

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW013123\
 Data File : VW030006.D
 Acq On : 31 Jan 2023 11:32
 Operator : SY/MD
 Sample : 01315-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0B42

Quant Time: Feb 01 00:14:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 01 00:13:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	257954	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	237228	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	120301	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	82366	4.210	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.200%
7) Chloroethane-d5	1.564	69	77668	4.789	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.101	63	115950	3.251	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.000%
20) 2-Butanone-d5	3.880	46	160115	46.171	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.340%
24) Chloroform-d	4.333	84	148817	4.146	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
26) 1,2-Dichloroethane-d4	5.018	65	66007	4.343	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
32) Benzene-d6	5.037	84	316137	4.493	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.056	67	99407	4.827	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.600%
41) Toluene-d8	7.304	98	270469	4.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	7.612	79	31666	4.210	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.079	63	148289	48.427	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.860%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	66445	4.403	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	11.609	152	97077	4.439	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	3978	0.157	ug/L	93
12) 1,1-Dichloroethene	2.111	96	3828	0.174	ug/L #	1
13) Acetone	2.172	43	6334	2.559	ug/L	96
15) Methyl Acetate	2.423	43	1705	0.265	ug/L #	45
16) Methylene chloride	2.500	84	7781	0.284	ug/L	83
17) Methyl tert-butyl Ether	2.764	73	28664	0.753	ug/L #	84
19) 1,1-Dichloroethane	3.182	63	3447	0.101	ug/L #	95
22) cis-1,2-Dichloroethene	3.899	96	89426	4.099	ug/L	88
33) Benzene	5.092	78	19956	0.254	ug/L	100
34) Trichloroethene	5.902	95	152415	7.668	ug/L	96
37) 1,2-Dichloropropane	6.162	63	10221	0.556	ug/L	98
39) cis-1,3-Dichloropropene	6.976	75	2306	0.094	ug/L #	56
42) Toluene	7.378	91	408217	4.826	ug/L	100
47) Tetrachloroethene	7.963	164	1050592	62.779	ug/L	98
49) Dibromochloromethane	7.963	129	966599	62.237	ug/L #	11
52) Ethylbenzene	9.005	91	4948	0.056	ug/L	93
53) m,p-Xylene	9.127	106	4774	0.136	ug/L	94
54) o-Xylene	9.535	106	1898	0.057	ug/L	98
61) 1,2,3-Trichloropropane	11.236	75	14105	1.583	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Feb 01 00:13:14 2023
Response via : Initial Calibration

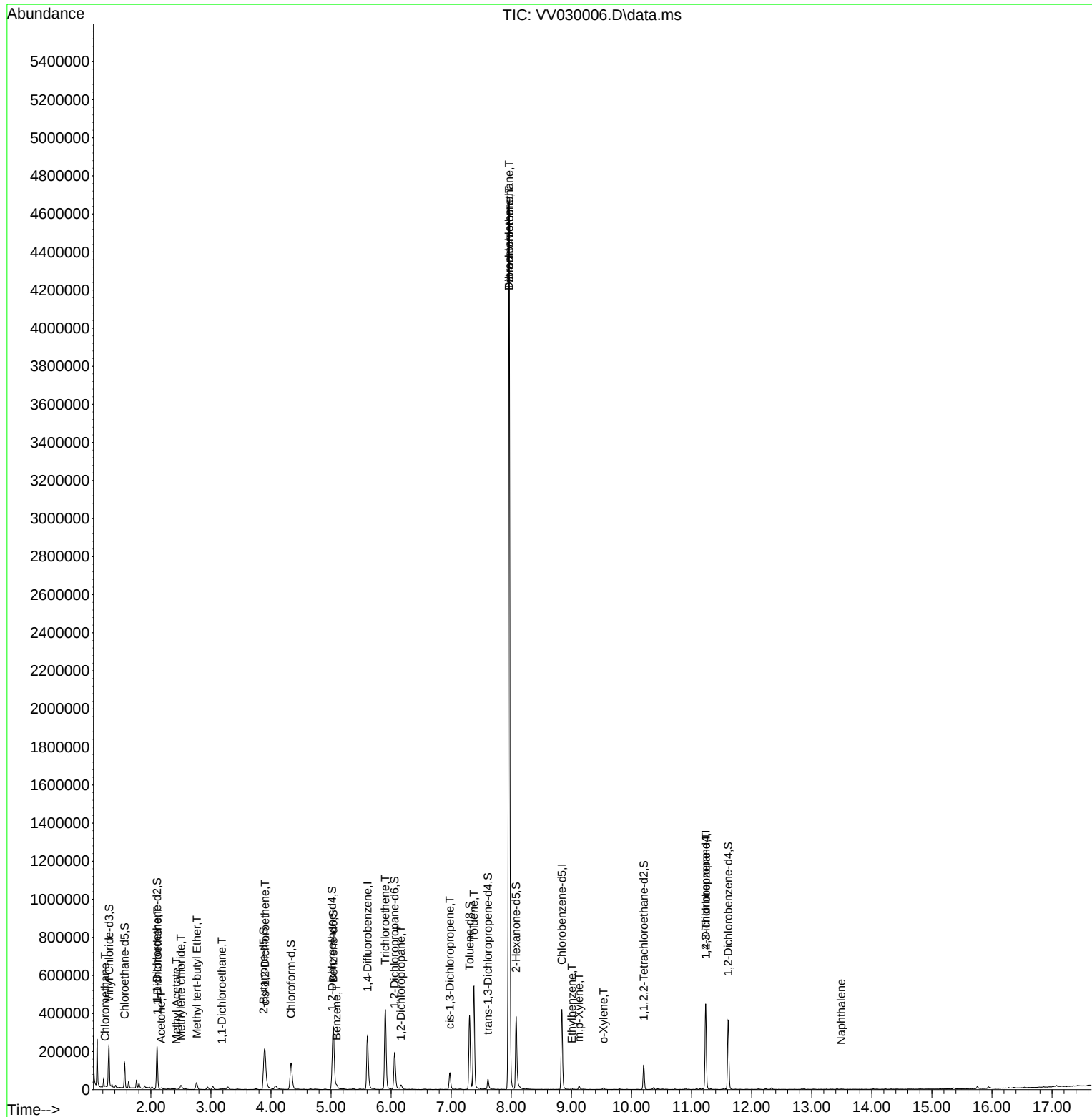
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.490	128	2082	0.065	ug/L	# 87

