

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111622\
 Data File : VW029053.D
 Acq On : 17 Nov 2022 06:18
 Operator : SY/MD
 Sample : N5592-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AB1

Quant Time: Nov 17 06:47:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 17 04:20:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	276198	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	250183	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	116873	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	76361	4.535	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.600%
7) Chloroethane-d5	1.568	69	62771	4.240	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	2.108	63	121894	3.972	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.400%
20) 2-Butanone-d5	3.896	46	166966	59.236	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.480%
24) Chloroform-d	4.343	84	170252	4.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.031	65	77340	4.972	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.047	84	361257	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.066	67	103077	4.943	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.310	98	336407	5.004	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
43) trans-1,3-Dichloroprop...	7.619	79	33313	4.898	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.000%
46) 2-Hexanone-d5	8.088	63	137146	47.243	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.480%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	74948	5.184	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	11.616	152	121176	5.795	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1075	0.056	ug/L	93
5) Vinyl chloride	1.311	62	2278	0.105	ug/L #	1
6) Bromomethane	1.523	94	550	0.042	ug/L #	67
8) Chloroethane	1.307	64	6831	0.533	ug/L	99
12) 1,1-Dichloroethene	2.118	96	44073	2.636	ug/L #	80
17) Methyl tert-butyl Ether	2.767	73	1775	0.050	ug/L #	90
18) trans-1,2-Dichloroethene	2.761	96	761	0.039	ug/L	77
19) 1,1-Dichloroethane	3.191	63	7394	0.233	ug/L	89
22) cis-1,2-Dichloroethene	3.912	96	25951	1.316	ug/L	94
25) Chloroform	4.375	83	10928	0.329	ug/L	83
29) 1,1,1-Trichloroethane	4.606	97	1362	0.046	ug/L #	52
34) Trichloroethene	5.908	95	220719	11.277	ug/L	98
35) Methylcyclohexane	6.063	83	26989	0.785	ug/L #	21
39) cis-1,3-Dichloropropene	6.986	75	2370	0.096	ug/L #	73
45) 1,1,2-Trichloroethane	7.966	97	4487	0.389	ug/L #	1
47) Tetrachloroethene	7.969	164	571175	36.446	ug/L	99
49) Dibromochloromethane	7.969	129	497268	35.639	ug/L #	10
51) Chlorobenzene	8.879	112	13332	0.261	ug/L	94
61) 1,2,3-Trichloropropane	11.243	75	18572	2.325	ug/L #	57

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 17 04:20:13 2022
Response via : Initial Calibration

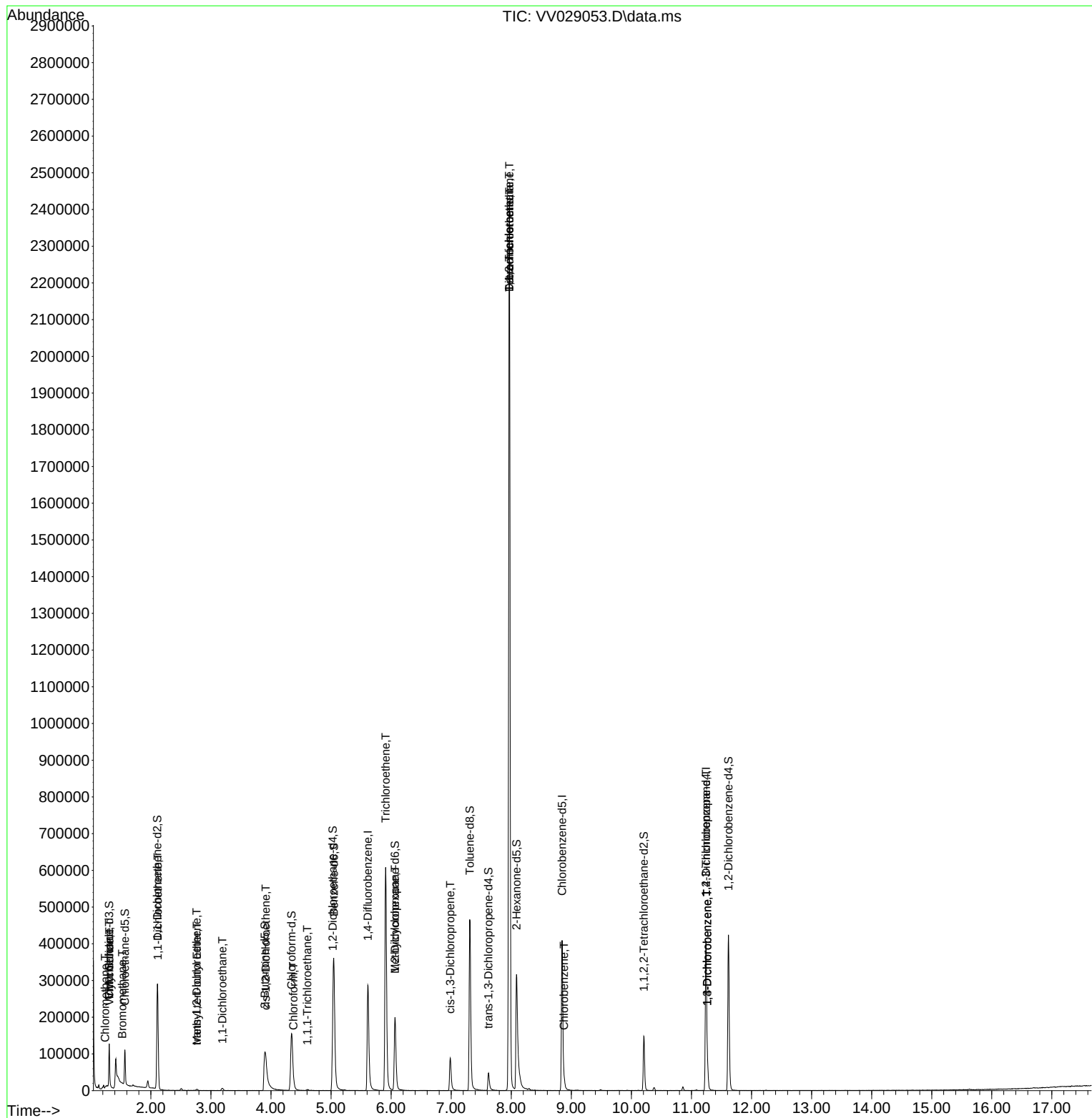
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.265	146	27513	0.772	ug/L	97
65) 1,4-Dichlorobenzene	11.265	146	27513	0.768	ug/L	97

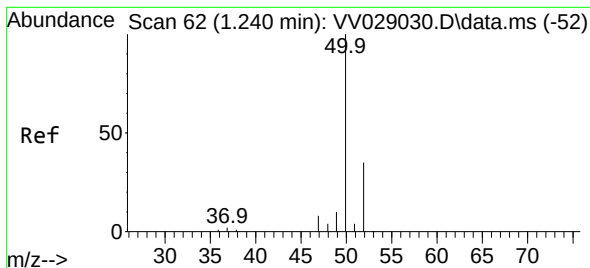
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.056 ug/L

