

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101521\
 Data File : VW022840.D
 Acq On : 15 Oct 2021 16:43
 Operator : SY/MD
 Sample : M4223-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 05:29:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 16 05:27:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	96291	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	99334	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50707	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	35222	5.317	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.400%
7) Chloroethane-d5	1.568	69	31208	5.242	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.800%
11) 1,1-Dichloroethene-d2	2.108	63	42419	3.264	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.200%
20) 2-Butanone-d5	3.886	46	74960	43.153	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.300%
24) Chloroform-d	4.352	84	68807	5.040	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.037	65	33463	5.050	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	5.053	84	131458	4.446	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.069	67	39823	4.547	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.320	98	115914	4.534	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	7.625	79	13020	4.482	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.088	63	65711	56.128	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.260%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31099	5.242	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	49585	5.274	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.400%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.111	96	473	0.081	ug/L #	1
13) Acetone	2.179	43	22713	23.448	ug/L #	47
15) Methyl Acetate	2.179	43	20973	7.567	ug/L #	50
17) Methyl tert-butyl Ether	2.767	73	18672	1.327	ug/L	97
18) trans-1,2-Dichloroethene	2.770	96	662	0.105	ug/L	84
22) cis-1,2-Dichloroethene	3.915	96	15214	2.291	ug/L	91
27) 1,2-Dichloroethane	5.047	62	971	0.147	ug/L #	69
34) Trichloroethene	5.921	95	7983	1.097	ug/L	97
35) Methylcyclohexane	6.072	83	10391	1.019	ug/L #	16
37) 1,2-Dichloropropane	6.069	63	4623	0.718	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	940	0.110	ug/L #	55
42) Toluene	7.400	91	5031	0.185	ug/L	92
45) 1,1,2-Trichloroethane	7.969	97	642	0.134	ug/L #	13
47) Tetrachloroethene	7.976	164	76298	12.967	ug/L	99
48) 2-Hexanone	8.088	43	7596	3.005	ug/L #	67
49) Dibromochloromethane	7.976	129	68303	12.220	ug/L #	7
53) m,p-xylene	9.149	106	932	0.086	ug/L	92
61) 1,2,3-Trichloropropane	11.249	75	5186	1.472	ug/L #	60
62) 1,3,5-Trimethylbenzene	10.921	105	1830	0.088	ug/L	95

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Oct 16 05:27:41 2021
Response via : Initial Calibration

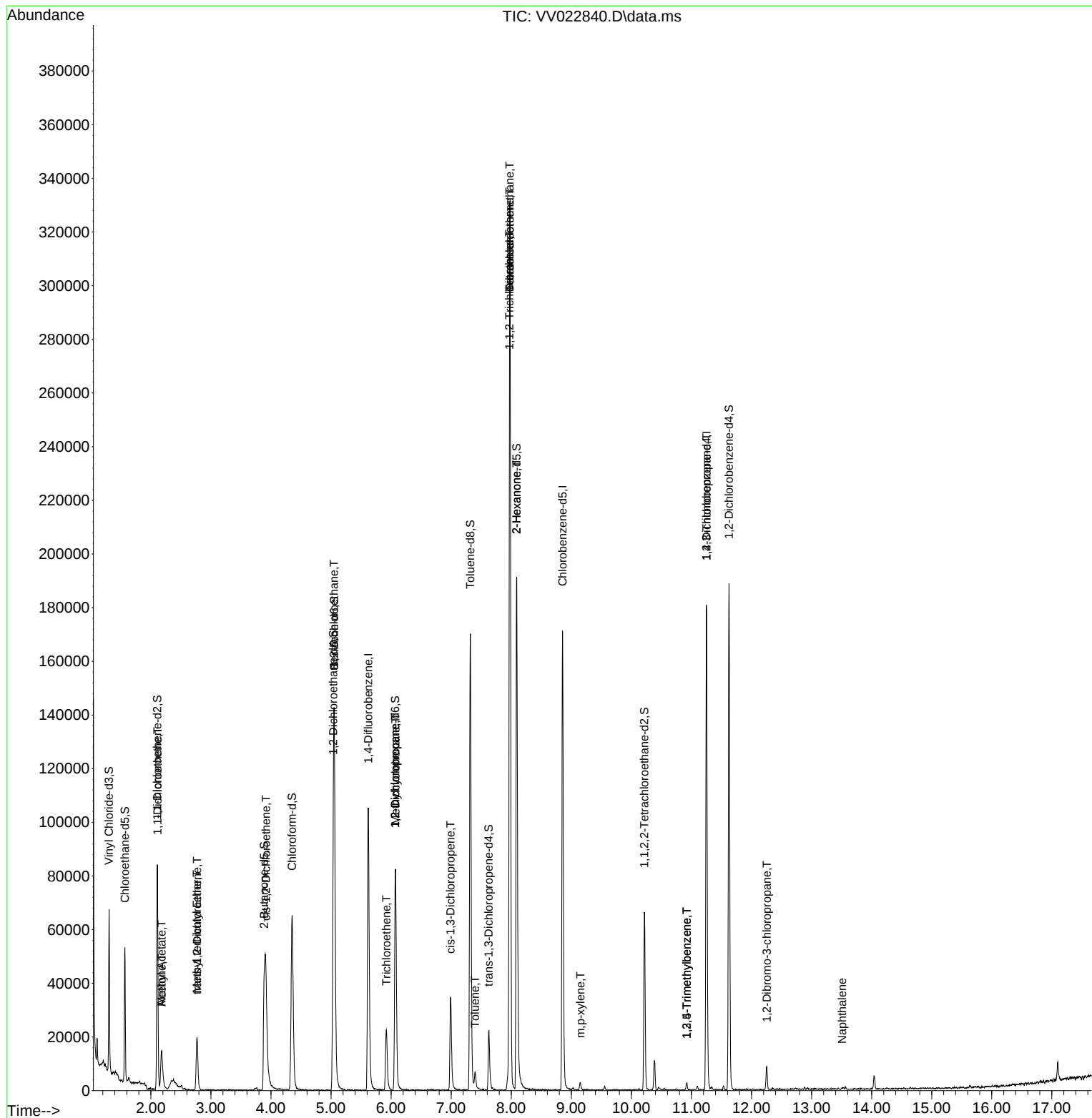
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.921	105	1830	0.088	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.252	75	275	0.429	ug/L #	1
71) Naphthalene	13.509	128	944	0.076	ug/L #	68