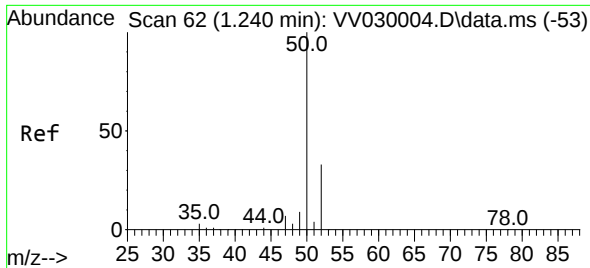
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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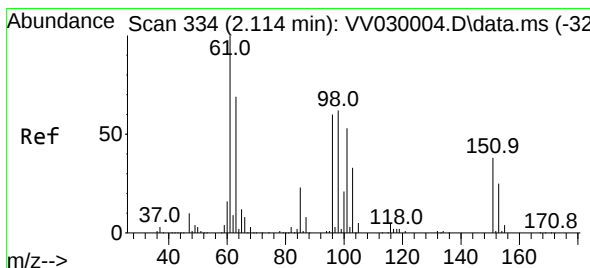
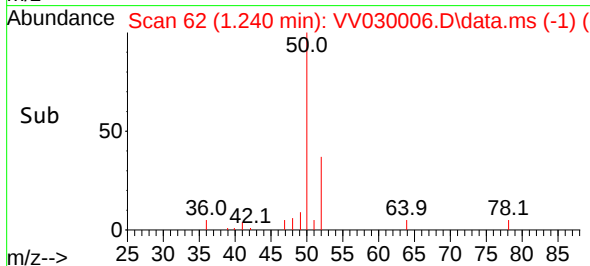
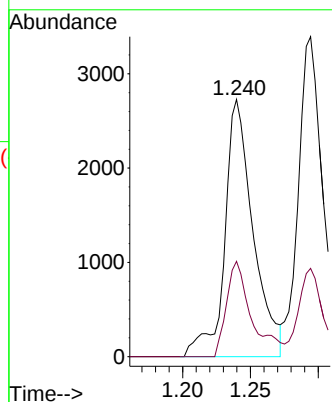
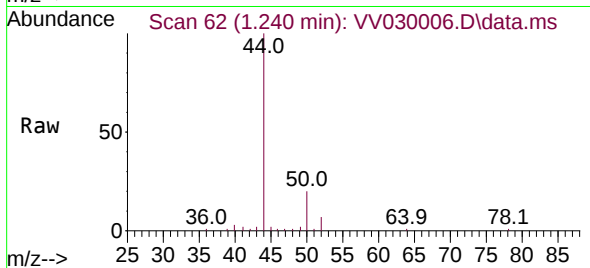




#3
Chloromethane
Concen: 0.157 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV030006.D
Acq: 31 Jan 2023 11:32

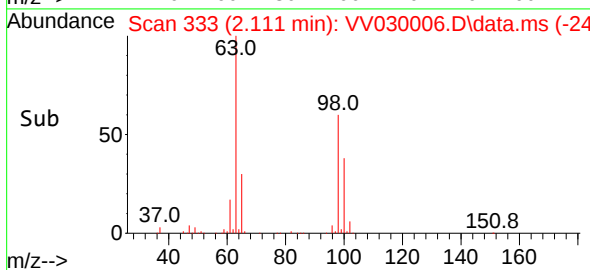
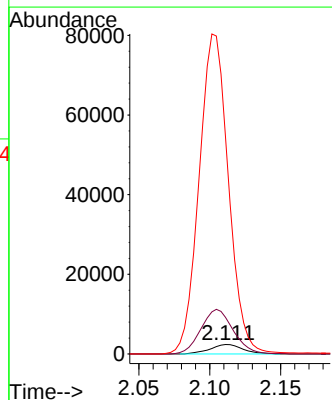
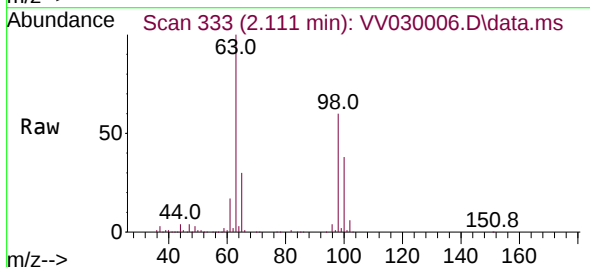
Instrument :
MSVOA_V
ClientSampleId :
C0B42

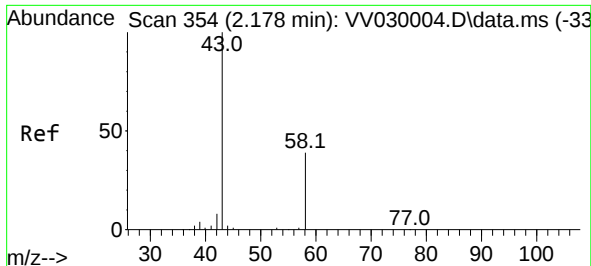
Tgt Ion: 50 Resp: 3978
Ion Ratio Lower Upper
50 100
52 37.1 23.1 42.9



#12
1,1-Dichloroethene
Concen: 0.174 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV030006.D
Acq: 31 Jan 2023 11:32

Tgt Ion: 96 Resp: 3828
Ion Ratio Lower Upper
96 100
61 387.0 106.1 197.1#
63 2290.8 76.4 141.8#





#13

Acetone

Concen: 2.559 ug/L

RT: 2.172 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV030006.D

Acq: 31 Jan 2023 11:32

Instrument :

MSVOA_V

ClientSampleId :

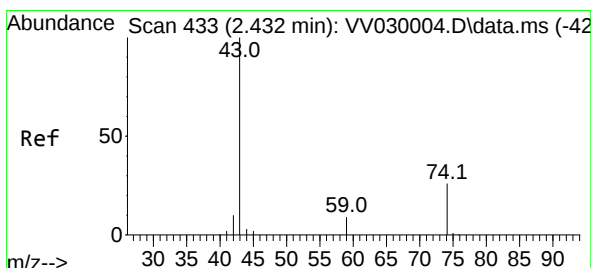
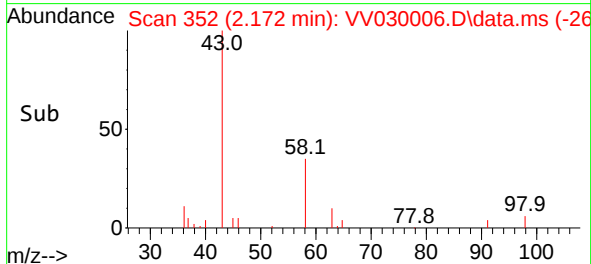
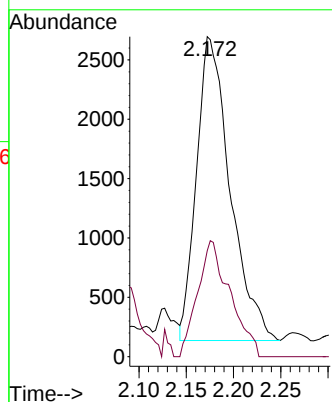
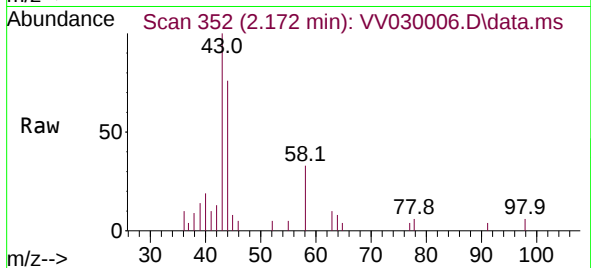
C0B42