RT: 1.240 min Scan# 61

Delta R.T. 0.000 min

Lab File: VV029053.D

Acq: 17 Nov 2022 06:18

Instrument :

MSVOA_V

ClientSampleId :

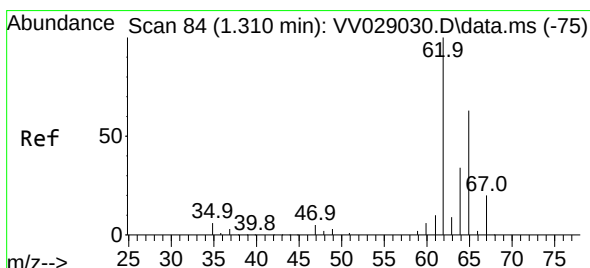
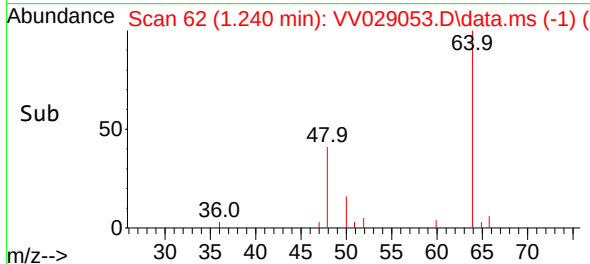
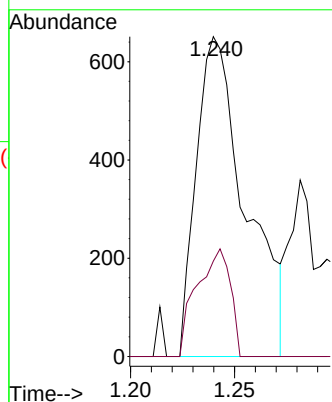
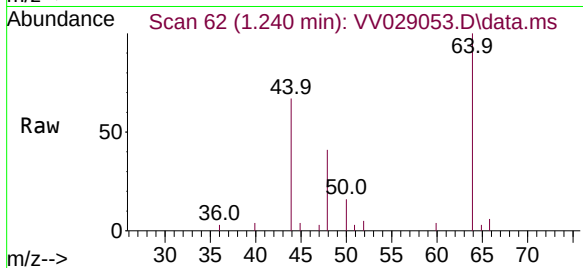
H0AB1

Tgt Ion: 50 Resp: 1075

Ion Ratio Lower Upper

50 100

52 29.8 23.7 43.9



#5

Vinyl chloride

Concen: 0.105 ug/L

RT: 1.311 min Scan# 84

Delta R.T. 0.000 min

Lab File: VV029053.D

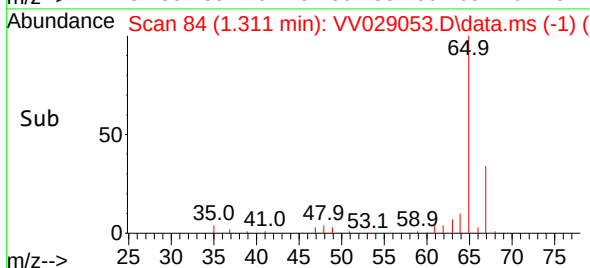
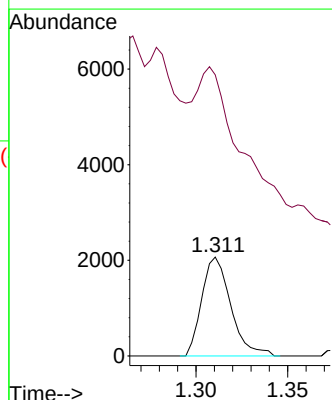
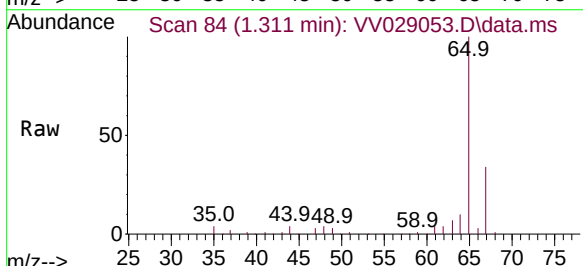
Acq: 17 Nov 2022 06:18

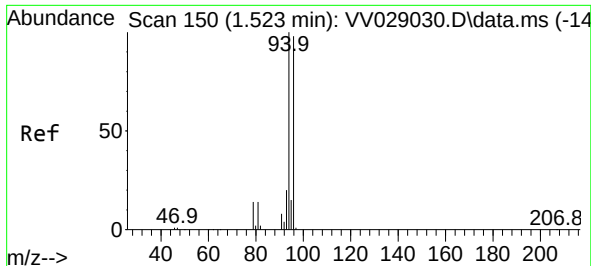
Tgt Ion: 62 Resp: 2278

Ion Ratio Lower Upper

62 100

64 284.5 22.8 42.4#

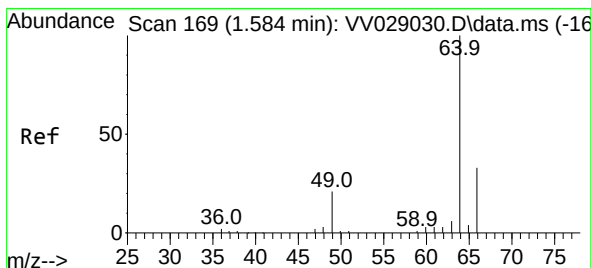
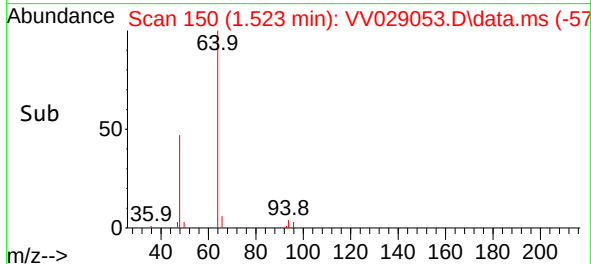
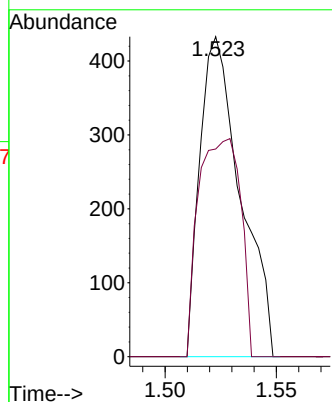
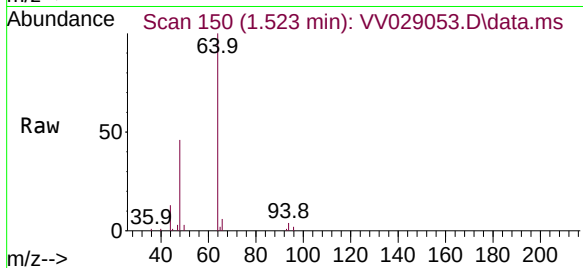




#6
Bromomethane
Concen: 0.042 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV029053.D
Acq: 17 Nov 2022 06:18