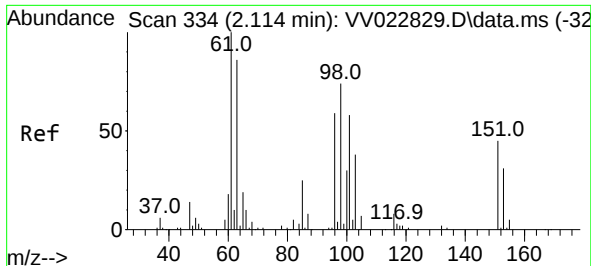
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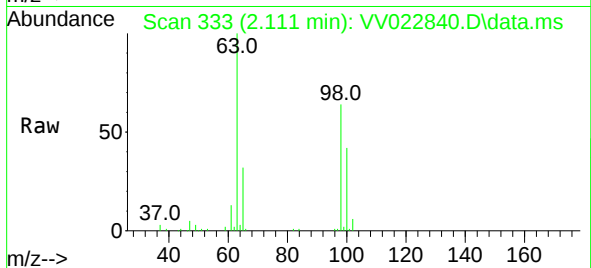
Quant Time: Oct 16 05:29:19 2021
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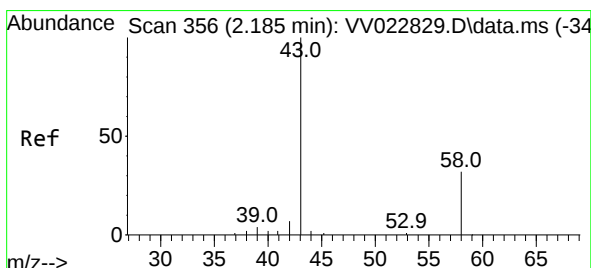
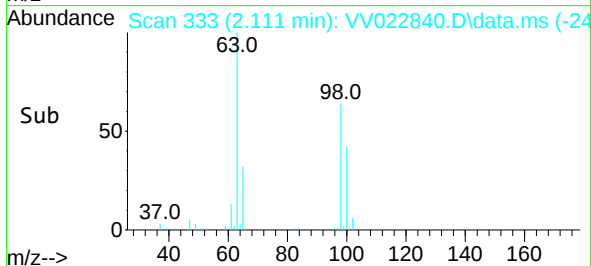
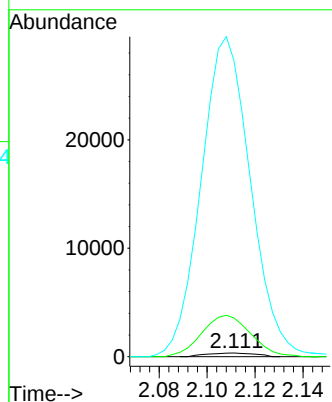


#12
1,1-Dichloroethene
Concen: 0.081 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

Instrument :
MSVOA_V
ClientSampled :

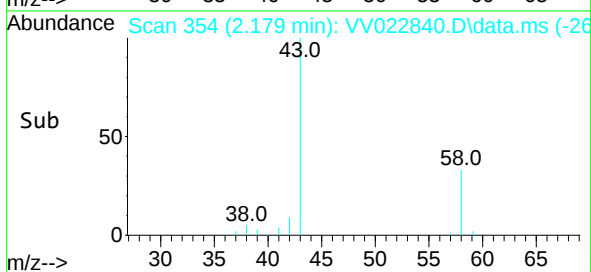
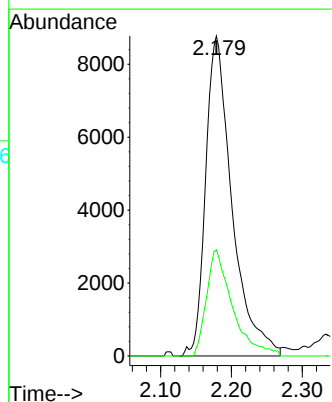
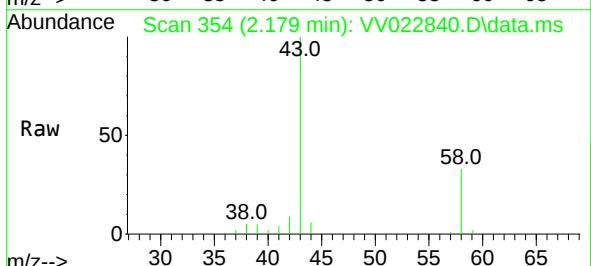


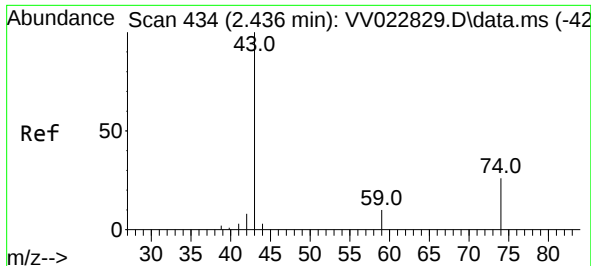
Tgt Ion: 96 Resp: 473
Ion Ratio Lower Upper
96 100
61 1069.2 127.3 236.5#
63 8179.6 106.2 197.2#



#13
Acetone
Concen: 23.448 ug/L
RT: 2.179 min Scan# 354
Delta R.T. -0.006 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

Tgt Ion: 43 Resp: 22713
Ion Ratio Lower Upper
43 100
58 32.6 0.0 24.2#

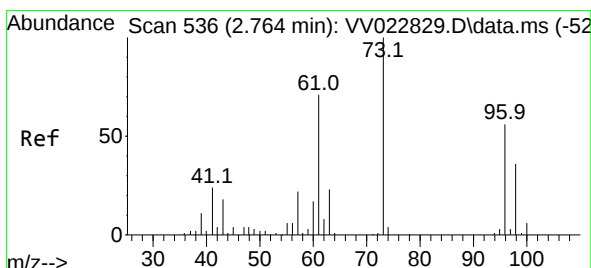
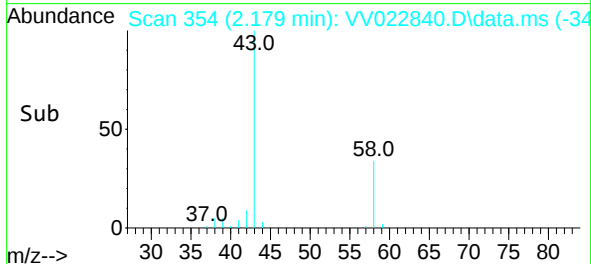
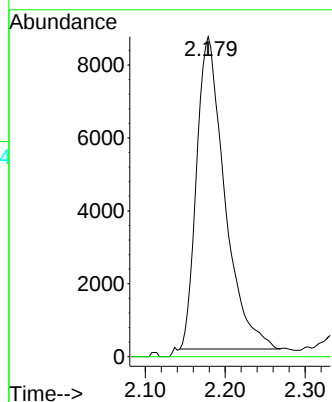
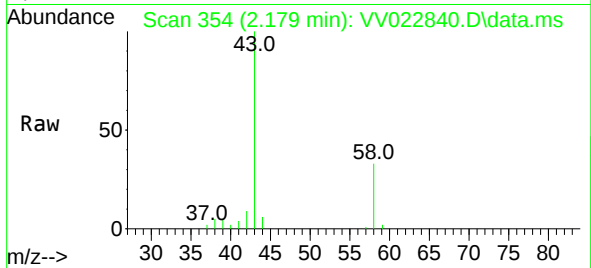




#15
Methyl Acetate
Concen: 7.567 ug/L
RT: 2.179 min Scan# 354
Delta R.T. -0.257 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

