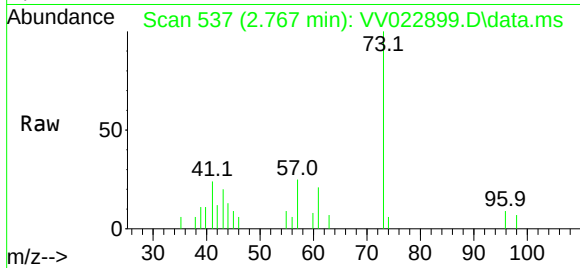




#17
Methyl tert-butyl Ether
Concen: 0.222 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.000 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

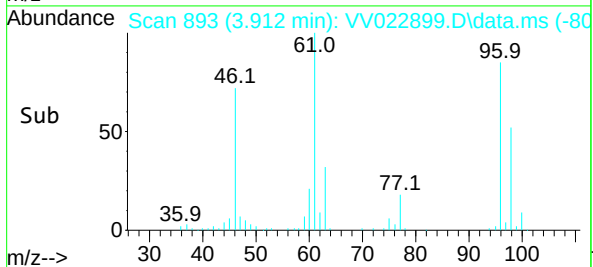
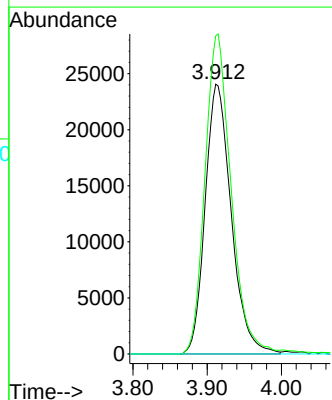
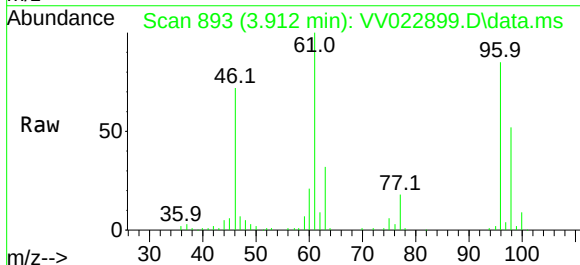
Instrument :
MSVOA_V
ClientSampled :

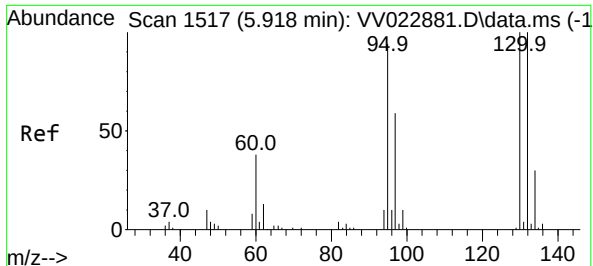
Tgt Ion: 73	Resp:	4009
Ion Ratio	Lower	Upper
73	100	
43	18.5	17.1 25.7
57	20.3	17.2 25.8



#22
cis-1,2-Dichloroethene
Concen: 6.894 ug/L
RT: 3.912 min Scan# 893
Delta R.T. -0.000 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

Tgt Ion: 96	Resp:	58750
Ion Ratio	Lower	Upper
96	100	
61	117.9	86.0 159.6
68	0.0	0.0 0.0