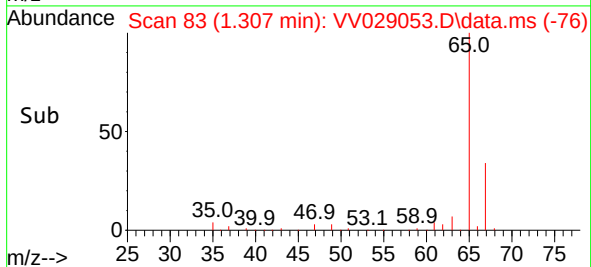
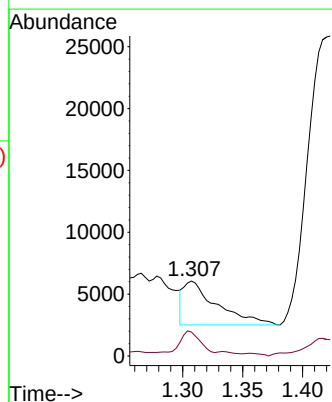
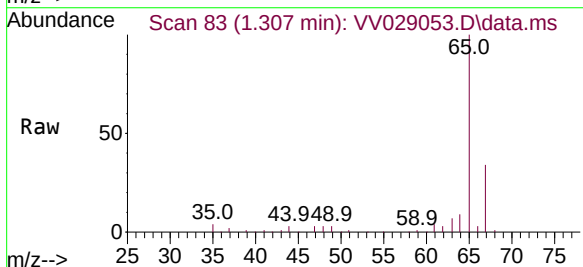
Instrument :
MSVOA_V
ClientSampleId :
H0AB1

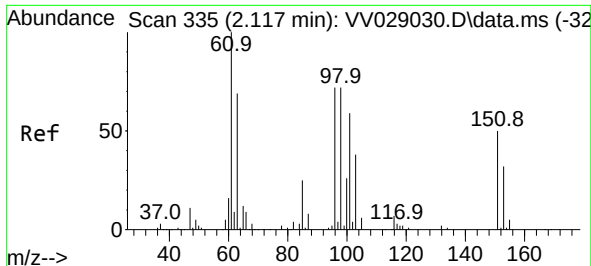
Tgt Ion: 94 Resp: 550
Ion Ratio Lower Upper
94 100
96 64.9 68.5 127.3#



#8
Chloroethane
Concen: 0.533 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.276 min
Lab File: VV029053.D
Acq: 17 Nov 2022 06:18

Tgt Ion: 64 Resp: 6831
Ion Ratio Lower Upper
64 100
66 31.8 22.0 40.8





#12

1,1-Dichloroethene

Concen: 2.636 ug/L

RT: 2.118 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV029053.D

Acq: 17 Nov 2022 06:18

Instrument :

MSVOA_V

ClientSampleId :

H0AB1

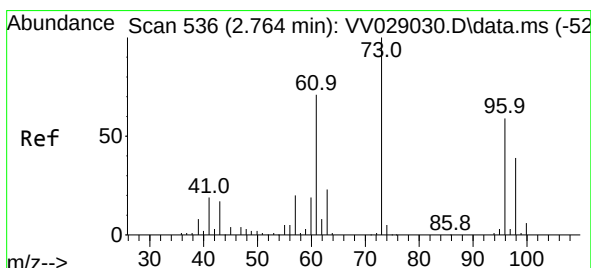
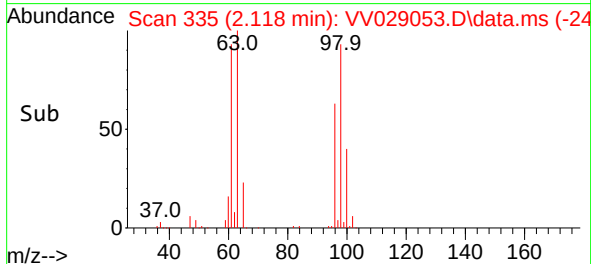
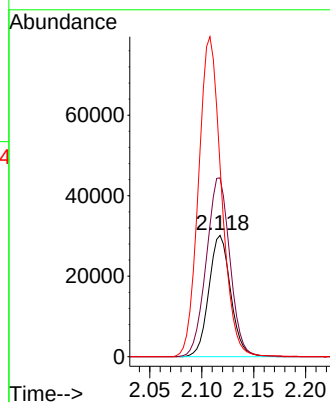
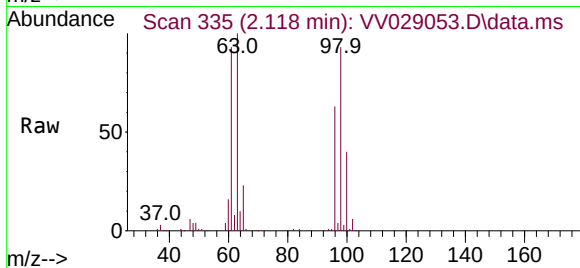
Tgt Ion: 96 Resp: 44073

Ion Ratio Lower Upper

96 100

61 147.4 104.2 193.4

63 157.6 75.9 140.9#



#17

Methyl tert-butyl Ether

Concen: 0.050 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.003 min

Lab File: VV029053.D

Acq: 17 Nov 2022 06:18

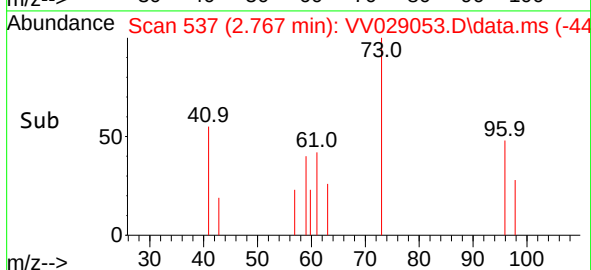
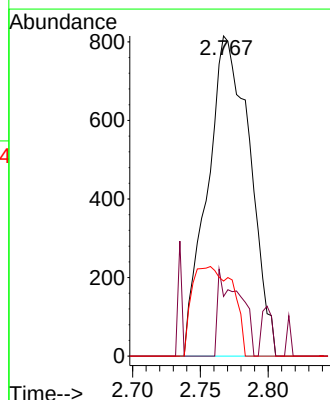
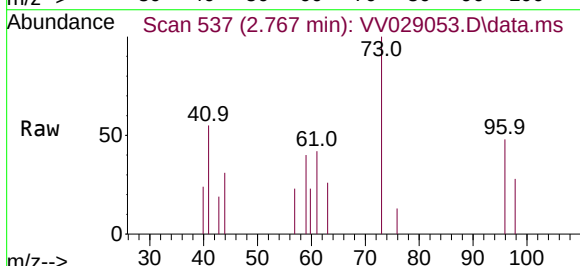
Tgt Ion: 73 Resp: 1775