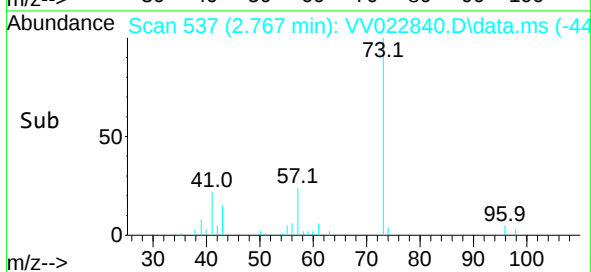
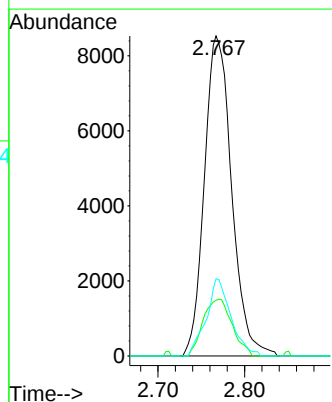
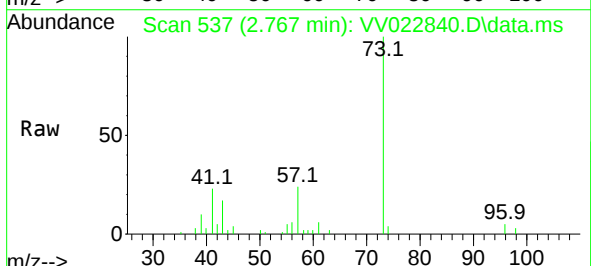
Instrument :
MSVOA_V
ClientSampled :

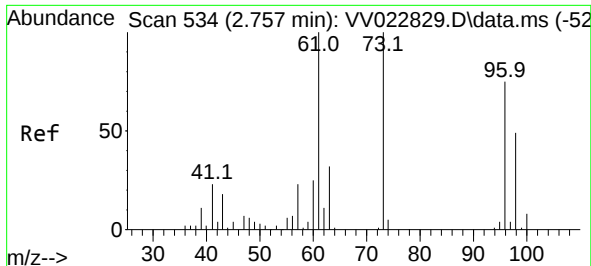
Tgt Ion: 43 Resp: 20973
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#



#17
Methyl tert-butyl Ether
Concen: 1.327 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

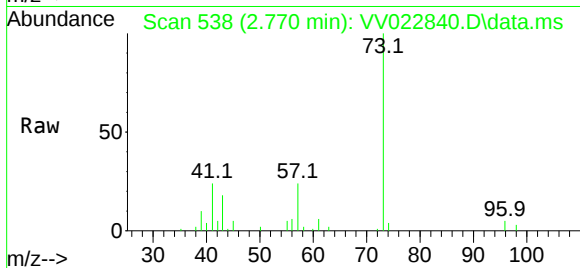
Tgt Ion: 73 Resp: 18672
Ion Ratio Lower Upper
73 100
43 18.8 17.1 25.7
57 21.8 17.2 25.8



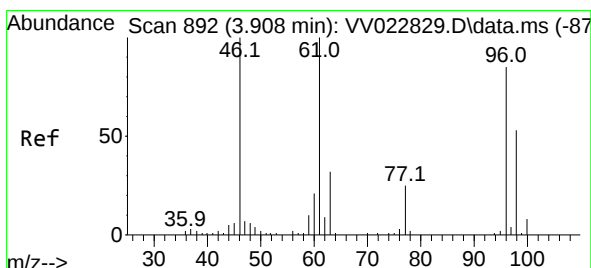
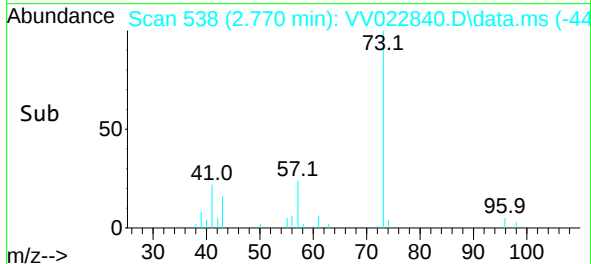
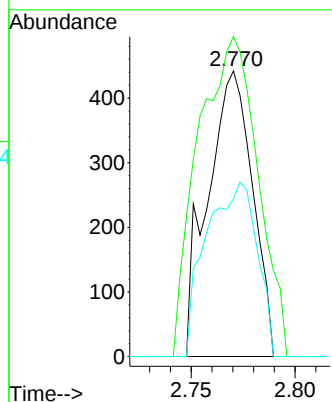


#18
trans-1,2-Dichloroethene
Concen: 0.105 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.013 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

Instrument :
MSVOA_V
ClientSampled :

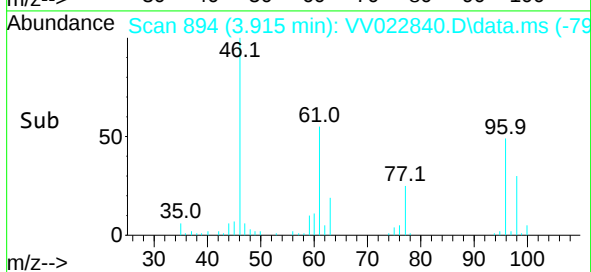
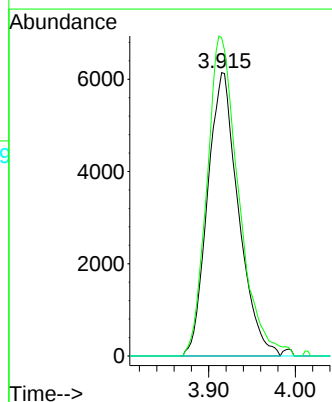
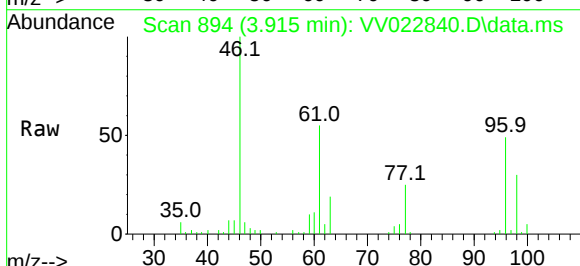


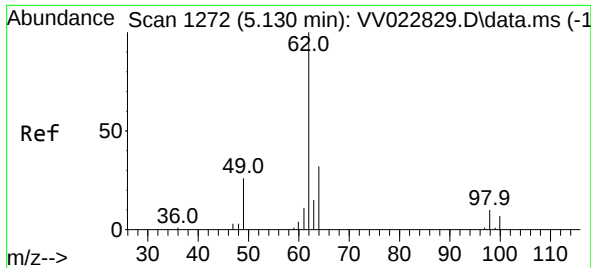
Tgt Ion: 96 Resp: 662
Ion Ratio Lower Upper
96 100
61 112.0 94.5 175.5
98 55.2 44.2 82.0



#22
cis-1,2-Dichloroethene
Concen: 2.291 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.007 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

Tgt Ion: 96 Resp: 15214
Ion Ratio Lower Upper
96 100
61 112.3 86.0 159.6
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.147 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.083 min