Tgt Ion: 43 Resp: 6334

Ion Ratio Lower Upper

43 100

58 36.8 0.0 68.8



#15

Methyl Acetate

Concen: 0.265 ug/L

RT: 2.423 min Scan# 430

Delta R.T. -0.010 min

Lab File: VV030006.D

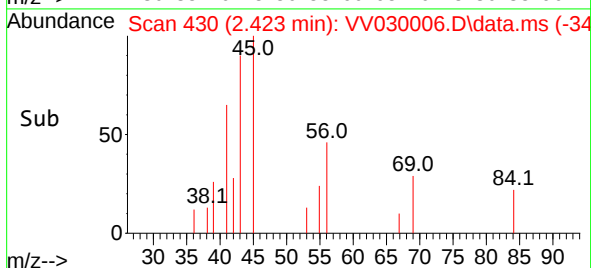
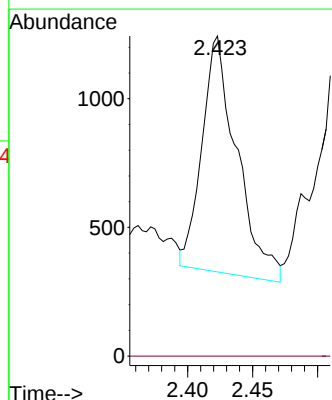
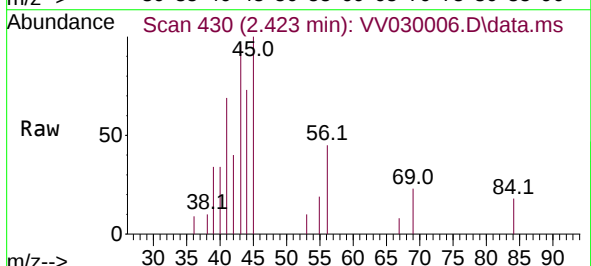
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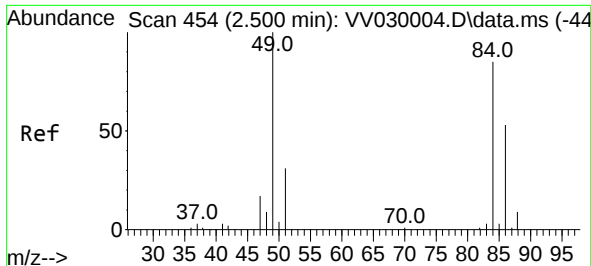
Tgt Ion: 43 Resp: 1705

Ion Ratio Lower Upper

43 100

74 0.0 23.4 35.0#

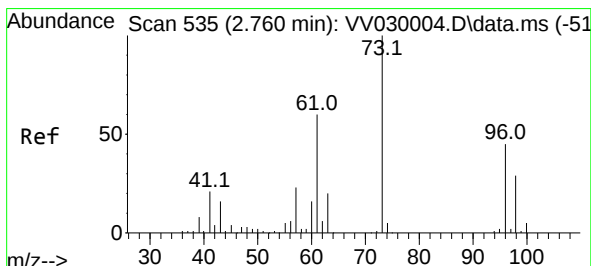
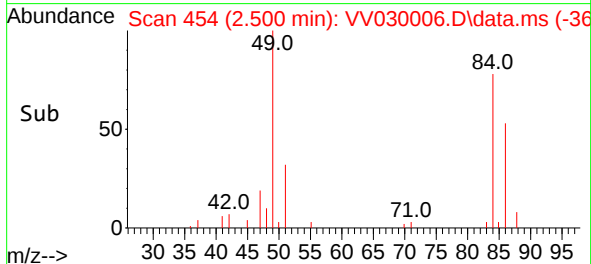
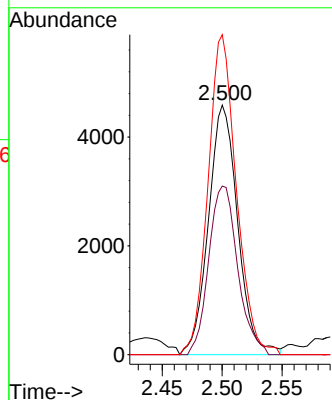
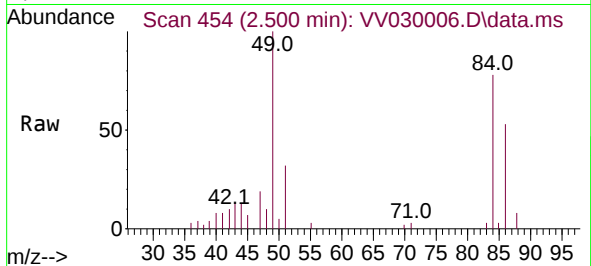




#16
Methylene chloride
Concen: 0.284 ug/L
RT: 2.500 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030006.D
Acq: 31 Jan 2023 11:32

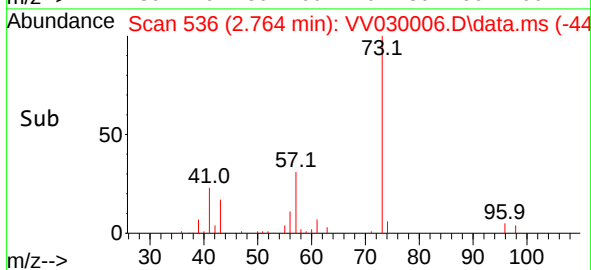
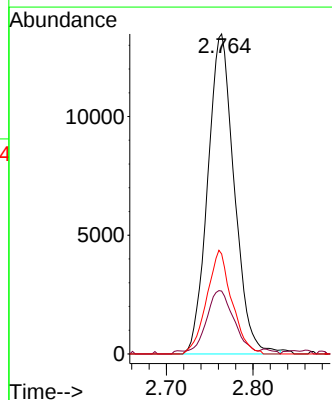
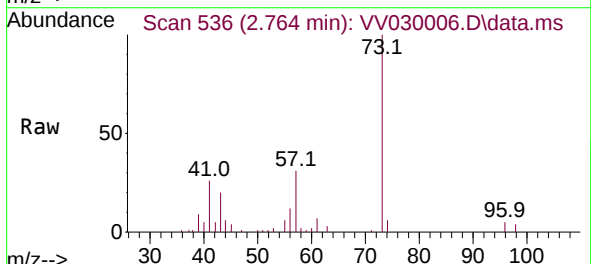
Instrument :
MSVOA_V
ClientSampleId :
C0B42