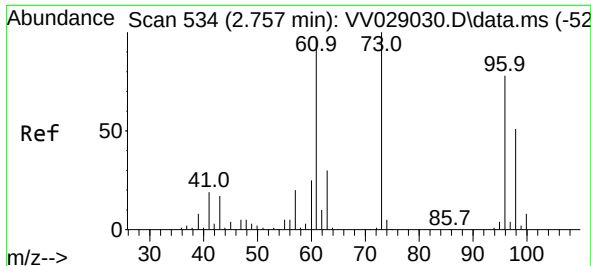
Ion Ratio Lower Upper

73 100

43 13.9 13.0 19.4

57 26.8 16.6 24.8#

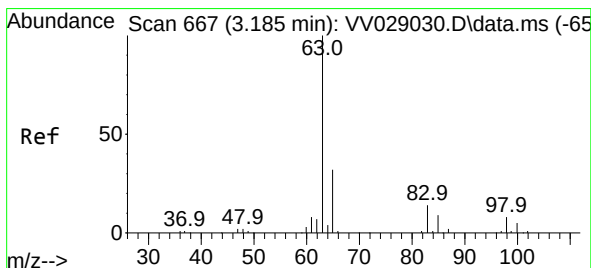
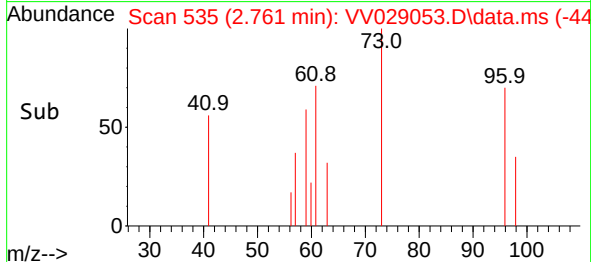
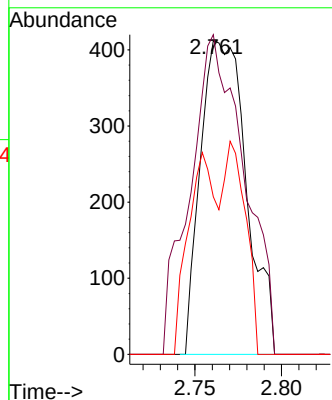
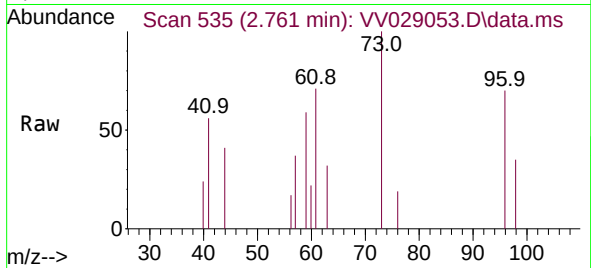




#18
trans-1,2-Dichloroethene
Concen: 0.039 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029053.D
Acq: 17 Nov 2022 06:18

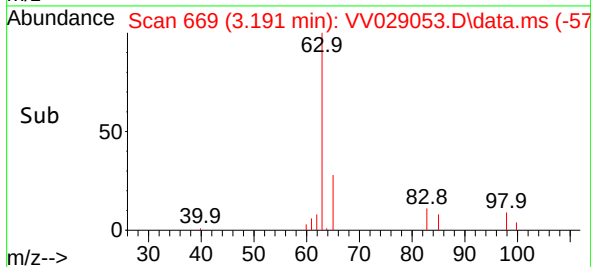
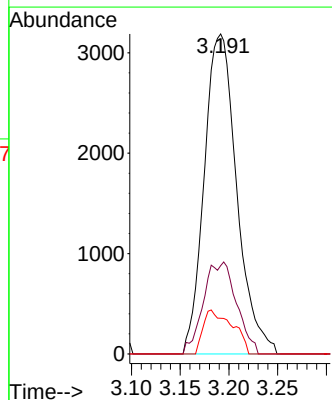
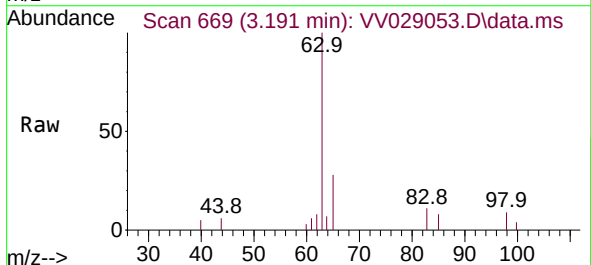
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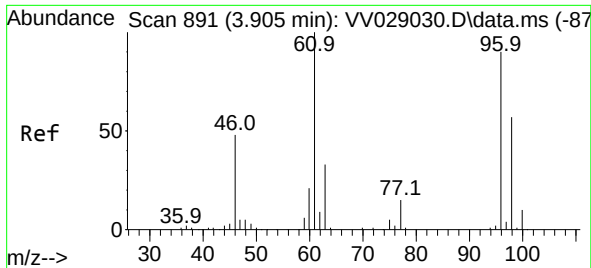
Tgt Ion: 96 Resp: 761
Ion Ratio Lower Upper
96 100
61 101.9 91.8 170.6
98 50.2 46.4 86.2



#19
1,1-Dichloroethane
Concen: 0.233 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.007 min
Lab File: VV029053.D
Acq: 17 Nov 2022 06:18

Tgt Ion: 63 Resp: 7394
Ion Ratio Lower Upper
63 100
65 25.8 23.0 42.6
83 10.4 9.4 17.6

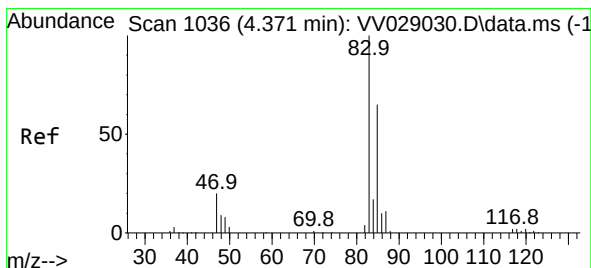
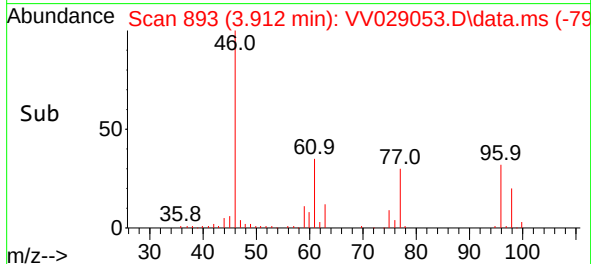
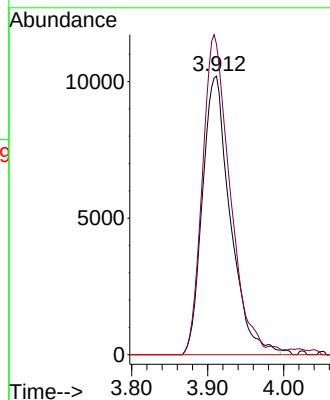
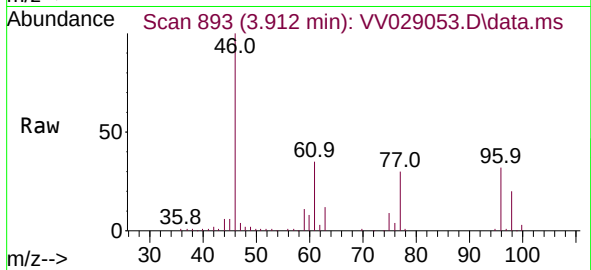