Lab File: VV022840.D

Acq: 15 Oct 2021 16:43

Tgt Ion: 62 Resp: 971

Ion Ratio Lower Upper

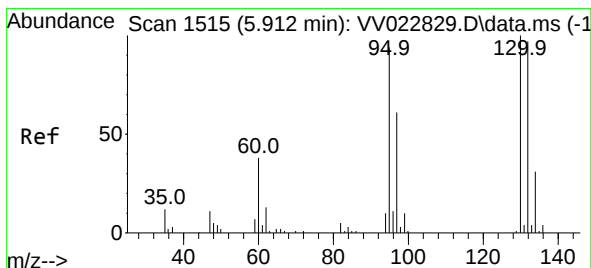
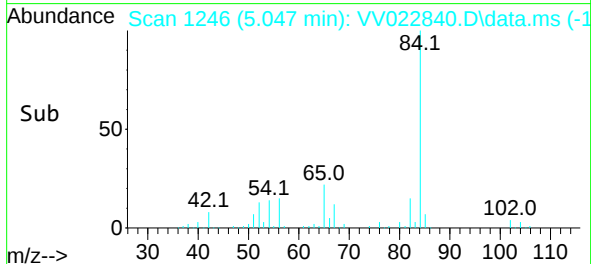
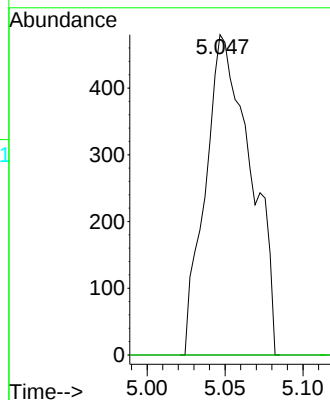
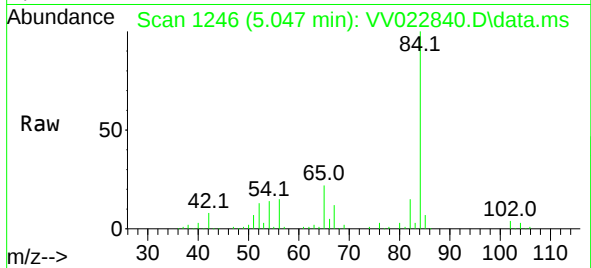
62 100

98 0.0 9.7 14.5#

Instrument :

MSVOA_V

ClientSampled :



#34

Trichloroethene

Concen: 1.097 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.010 min

Lab File: VV022840.D

Acq: 15 Oct 2021 16:43

Tgt Ion: 95 Resp: 7983

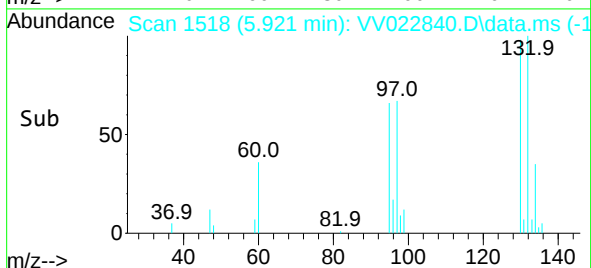
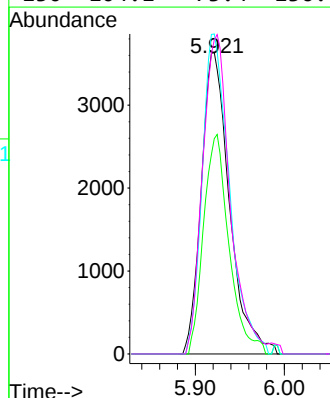
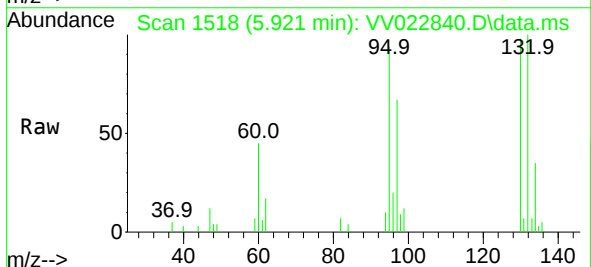
Ion Ratio Lower Upper

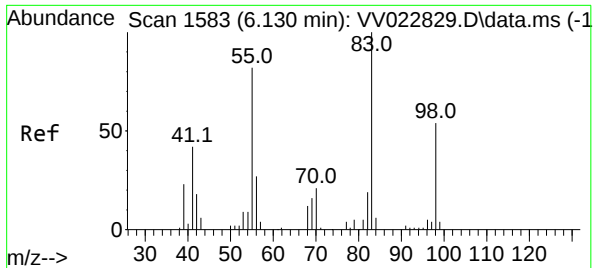
95 100

97 71.4 45.8 85.2

132 106.2 72.2 134.0

130 104.1 73.4 136.4

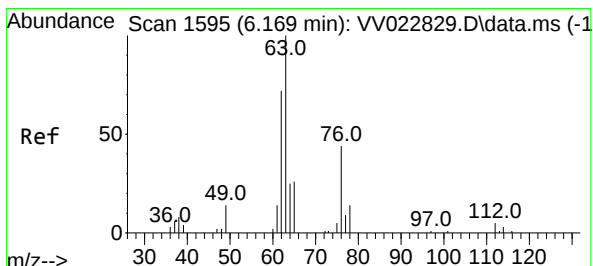
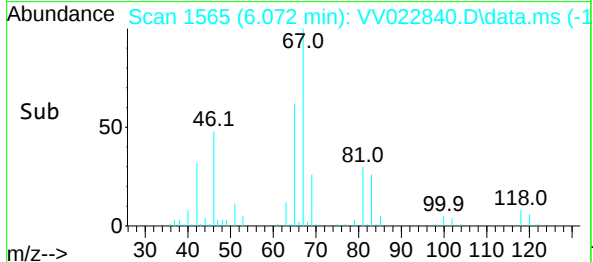
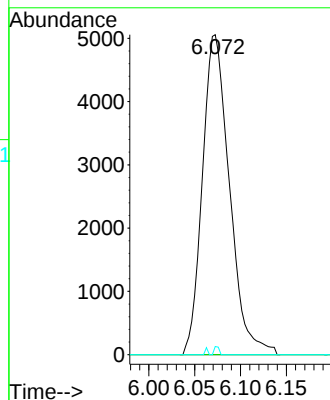
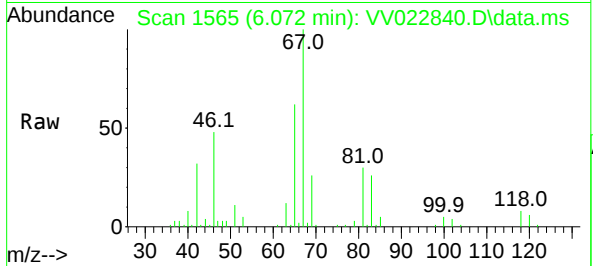




#35
Methylcyclohexane
Concen: 1.019 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