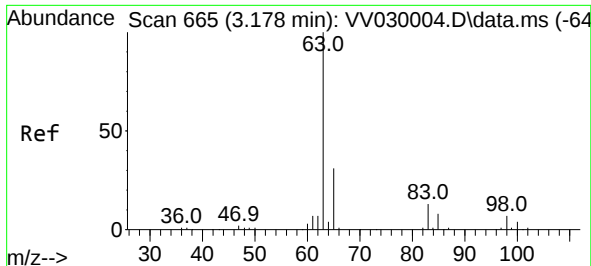
Tgt Ion: 84 Resp: 7781
Ion Ratio Lower Upper
84 100
86 67.6 45.0 83.6
49 128.2 71.5 132.7



#17
Methyl tert-butyl Ether
Concen: 0.753 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV030006.D
Acq: 31 Jan 2023 11:32

Tgt Ion: 73 Resp: 28664
Ion Ratio Lower Upper
73 100
43 20.6 13.0 19.4#
57 30.7 17.1 25.7#





#19

1,1-Dichloroethane

Concen: 0.101 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV030006.D

Acq: 31 Jan 2023 11:32

Instrument :

MSVOA_V

ClientSampleId :

C0B42

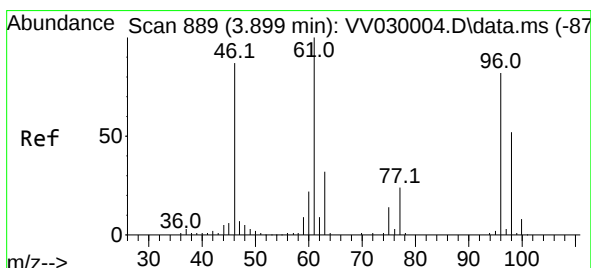
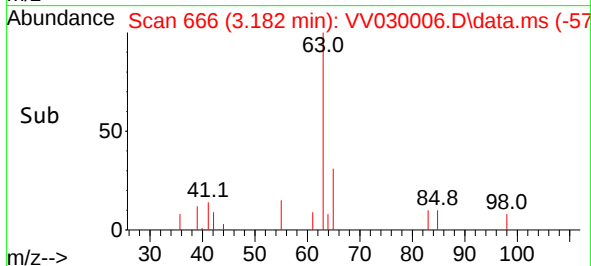
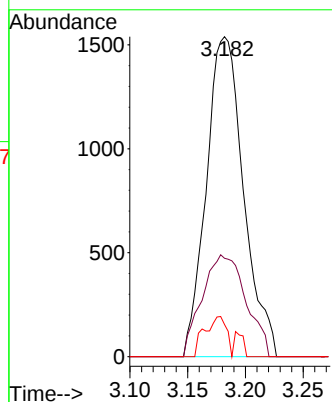
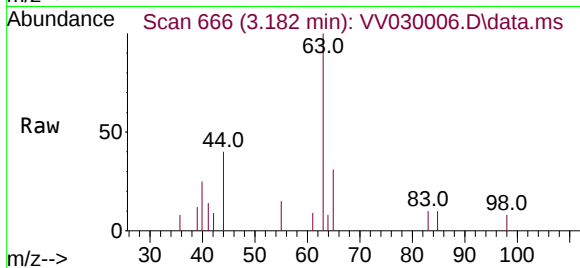
Tgt Ion: 63 Resp: 3447

Ion Ratio Lower Upper

63 100

65 30.7 22.4 41.6

83 10.1 10.2 19.0#



#22

cis-1,2-Dichloroethene

Concen: 4.099 ug/L

RT: 3.899 min Scan# 889

Delta R.T. 0.000 min

Lab File: VV030006.D

Acq: 31 Jan 2023 11:32

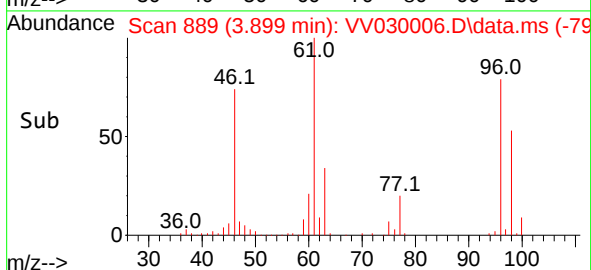
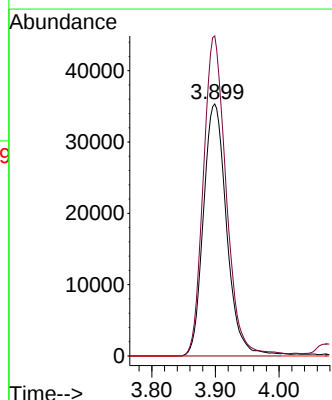
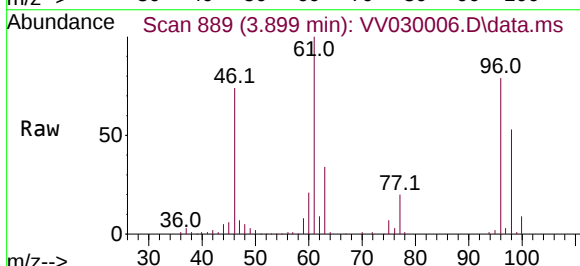
Tgt Ion: 96 Resp: 89426