#22
 cis-1,2-Dichloroethene
 Concen: 1.316 ug/L
 RT: 3.912 min Scan# 891
 Delta R.T. 0.007 min
 Lab File: VV029053.D
 Acq: 17 Nov 2022 06:18

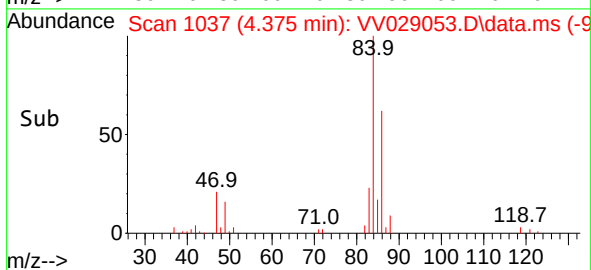
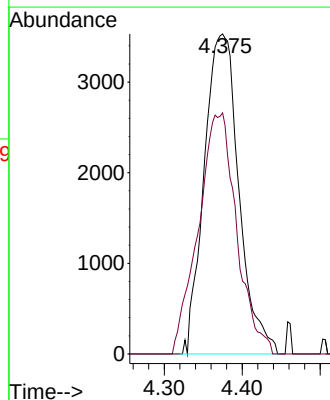
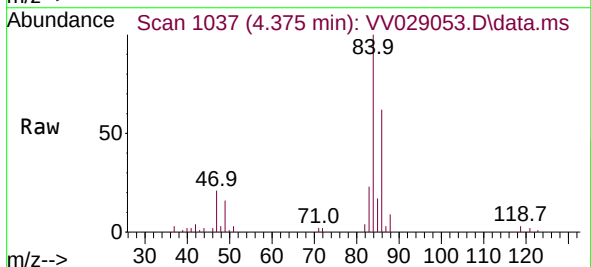
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 MSVOA_V
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 H0AB1

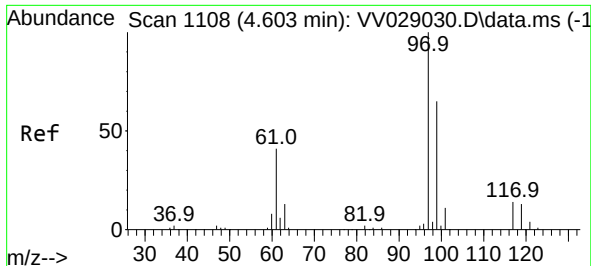
Tgt Ion: 96 Resp: 25951
 Ion Ratio Lower Upper
 96 100
 61 111.3 82.3 152.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.329 ug/L
 RT: 4.375 min Scan# 1037
 Delta R.T. 0.003 min
 Lab File: VV029053.D
 Acq: 17 Nov 2022 06:18

Tgt Ion: 83 Resp: 10928
 Ion Ratio Lower Upper
 83 100
 85 75.3 43.7 81.1





#29

1,1,1-Trichloroethane

Concen: 0.046 ug/L

RT: 4.606 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV029053.D

Acq: 17 Nov 2022 06:18

Instrument :

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ClientSampleId :

H0AB1

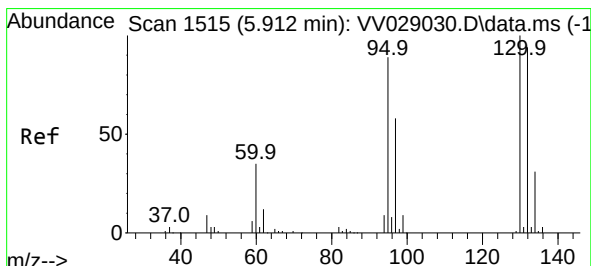
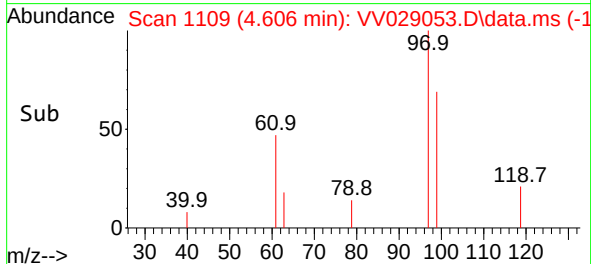
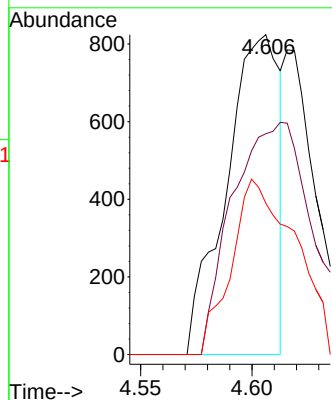
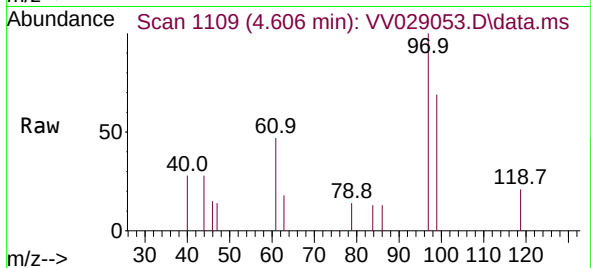
Tgt Ion: 97 Resp: 1362

Ion Ratio Lower Upper

97 100

99 109.4 52.7 79.1#

61 66.3 33.8 50.6#



#34

Trichloroethene

Concen: 11.277 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.003 min

Lab File: VV029053.D

Acq: 17 Nov 2022 06:18

Tgt Ion: 95 Resp: 220719

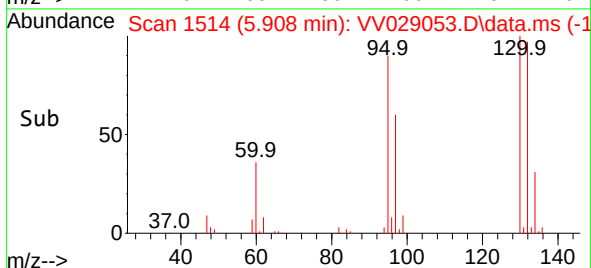
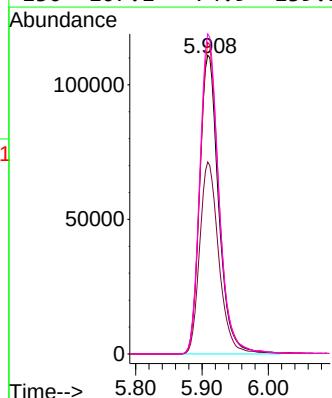
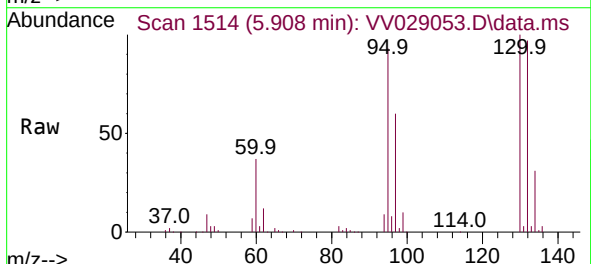
Ion Ratio Lower Upper