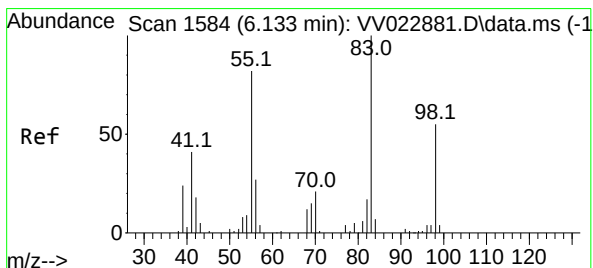
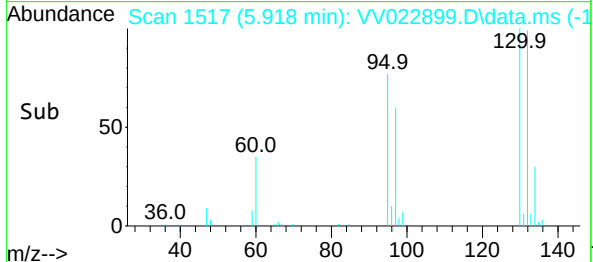
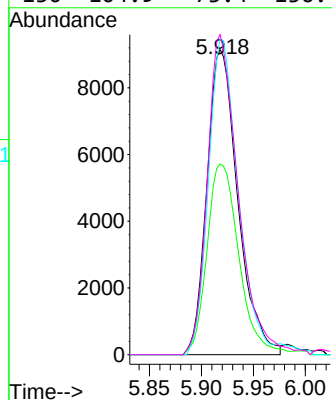
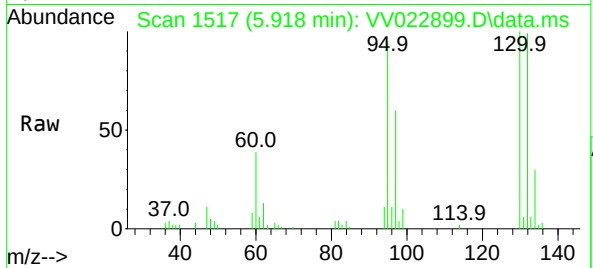


#34
Trichloroethene
Concen: 2.054 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 95 Resp: 18921

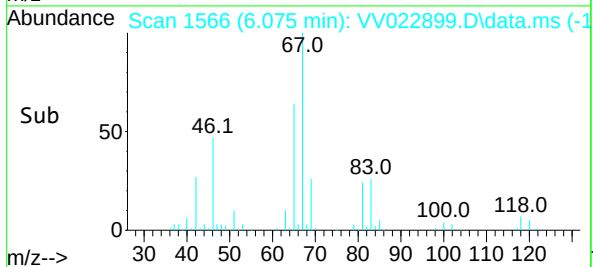
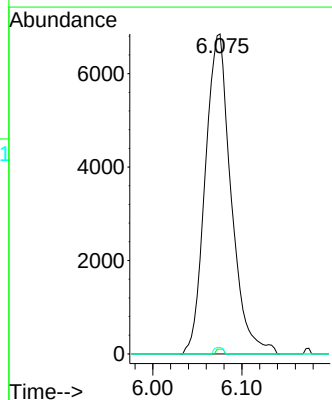
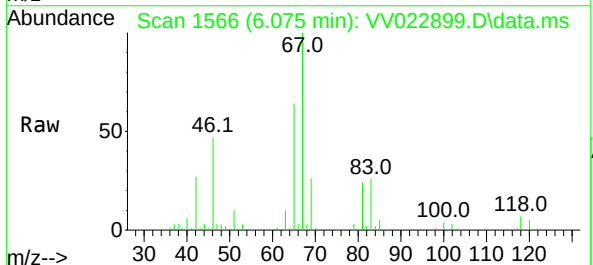
Ion	Ratio	Lower	Upper
95	100		
97	62.5	45.8	85.2
132	103.5	72.2	134.0
130	104.9	73.4	136.4

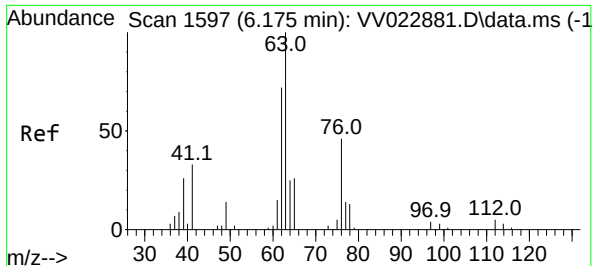


#35
Methylcyclohexane
Concen: 1.069 ug/L
RT: 6.075 min Scan# 1566
Delta R.T. -0.058 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