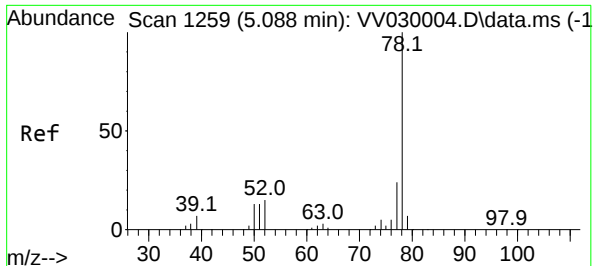
Ion Ratio Lower Upper

96 100

61 127.0 80.0 148.6

68 0.0 0.0 0.0

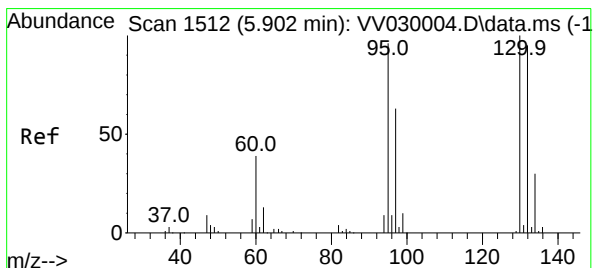
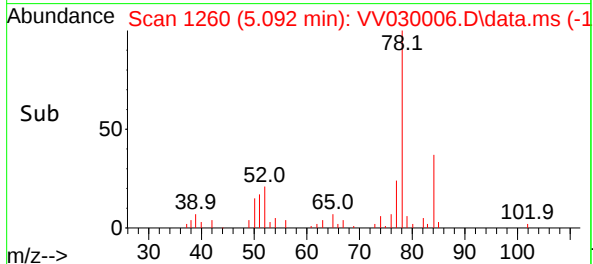
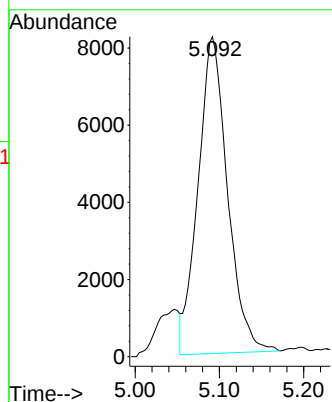
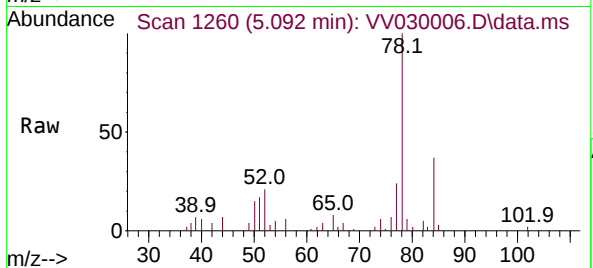




#33
Benzene
Concen: 0.254 ug/L
RT: 5.092 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030006.D
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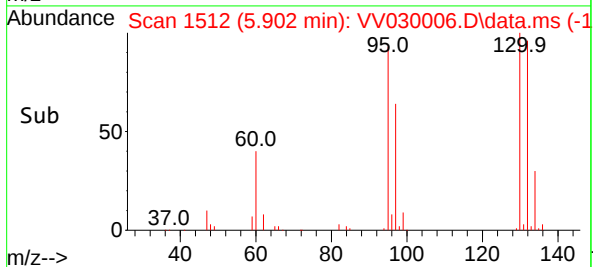
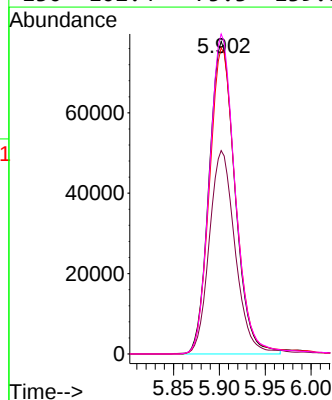
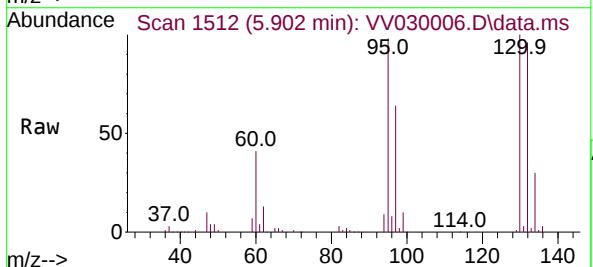
Tgt Ion: 78 Resp: 19956

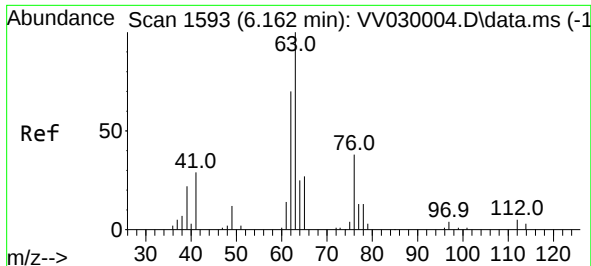


#34
Trichloroethene
Concen: 7.668 ug/L
RT: 5.902 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VV030006.D
Acq: 31 Jan 2023 11:32

Tgt Ion: 95 Resp: 152415

Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.9	83.3
132	98.0	71.8	133.4
130	102.4	75.3	139.8





#37

1,2-Dichloropropane

Concen: 0.556 ug/L

RT: 6.162 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV030006.D

Acq: 31 Jan 2023 11:32

Instrument :

MSVOA_V

ClientSampleId :

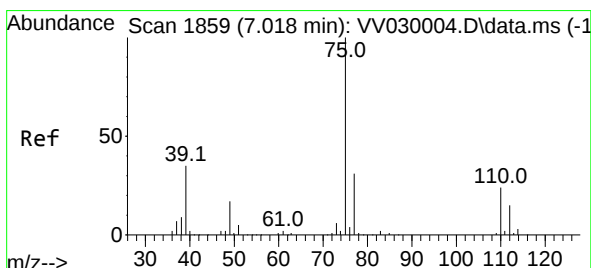
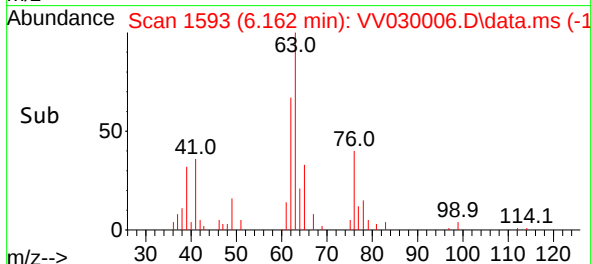
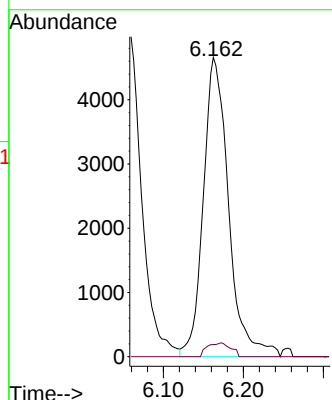
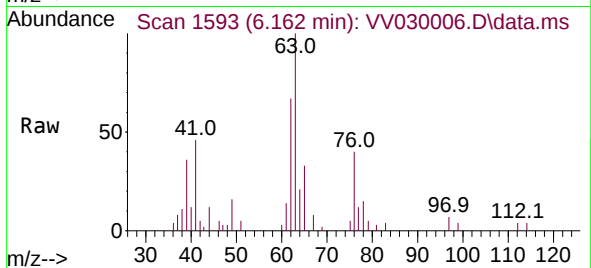
C0B42