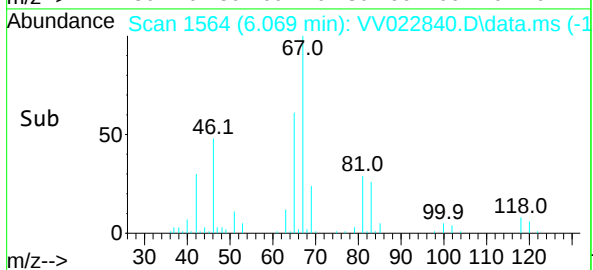
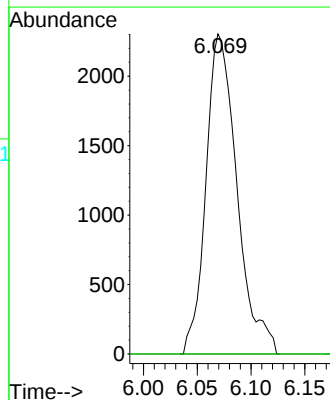
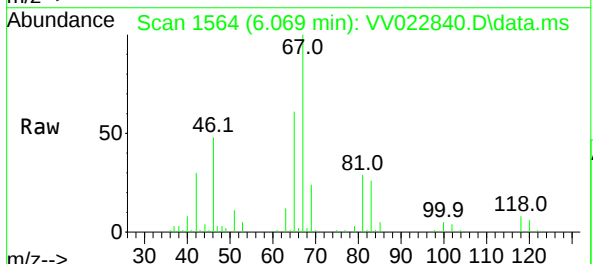
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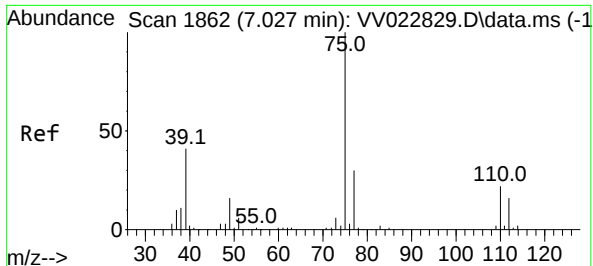
Tgt Ion: 83	Resp: 10391
Ion Ratio	Lower Upper
83 100	
55 0.0	63.8 95.6#
98 0.5	42.1 63.1#



#37
1,2-Dichloropropane
Concen: 0.718 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.100 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

Tgt Ion: 63	Resp: 4623
Ion Ratio	Lower Upper
63 100	
112 0.0	4.4 6.6#



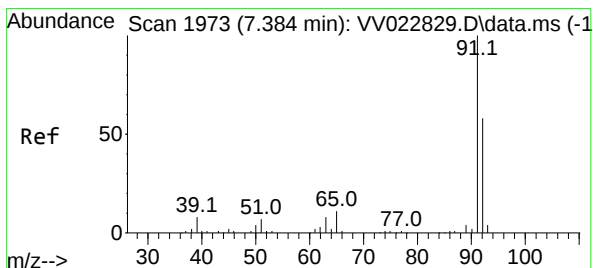
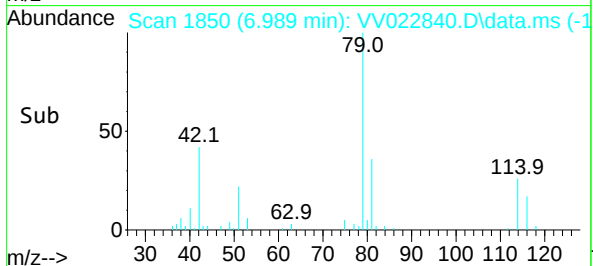
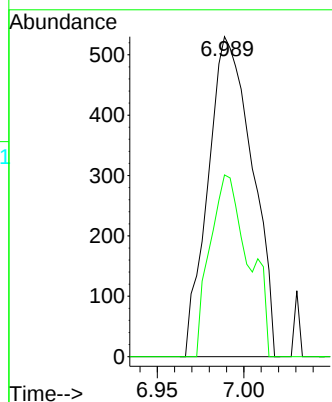
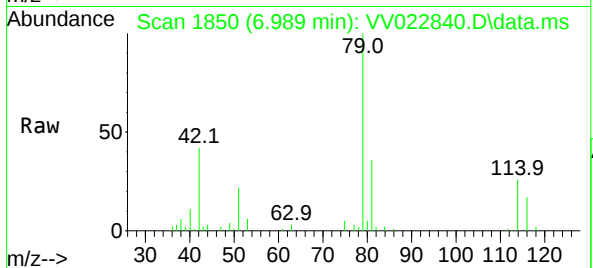


#39

cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 6.989 min Scan# 1850
 Delta R.T. -0.038 min
 Lab File: VV022840.D
 Acq: 15 Oct 2021 16:43

Instrument :
 MSVOA_V
 ClientSampled :

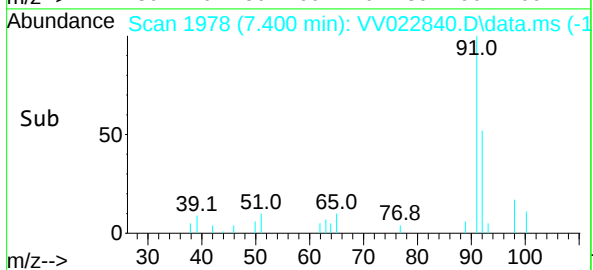
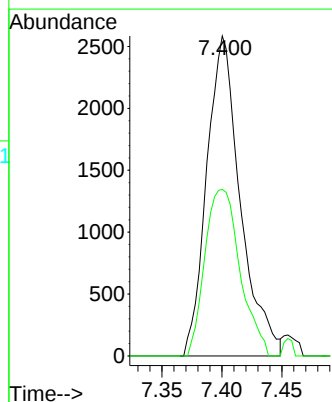
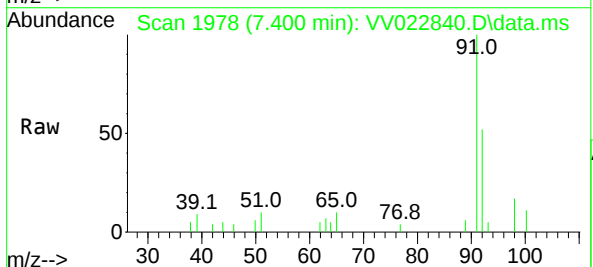
Tgt Ion: 75 Resp: 940
 Ion Ratio Lower Upper
 75 100
 77 56.8 22.3 41.3#

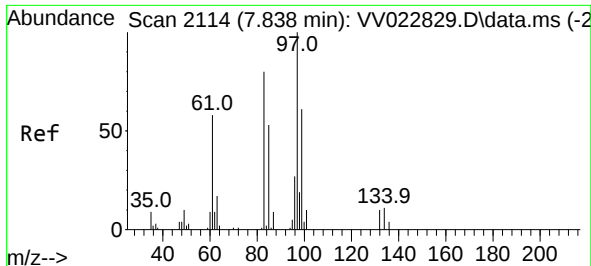


#42

Toluene
 Concen: 0.185 ug/L
 RT: 7.400 min Scan# 1978
 Delta R.T. 0.016 min
 Lab File: VV022840.D
 Acq: 15 Oct 2021 16:43

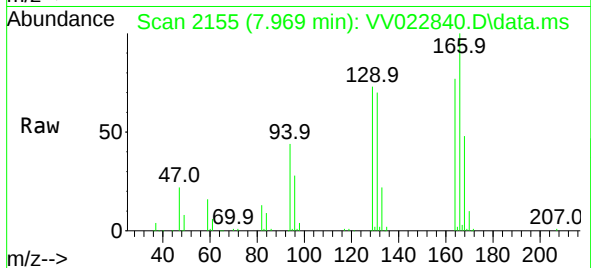
Tgt Ion: 91 Resp: 5031
 Ion Ratio Lower Upper
 91 100
 92 52.0 40.7 75.7