Tgt Ion: 83 Resp: 13799

Ion	Ratio	Lower	Upper
83	100		
55	0.4	63.8	95.6#
98	0.7	42.1	63.1#



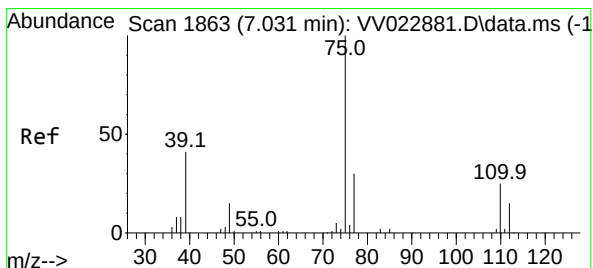
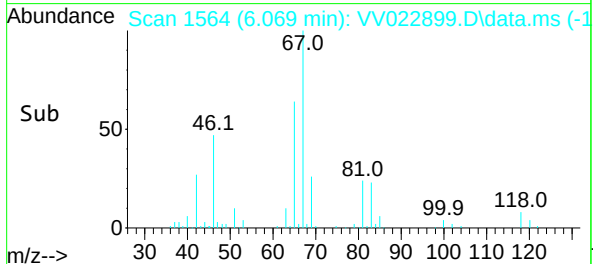
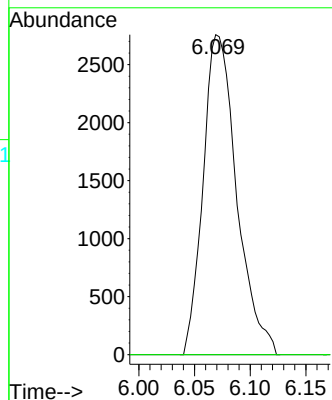
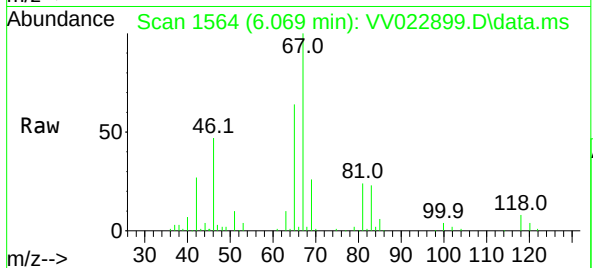


#37

1,2-Dichloropropane
Concen: 0.710 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.106 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

Instrument :
MSVOA_V
ClientSampled :

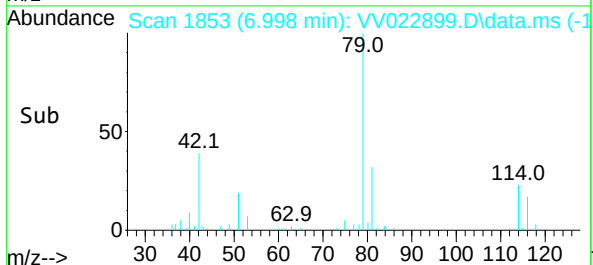
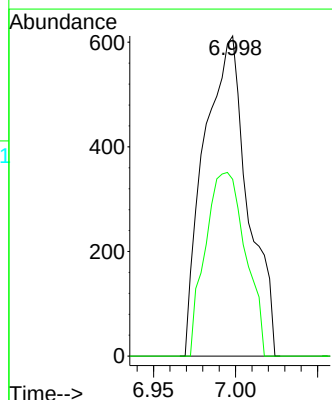
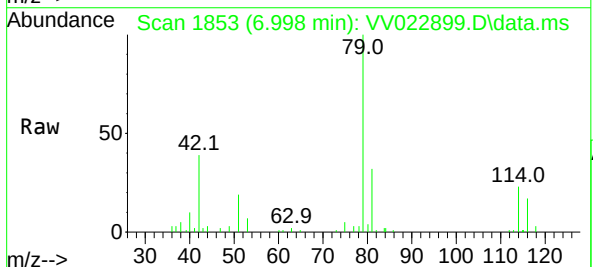
Tgt Ion: 63 Resp: 5784
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#

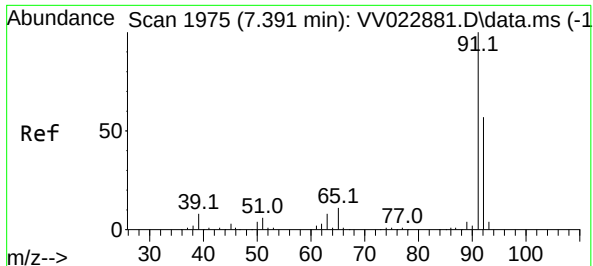


#39

cis-1,3-Dichloropropene
Concen: 0.105 ug/L
RT: 6.998 min Scan# 1853
Delta R.T. -0.032 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