Tgt Ion: 63 Resp: 10221

Ion Ratio Lower Upper

63 100

112 4.3 3.9 5.9



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 6.976 min Scan# 1846

Delta R.T. -0.042 min

Lab File: VV030006.D

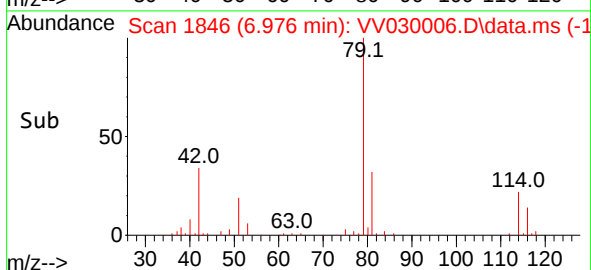
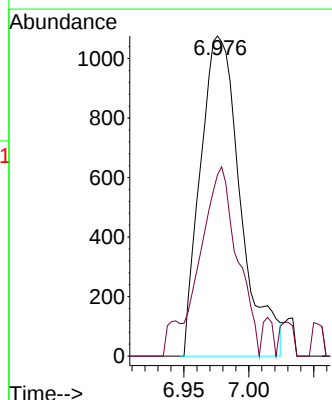
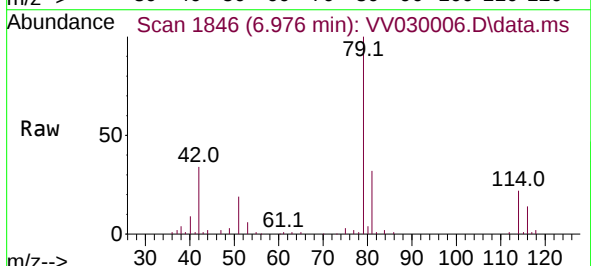
Acq: 31 Jan 2023 11:32

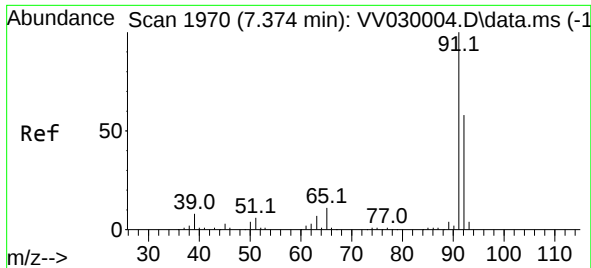
Tgt Ion: 75 Resp: 2306

Ion Ratio Lower Upper

75 100

77 56.6 22.4 41.6#





#42

Toluene

Concen: 4.826 ug/L

RT: 7.378 min Scan# 1970

Delta R.T. 0.003 min

Lab File: VV030006.D

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ClientSampleId :

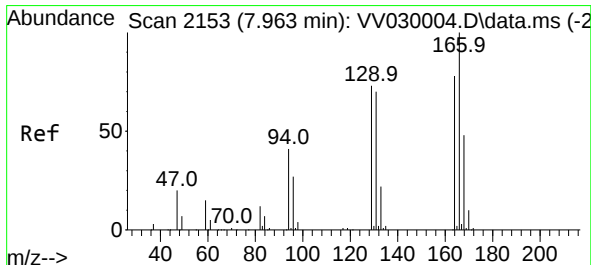
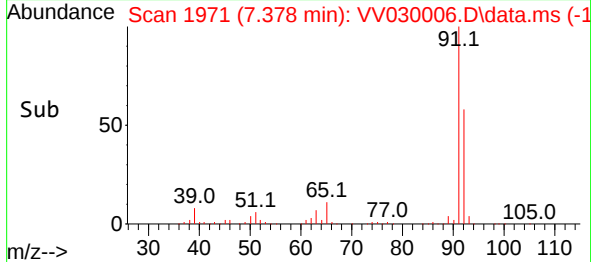
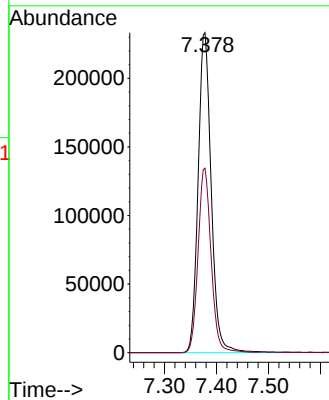
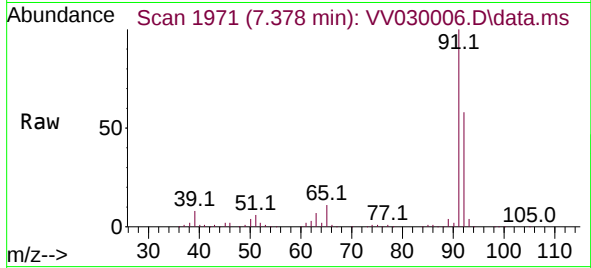
C0B42

Tgt Ion: 91 Resp: 408217

Ion Ratio Lower Upper

91 100

92 57.6 40.6 75.4



#47

Tetrachloroethene

Concen: 62.779 ug/L

RT: 7.963 min Scan# 2153

Delta R.T. 0.000 min

Lab File: VV030006.D

Acq: 31 Jan 2023 11:32

Tgt Ion:164 Resp: 1050592

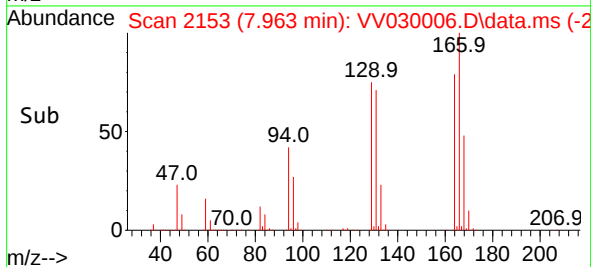
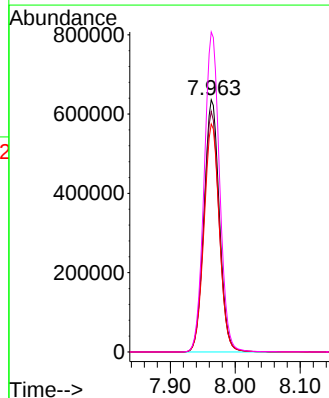
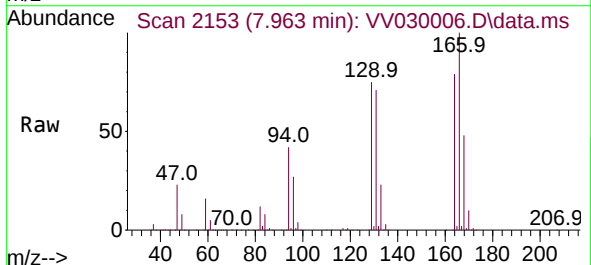
Ion Ratio Lower Upper