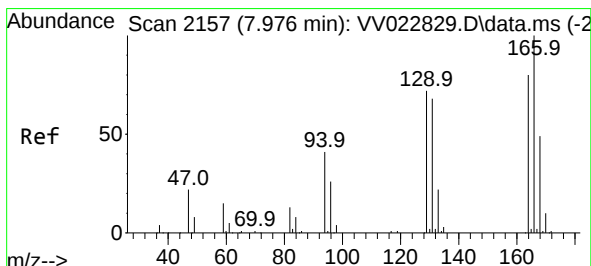
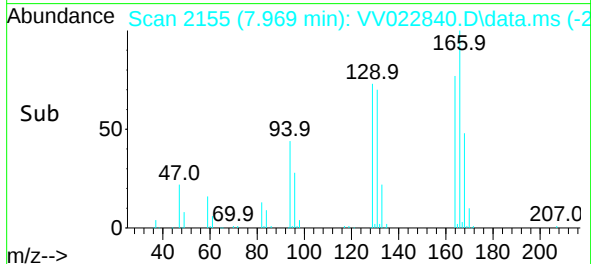
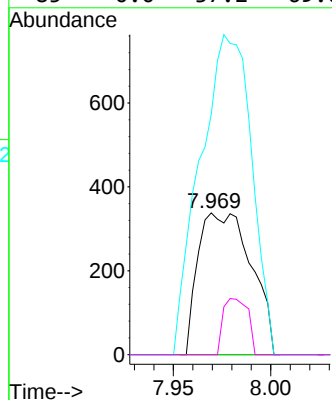


#45
1,1,2-Trichloroethane
Concen: 0.134 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.132 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

Instrument :
MSVOA_V
ClientSampleId :

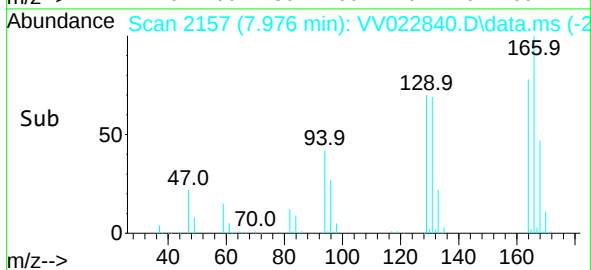
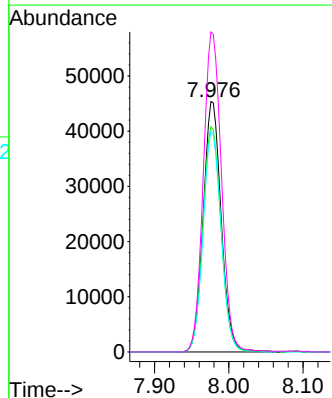
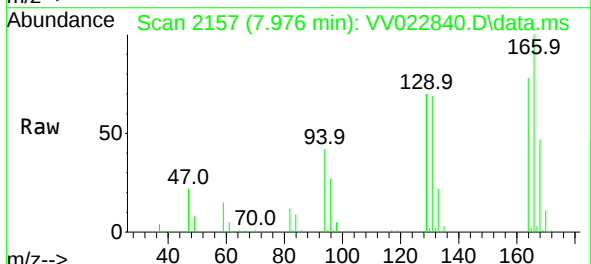


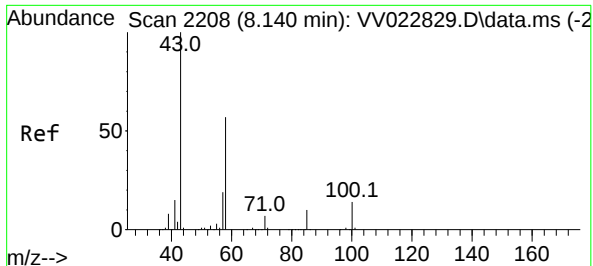
Tgt Ion: 97	Resp: 642
Ion Ratio	Lower Upper
97	100
99	0.0 44.5 82.7#
83	169.5 56.6 105.0#
85	0.0 37.2 69.0#



#47
Tetrachloroethene
Concen: 12.967 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

Tgt Ion: 164	Resp: 76298
Ion Ratio	Lower Upper
164	100
129	90.0 65.0 120.6
131	88.1 62.2 115.4
166	127.8 89.2 165.8

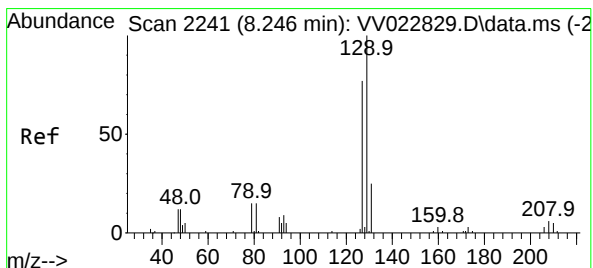
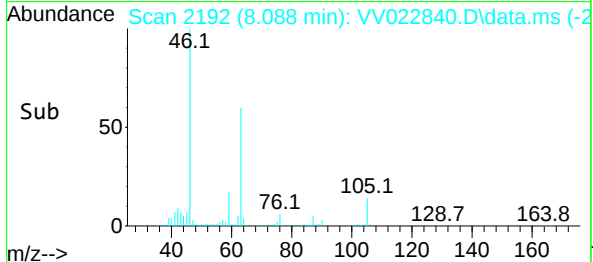
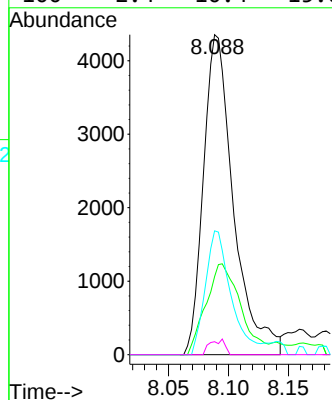
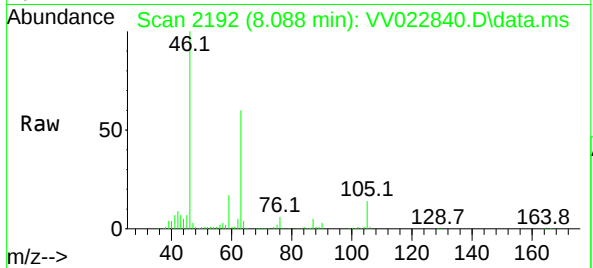




#48
2-Hexanone
Concen: 3.005 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. -0.051 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