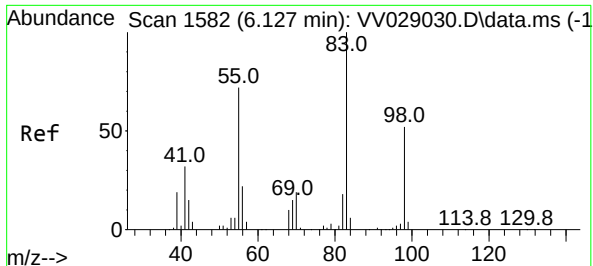
95 100

97 64.3 45.6 84.8

132 104.3 69.1 128.3

130 107.1 74.9 139.1

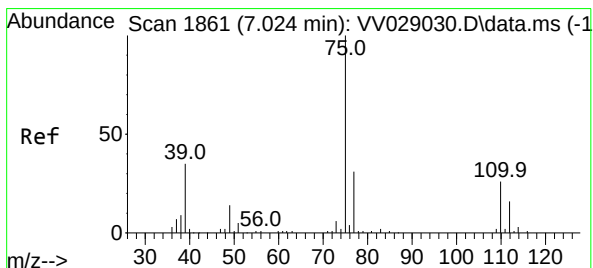
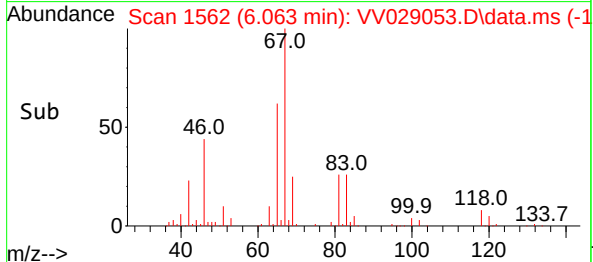
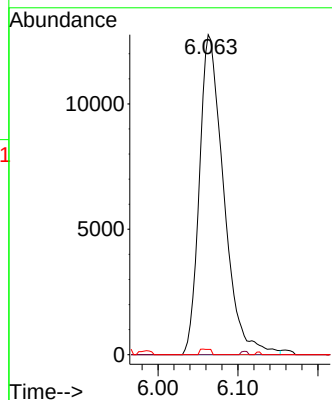
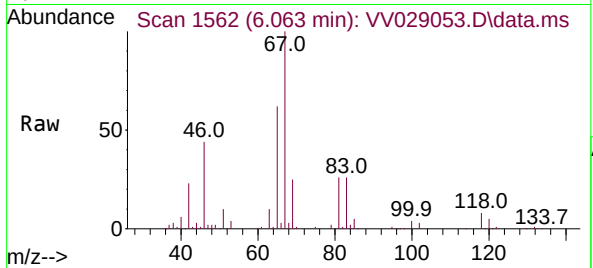




#35
Methylcyclohexane
Concen: 0.785 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.064 min
Lab File: VV029053.D
Acq: 17 Nov 2022 06:18

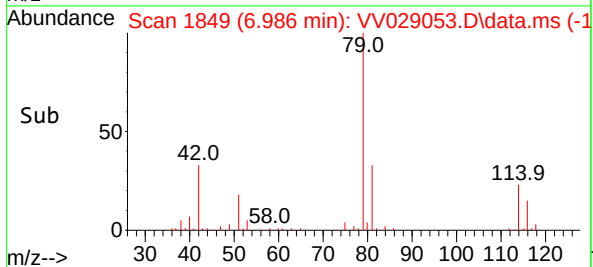
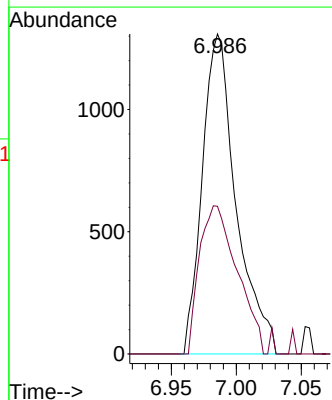
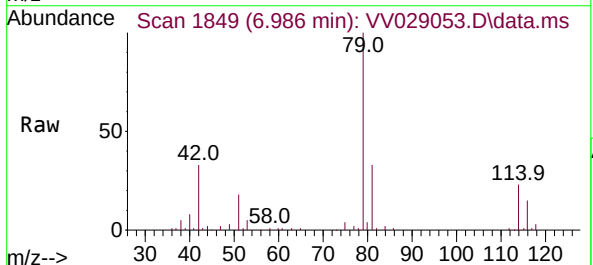
Instrument :
MSVOA_V
ClientSampleId :
H0AB1

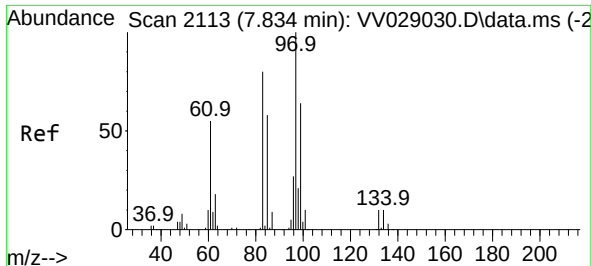
Tgt Ion: 83 Resp: 26989
Ion Ratio Lower Upper
83 100
55 0.3 55.8 83.6#
98 0.8 38.2 57.2#



#39
cis-1,3-Dichloropropene
Concen: 0.096 ug/L
RT: 6.986 min Scan# 1849
Delta R.T. -0.038 min
Lab File: VV029053.D
Acq: 17 Nov 2022 06:18

Tgt Ion: 75 Resp: 2370
Ion Ratio Lower Upper
75 100
77 46.1 21.8 40.6#

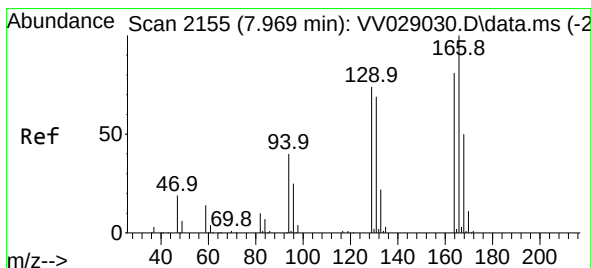
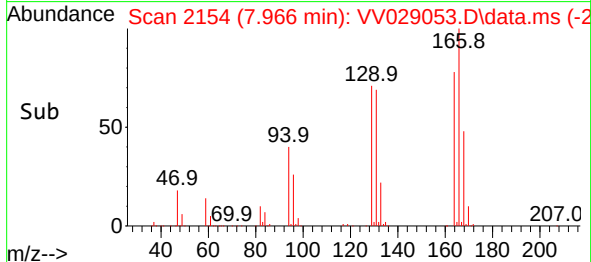
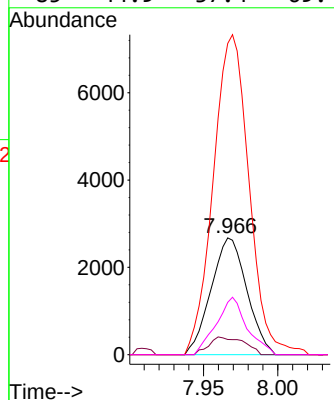
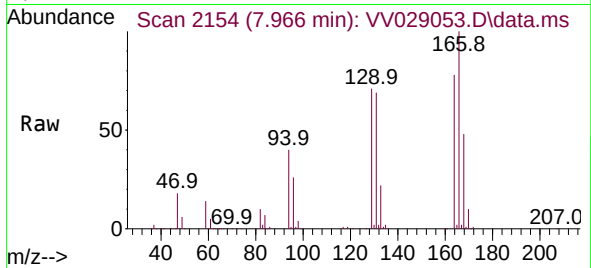