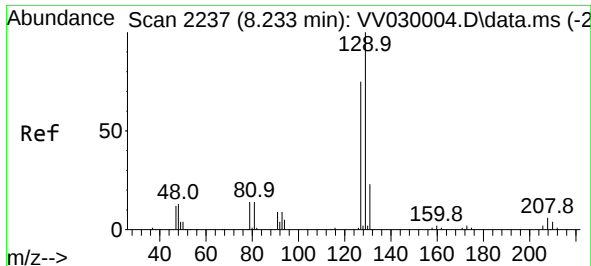
164 100

129 95.4 64.5 119.7

131 90.4 62.9 116.7

166 126.9 90.7 168.5





#49

Dibromochloromethane

Concen: 62.237 ug/L

RT: 7.963 min Scan# 2153

Delta R.T. -0.270 min

Lab File: VV030006.D

Acq: 31 Jan 2023 11:32

Instrument :

MSVOA_V

ClientSampleId :

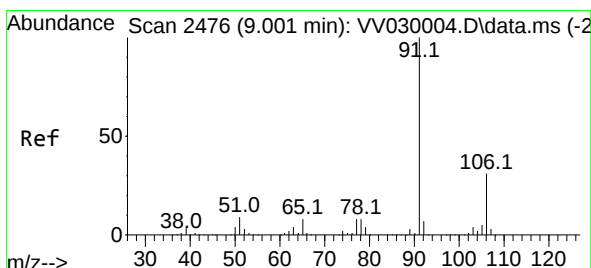
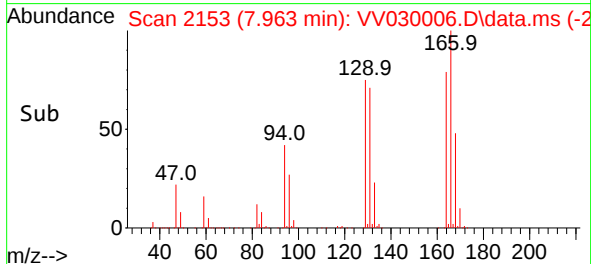
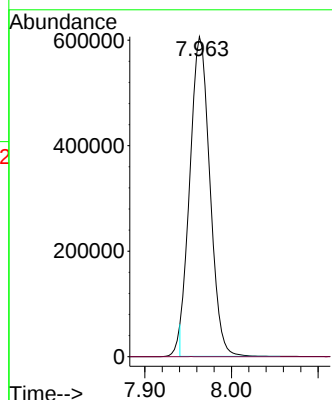
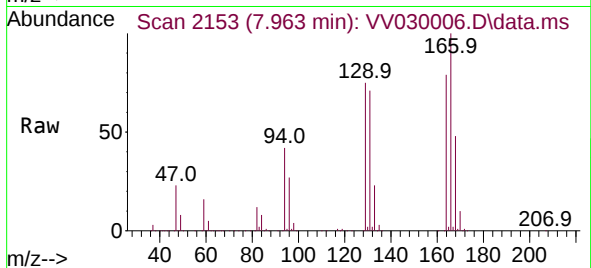
C0B42

Tgt Ion:129 Resp: 966599

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#52

Ethylbenzene

Concen: 0.056 ug/L

RT: 9.005 min Scan# 2477

Delta R.T. 0.003 min

Lab File: VV030006.D

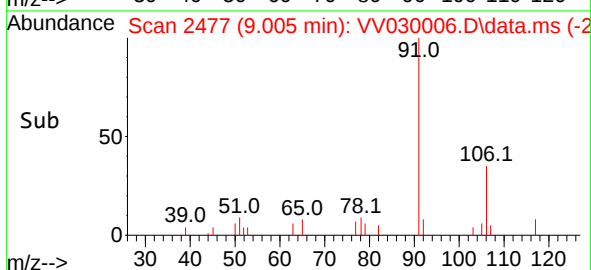
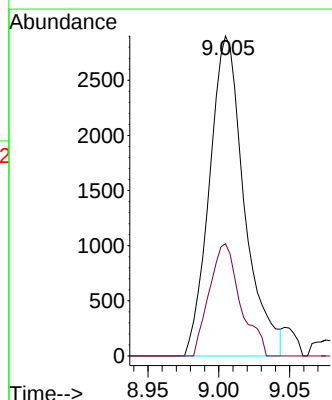
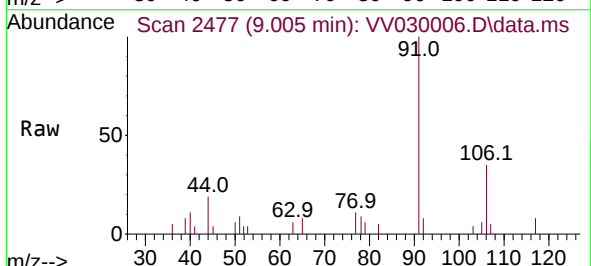
Acq: 31 Jan 2023 11:32