Tgt Ion: 75 Resp: 1129
Ion Ratio Lower Upper
75 100
77 55.2 22.3 41.3#

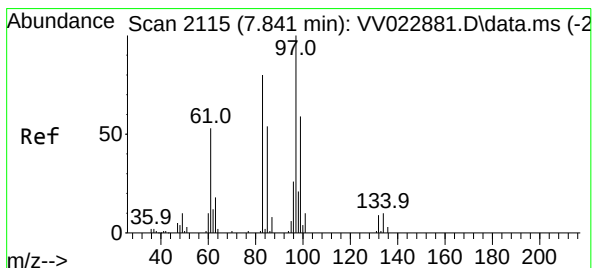
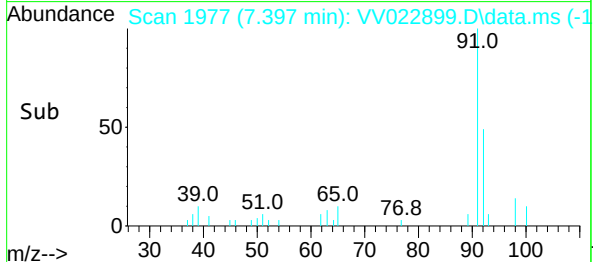
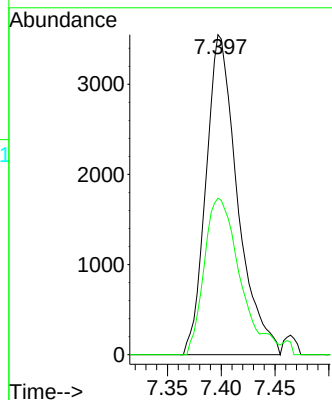
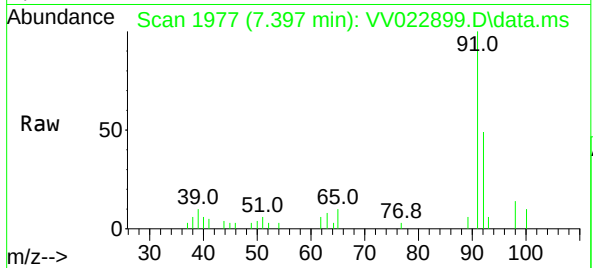




#42
Toluene
Concen: 0.210 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

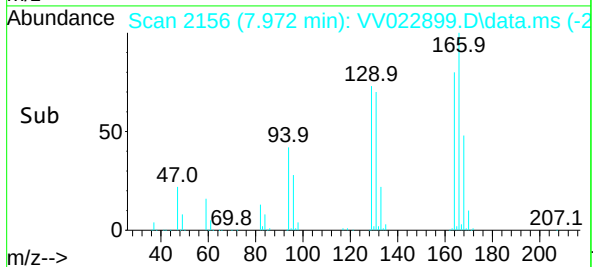
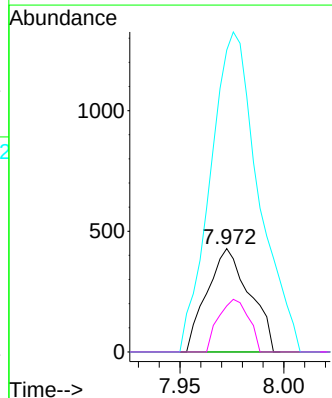
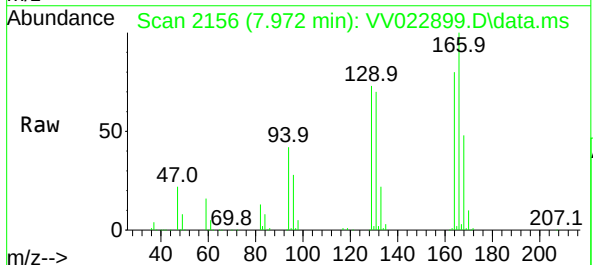
Instrument :
MSVOA_V
ClientSampled :

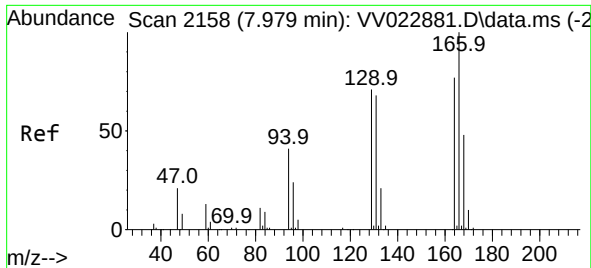
Tgt Ion: 91 Resp: 7231
Ion Ratio Lower Upper
91 100
92 48.9 40.7 75.7