#45
1,1,2-Trichloroethane
Concen: 0.389 ug/L
RT: 7.966 min Scan# 2113
Delta R.T. 0.132 min
Lab File: VV029053.D
Acq: 17 Nov 2022 06:18

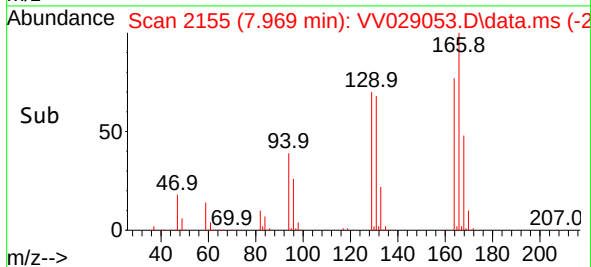
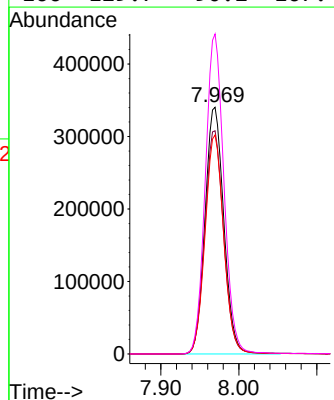
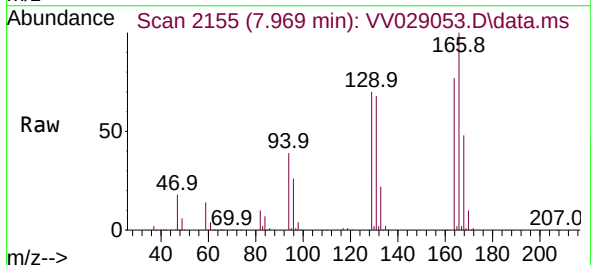
Instrument :
MSVOA_V
ClientSampleId :
H0AB1

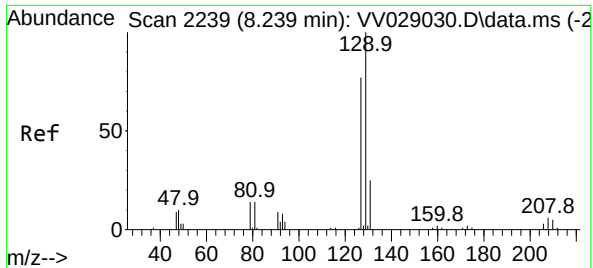
Tgt Ion: 97	Resp: 4487
Ion Ratio	Lower Upper
97 100	
99 13.1	41.5 77.1#
83 266.5	60.0 111.4#
85 44.9	37.4 69.4



#47
Tetrachloroethene
Concen: 36.446 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VV029053.D
Acq: 17 Nov 2022 06:18

Tgt Ion: 164	Resp: 571175
Ion Ratio	Lower Upper
164 100	
129 90.5	63.9 118.7
131 88.8	61.8 114.8
166 129.7	90.2 167.4





#49

Dibromochloromethane

Concen: 35.639 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV029053.D

Acq: 17 Nov 2022 06:18

Instrument :

MSVOA_V

ClientSampleId :

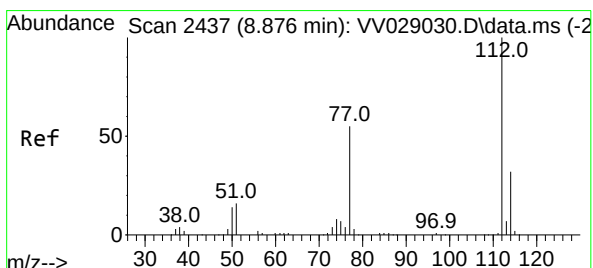
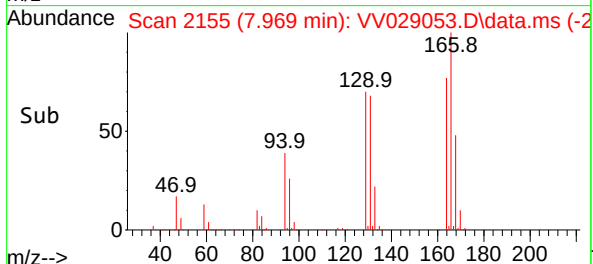
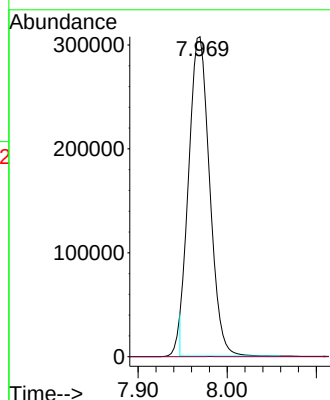
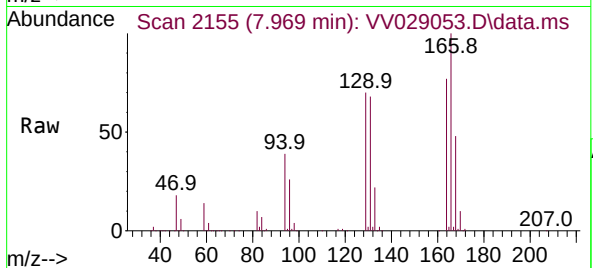
H0AB1

Tgt Ion:129 Resp: 497268

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#51

Chlorobenzene

Concen: 0.261 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.003 min

Lab File: VV029053.D

Acq: 17 Nov 2022 06:18

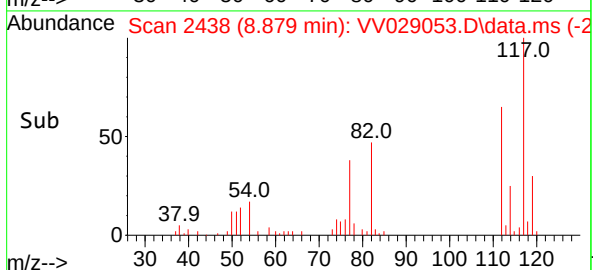
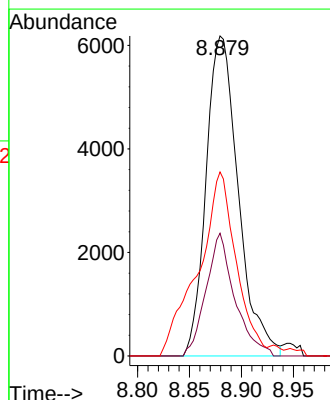
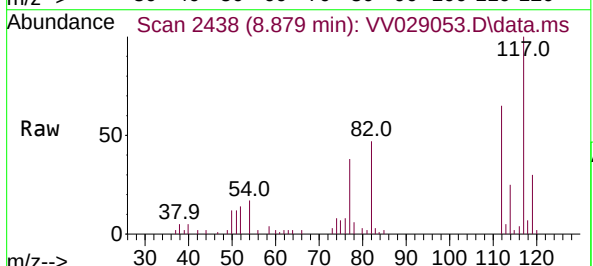
Tgt Ion:112 Resp: 13332