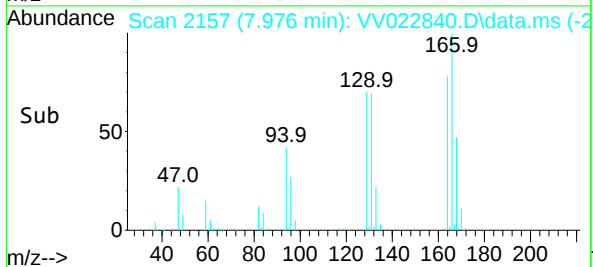
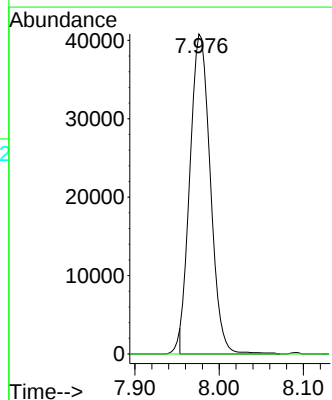
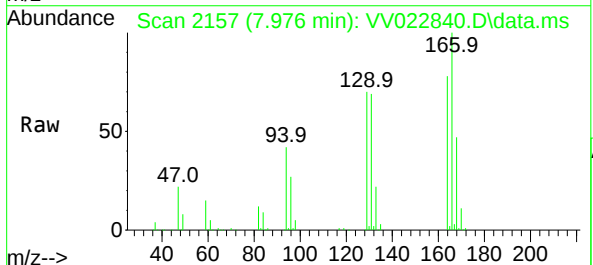
Instrument :
MSVOA_V
ClientSampled :

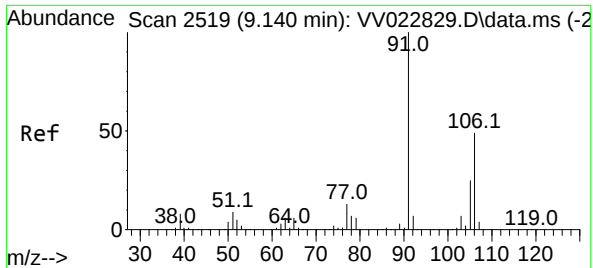
Tgt Ion: 43	Resp: 7596
Ion Ratio	Lower Upper
43 100	
58 32.7	47.4 71.0#
57 33.1	15.3 22.9#
100 2.4	10.4 15.6#



#49
Dibromochloromethane
Concen: 12.220 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

Tgt Ion: 129	Resp: 68303
Ion Ratio	Lower Upper
129 100	
127 0.0	59.1 109.9#

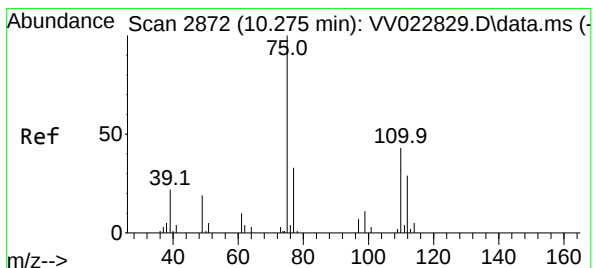
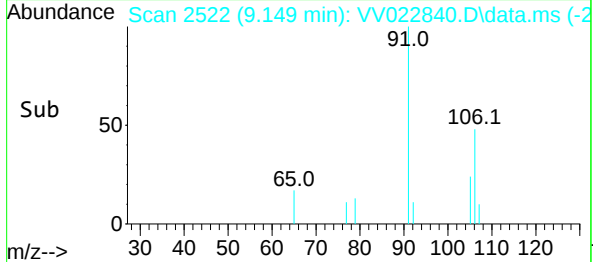
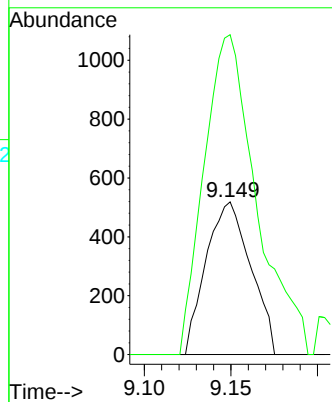
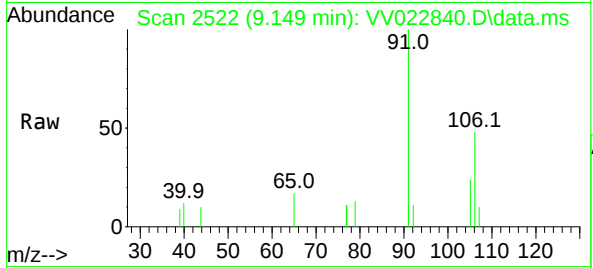




#53
 m,p-xylene
 Concen: 0.086 ug/L
 RT: 9.149 min Scan# 2522
 Delta R.T. 0.010 min
 Lab File: VV022840.D
 Acq: 15 Oct 2021 16:43

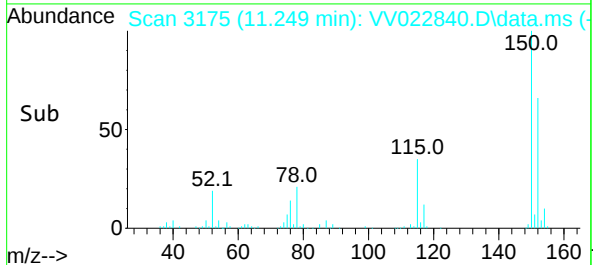
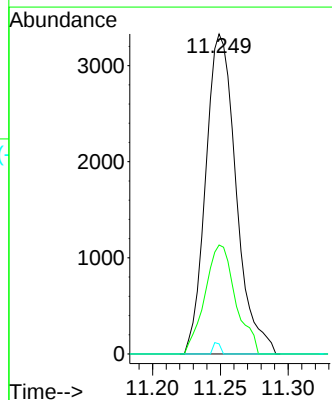
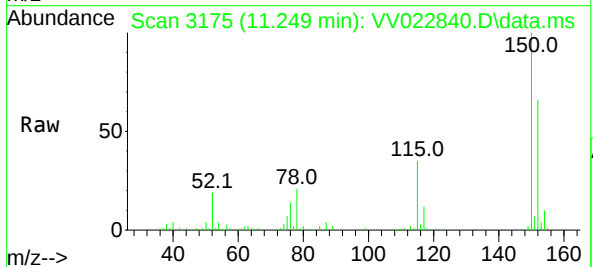
Instrument :
 MSVOA_V
 ClientSampled :

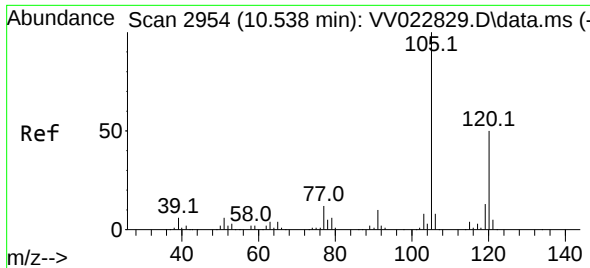
Tgt Ion:106 Resp: 932
 Ion Ratio Lower Upper
 106 100
 91 209.4 138.7 257.5



#61
 1,2,3-Trichloropropane
 Concen: 1.472 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.974 min
 Lab File: VV022840.D
 Acq: 15 Oct 2021 16:43

Tgt Ion: 75 Resp: 5186
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.4 38.2
 110 0.8 34.2 51.4#