#45
1,1,2-Trichloroethane
Concen: 0.101 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.132 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

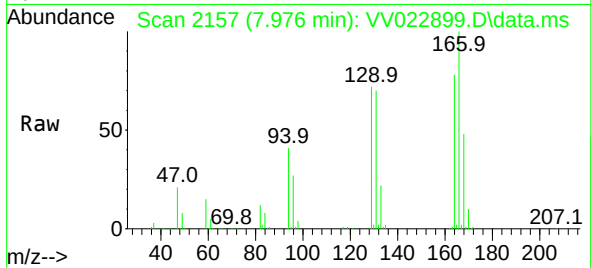
Tgt Ion: 97 Resp: 610
Ion Ratio Lower Upper
97 100
99 0.0 44.5 82.7#
83 292.3 56.6 105.0#
85 44.6 37.2 69.0



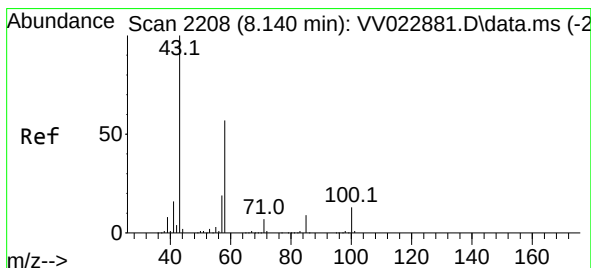
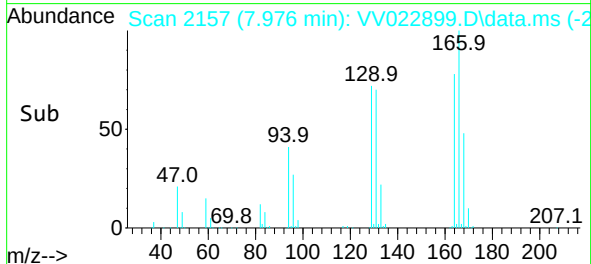
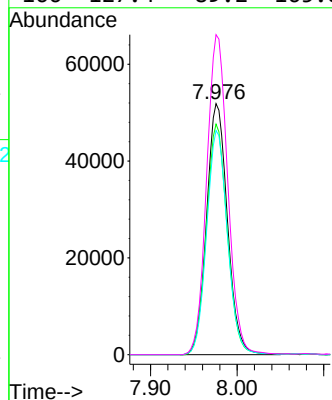


#47
Tetrachloroethene
Concen: 11.649 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.003 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

Instrument :
MSVOA_V
ClientSampled :

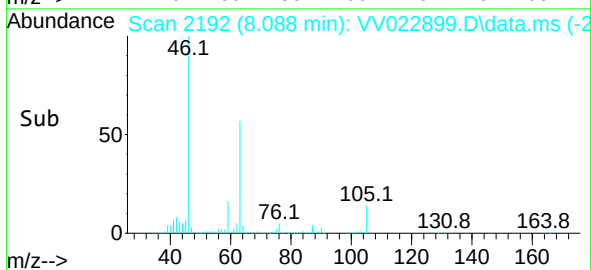
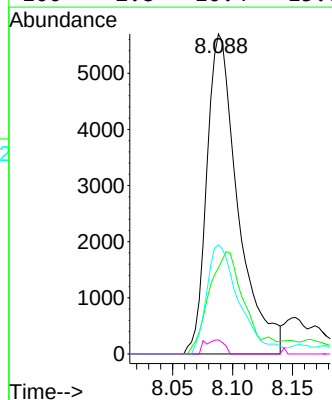
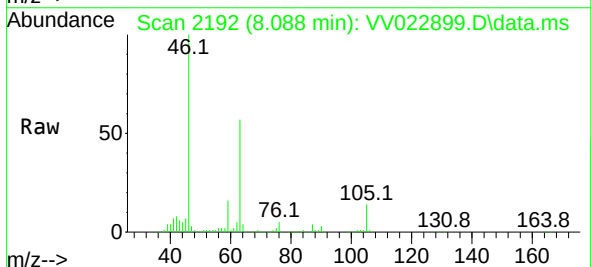