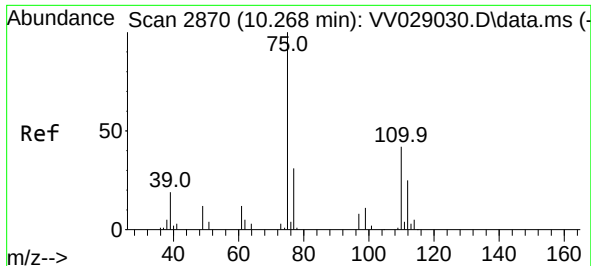
Ion Ratio Lower Upper

112 100

114 38.3 22.4 41.6

77 57.5 44.4 66.6

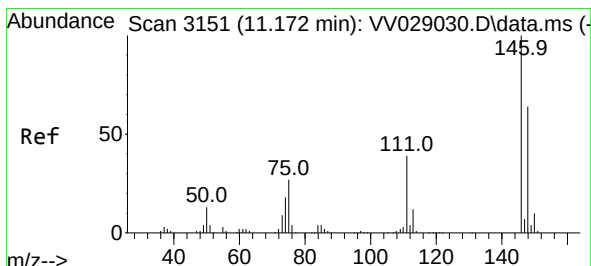
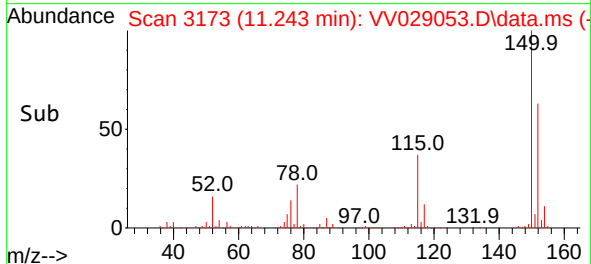
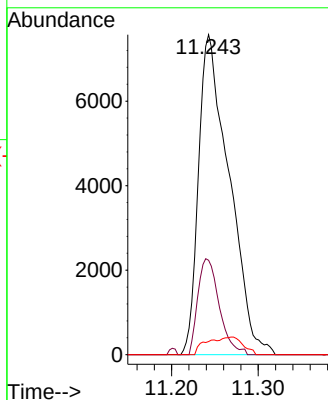
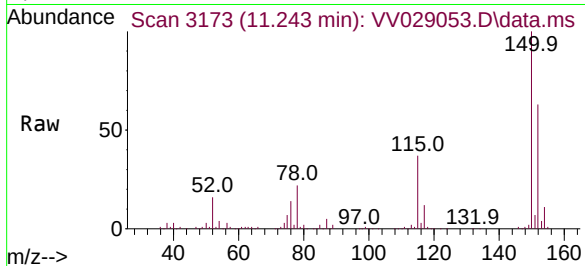




#61
1,2,3-Trichloropropane
Concen: 2.325 ug/L
RT: 11.243 min Scan# 3173
Delta R.T. 0.974 min
Lab File: VV029053.D
Acq: 17 Nov 2022 06:18

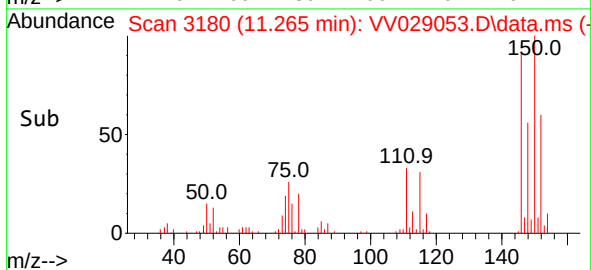
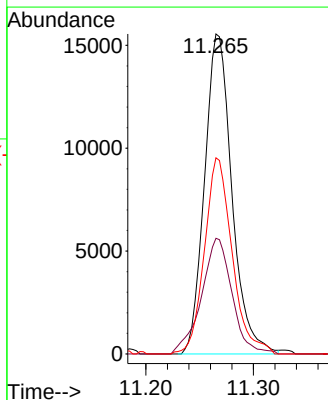
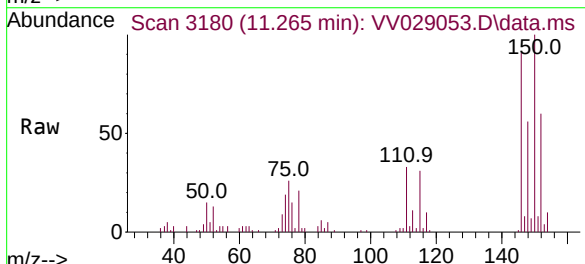
Instrument :
MSVOA_V
ClientSampleId :
H0AB1

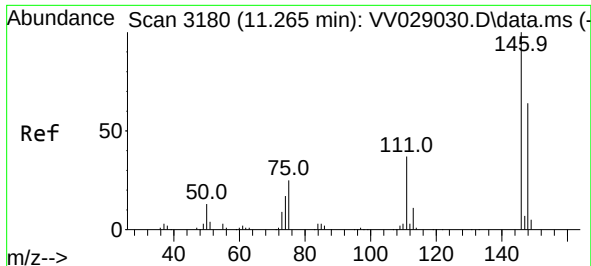
Tgt Ion: 75 Resp: 18572
Ion Ratio Lower Upper
75 100
77 21.0 26.2 39.2#
110 2.5 32.6 48.8#



#64
1,3-Dichlorobenzene
Concen: 0.772 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.093 min
Lab File: VV029053.D
Acq: 17 Nov 2022 06:18

Tgt Ion:146 Resp: 27513
Ion Ratio Lower Upper
146 100
111 36.2 26.9 50.1
148 61.3 44.1 81.9





#65

1,4-Dichlorobenzene

Concen: 0.768 ug/L

RT: 11.265 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV029053.D

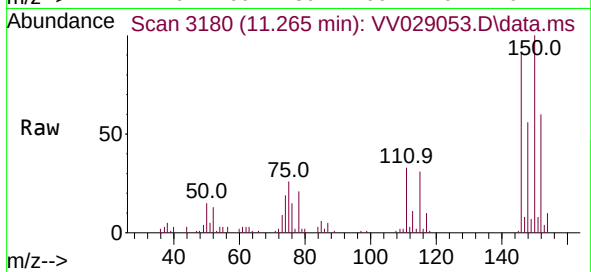
Acq: 17 Nov 2022 06:18

Instrument :

MSVOA_V

ClientSampleId :

H0AB1



Tgt Ion:146 Resp: 27513

Ion Ratio Lower Upper

146 100

111 36.2 26.5 49.3

148 61.3 44.5 82.7