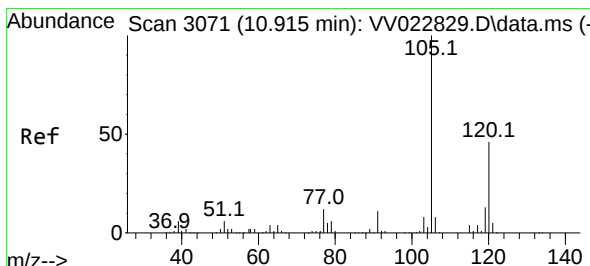
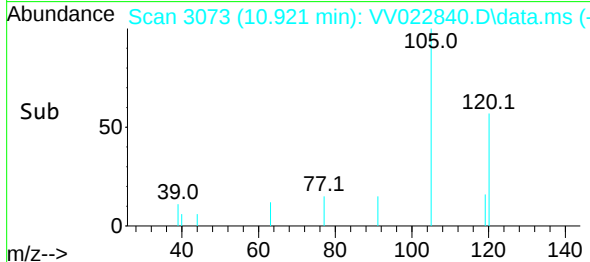
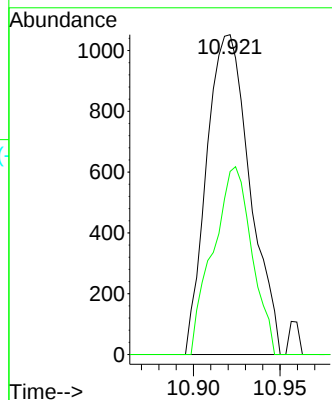
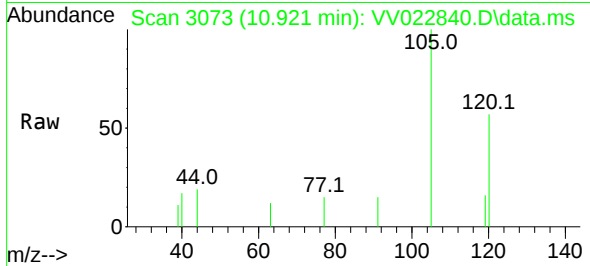




#62
1,3,5-Trimethylbenzene
Concen: 0.088 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.383 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

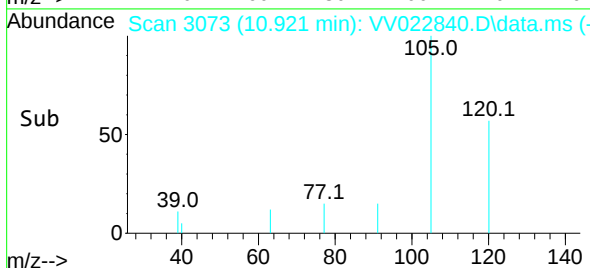
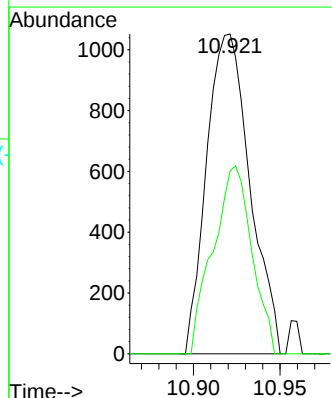
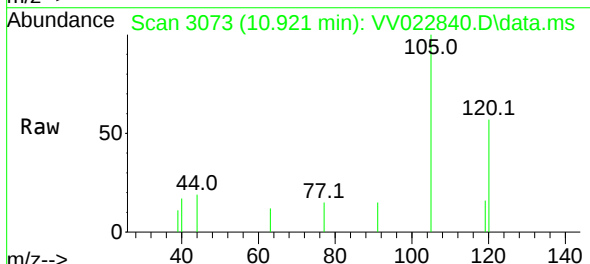
Instrument :
MSVOA_V
ClientSampled :

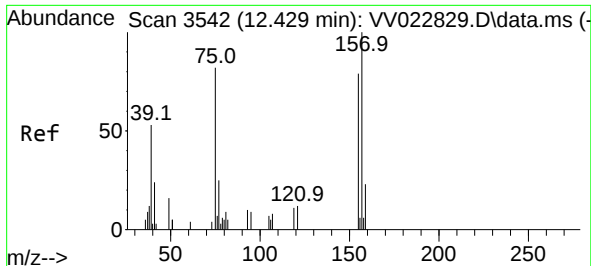
Tgt Ion:105 Resp: 1830
Ion Ratio Lower Upper
105 100
120 52.7 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 0.088 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.007 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

Tgt Ion:105 Resp: 1830
Ion Ratio Lower Upper
105 100
120 52.7 37.3 55.9

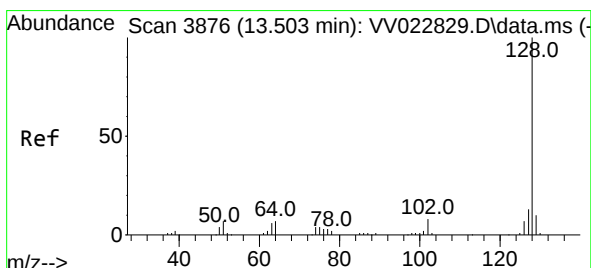
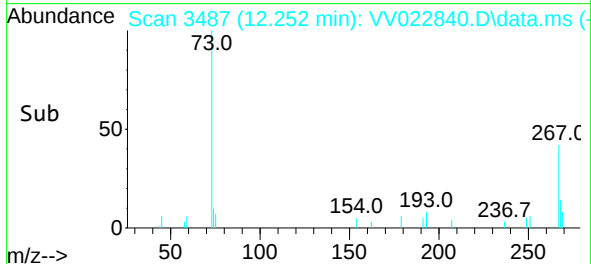
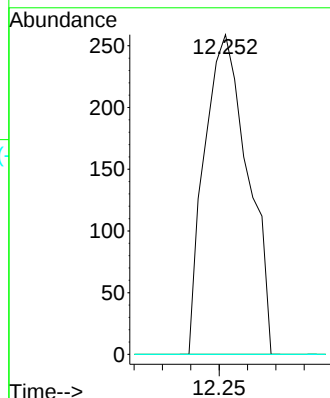
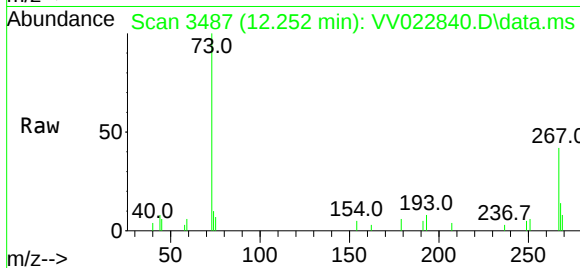




#68
1,2-Dibromo-3-chloropropane
Concen: 0.429 ug/L
RT: 12.252 min Scan# 3487
Delta R.T. -0.177 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 275
Ion Ratio Lower Upper
75 100
155 0.0 82.4 123.6#
157 0.0 114.1 171.1#



#71
Naphthalene
Concen: 0.076 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.007 min
Lab File: VV022840.D
Acq: 15 Oct 2021 16:43

Tgt Ion: 128 Resp: 944
Ion Ratio Lower Upper
128 100
129 0.0 9.3 13.9#
127 0.0 10.8 16.2#