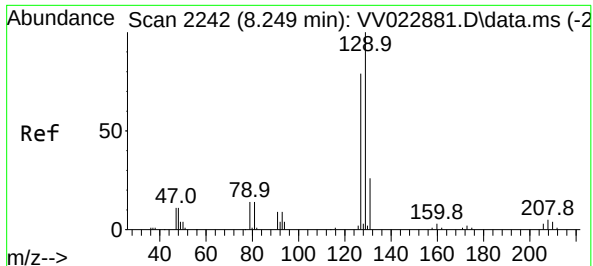
Tgt Ion	Ratio	Lower	Upper
164	100		
129	91.8	65.0	120.6
131	89.3	62.2	115.4
166	127.4	89.2	165.8



#48
2-Hexanone
Concen: 3.219 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. -0.052 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	47.4	71.0#
57	35.8	15.3	22.9#
100	2.8	10.4	15.6#





#49

Dibromochloromethane

Concen: 10.677 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV022899.D

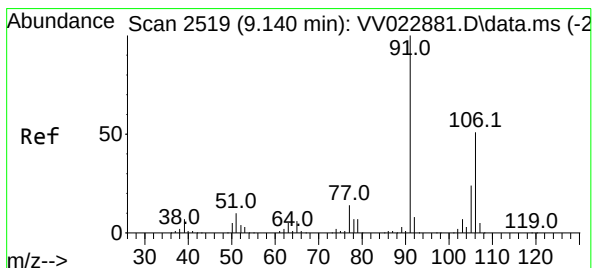
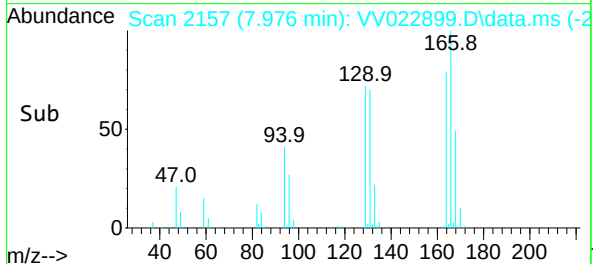
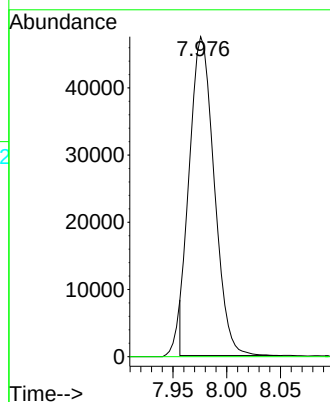
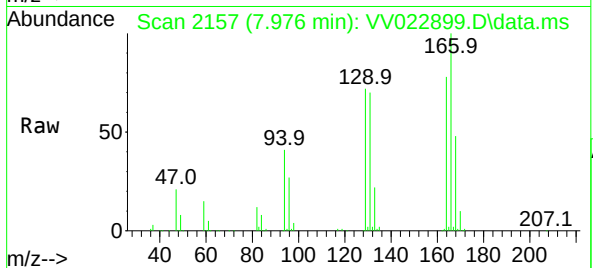
Acq: 19 Oct 2021 04:41

Tgt Ion:129 Resp: 75565

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#



#53

m,p-xylene

Concen: 0.103 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.006 min

Lab File: VV022899.D

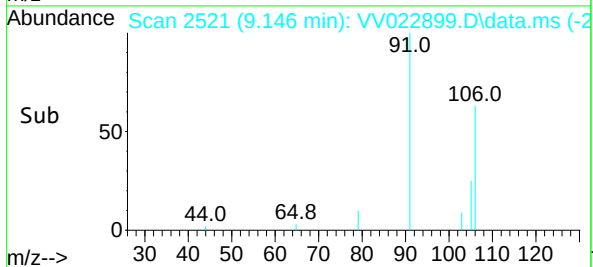
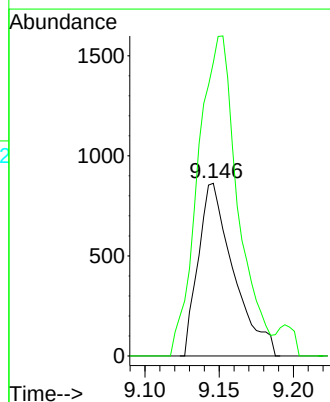
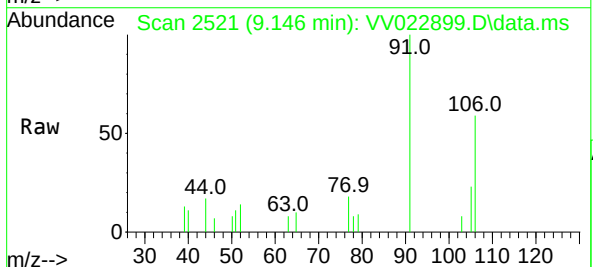
Acq: 19 Oct 2021 04:41