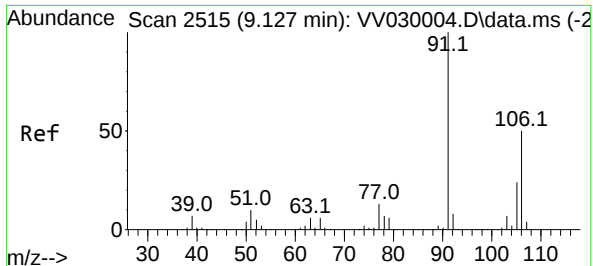
Tgt Ion: 91 Resp: 4948

Ion Ratio Lower Upper

91 100

106 35.1 21.9 40.7

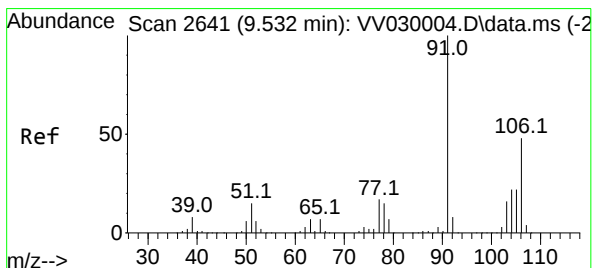
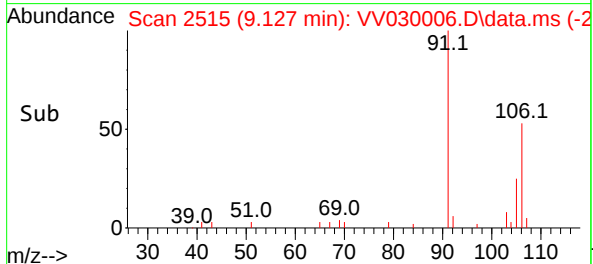
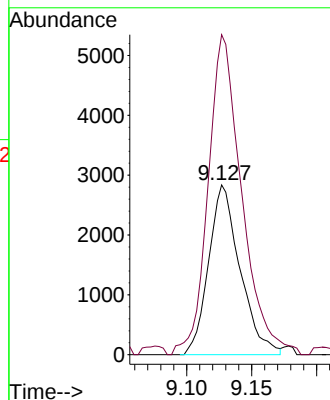
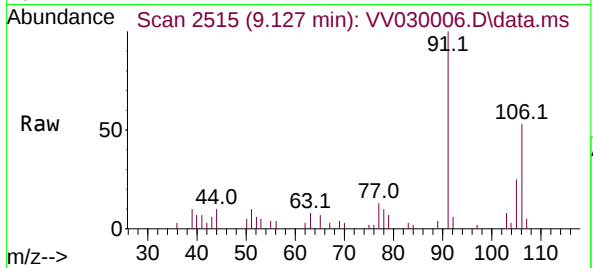




#53
m,p-Xylene
Concen: 0.136 ug/L
RT: 9.127 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030006.D
Acq: 31 Jan 2023 11:32

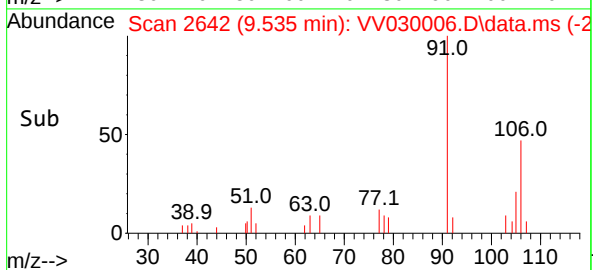
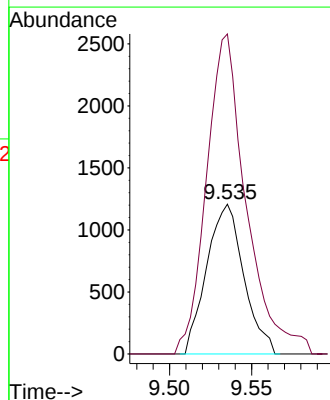
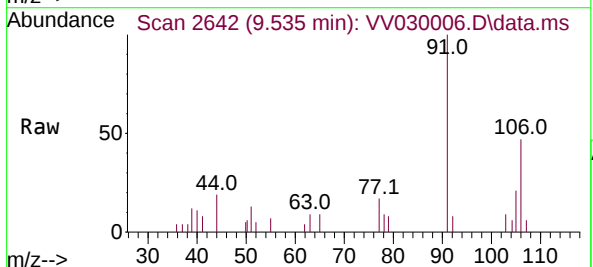
Instrument :
MSVOA_V
ClientSampleId :
C0B42

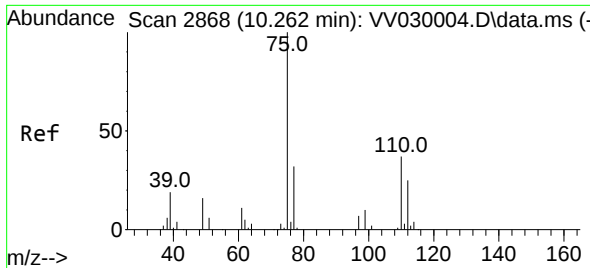
Tgt Ion:106 Resp: 4774
Ion Ratio Lower Upper
106 100
91 188.5 138.7 257.7



#54
o-Xylene
Concen: 0.057 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV030006.D
Acq: 31 Jan 2023 11:32

Tgt Ion:106 Resp: 1898
Ion Ratio Lower Upper
106 100
91 213.6 147.7 274.3

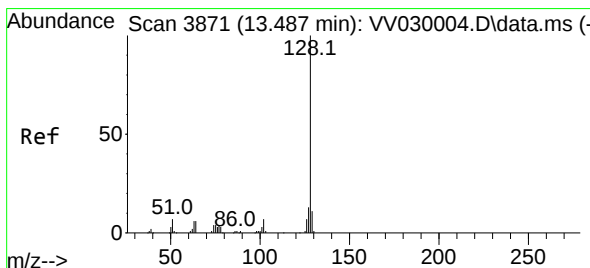
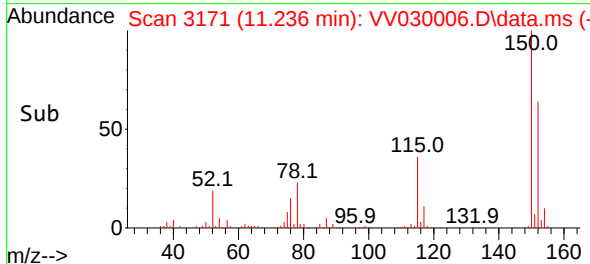
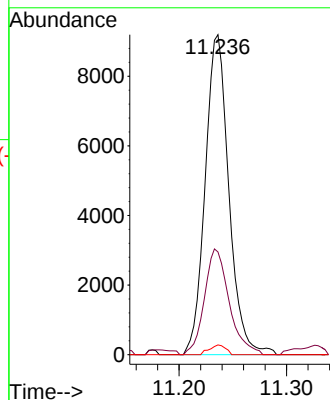
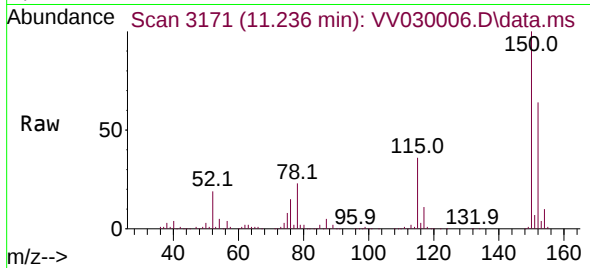




#61
1,2,3-Trichloropropane
Concen: 1.583 ug/L
RT: 11.236 min Scan# 31
Delta R.T. 0.974 min
Lab File: VV030006.D
Acq: 31 Jan 2023 11:32

Instrument :
MSVOA_V
ClientSampleId :
C0B42

Tgt Ion: 75 Resp: 14105
Ion Ratio Lower Upper
75 100
77 34.5 26.5 39.7
110 2.1 31.8 47.8#



#71
Naphthalene
Concen: 0.065 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. 0.003 min
Lab File: VV030006.D
Acq: 31 Jan 2023 11:32

Tgt Ion: 128 Resp: 2082
Ion Ratio Lower Upper
128 100
129 8.6 8.6 12.8
127 4.6 10.0 15.0#