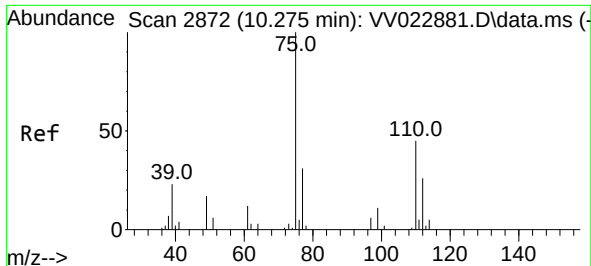
Tgt Ion:106 Resp: 1417

Ion Ratio Lower Upper

106 100

91 169.9 138.7 257.5

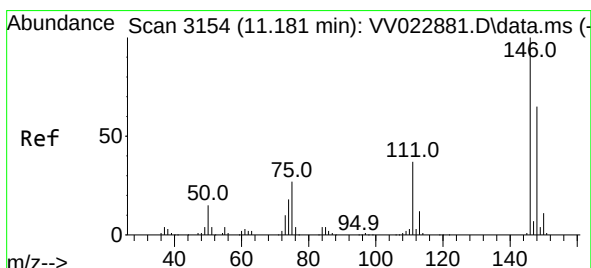
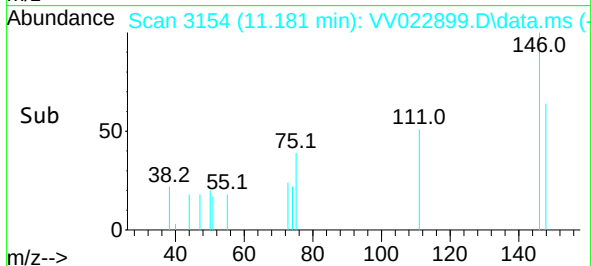
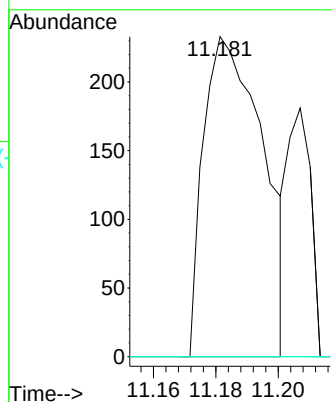
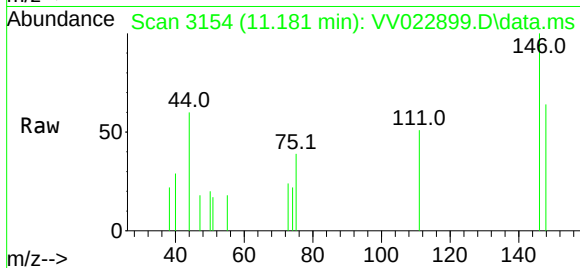




#61
1,2,3-Trichloropropane
Concen: 0.077 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.907 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

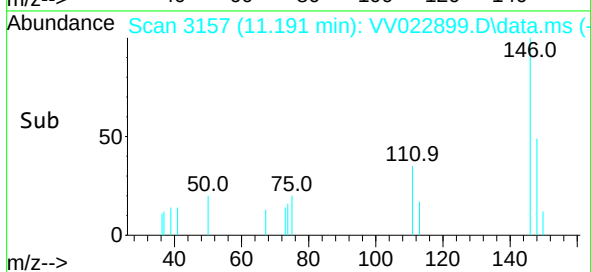
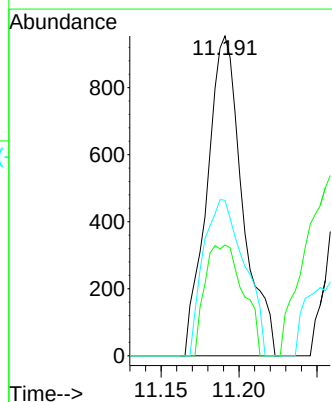
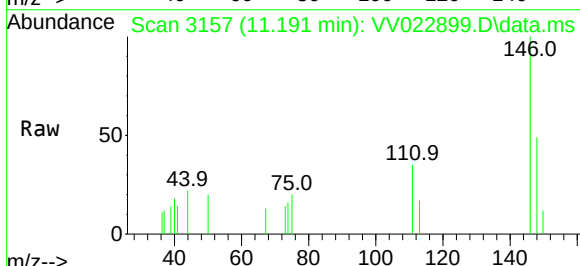
Instrument :
MSVOA_V
ClientSampled :

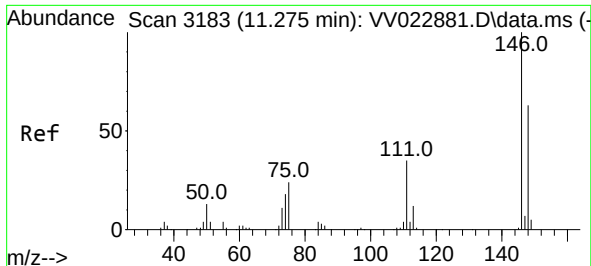
Tgt Ion: 75 Resp: 308
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
110 0.0 34.2 51.4#



#64
1,3-Dichlorobenzene
Concen: 0.099 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.010 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

Tgt Ion: 146 Resp: 1513
Ion Ratio Lower Upper
146 100
111 34.7 26.7 49.5
148 48.6 45.1 83.9

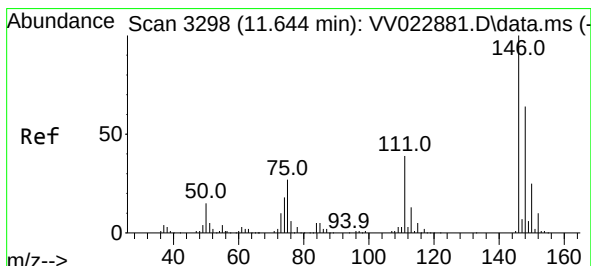
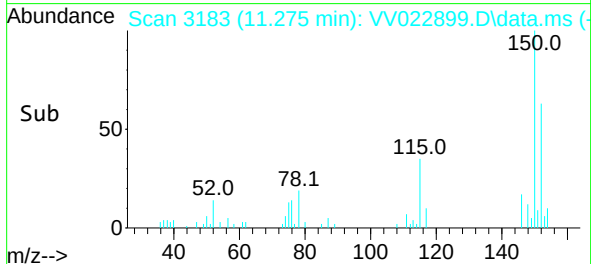
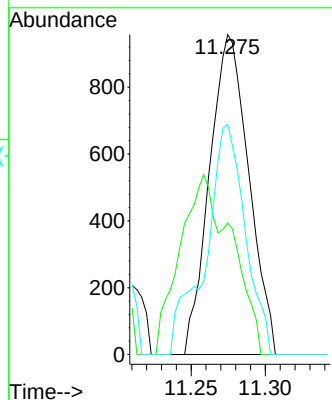
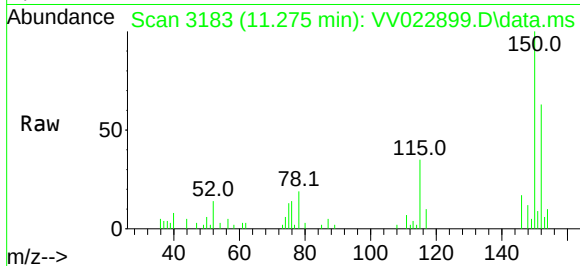




#65
1,4-Dichlorobenzene
Concen: 0.113 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. -0.000 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion:146 Resp: 1760
Ion Ratio Lower Upper
146 100
111 41.1 25.6 47.4
148 71.9 44.9 83.5



#67
1,2-Dichlorobenzene
Concen: 0.124 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV022899.D
Acq: 19 Oct 2021 04:41

Tgt Ion:146 Resp: 1773
Ion Ratio Lower Upper
146 100
111 45.9 32.3 48.5
148 70.0 52.1 78.1

