

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VW029596.D
 Acq On : 12 Dec 2022 15:28
 Operator : SY/MD
 Sample : N5915-09DL 5X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5N08DL

Quant Time: Dec 13 03:38:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 03:35:01 2022
 Response via : Initial Calibration

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

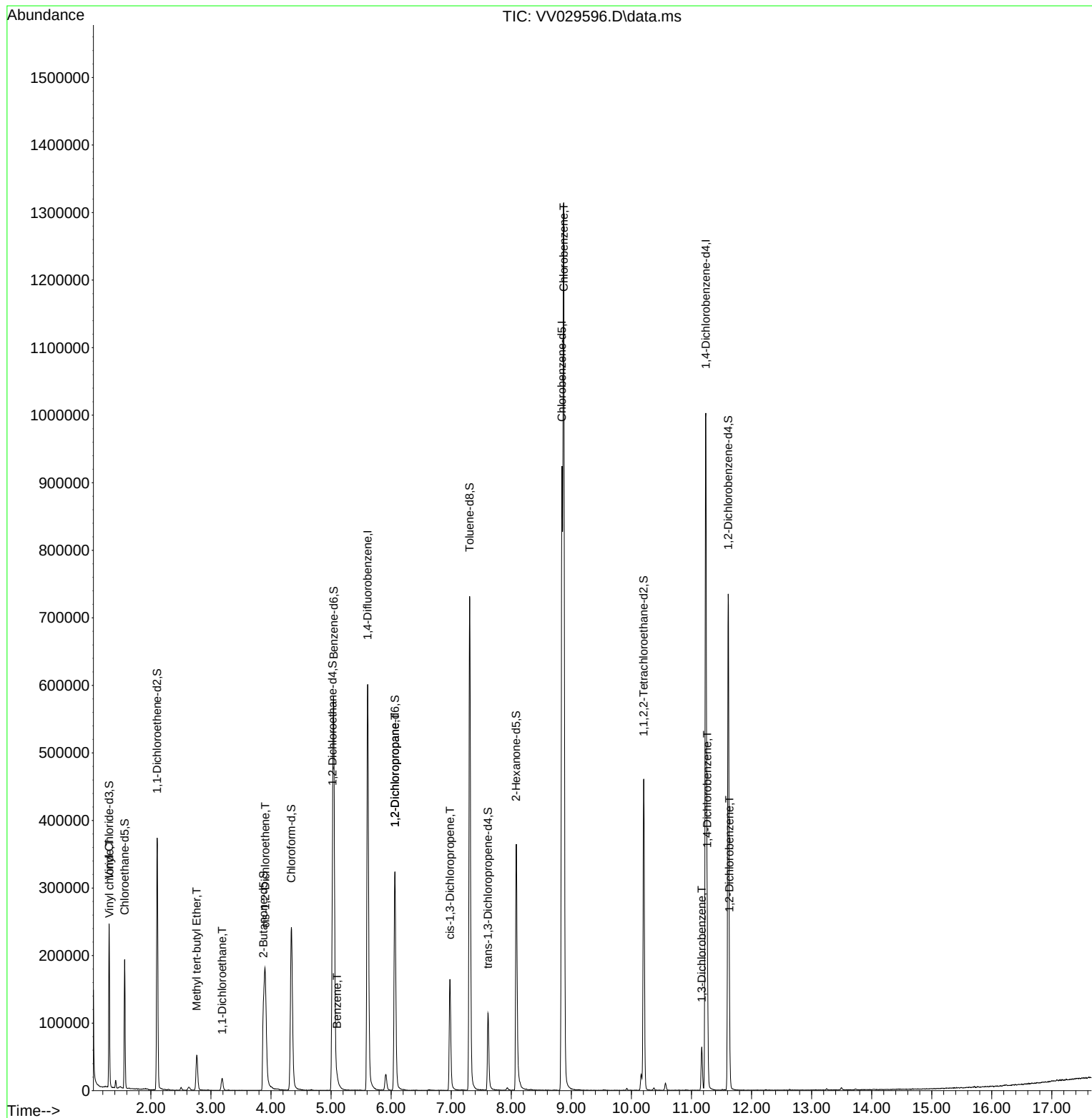
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	550191	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	505982	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	268502	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	150311	44.614	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.220%
7) Chloroethane-d5	1.564	69	120072	46.738	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.480%
11) 1,1-Dichloroethene-d2	2.104	63	192031	36.543	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.080%
21) 2-Butanone-d5	3.873	46	175640	85.459	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.460%
24) Chloroform-d	4.339	84	258296	40.740	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.480%
26) 1,2-Dichloroethane-d4	5.024	65	153588	42.415	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.840%
32) Benzene-d6	5.043	84	565545	42.300	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.063	67	169623	41.535	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.080%
41) Toluene-d8	7.307	98	512157	40.656	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.320%
43) trans-1,3-Dichloroprop...	7.612	79	71755	34.796	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.600%
47) 2-Hexanone-d5	8.082	63	142097	81.483	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.480%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	230473	39.493	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.980%
66) 1,2-Dichlorobenzene-d4	11.612	152	198509	38.838	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.680%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	5682	1.374	ug/L #	58
18) Methyl tert-butyl Ether	2.764	73	55476	5.343	ug/L	98
19) 1,1-Dichloroethane	3.185	63	19641	3.383	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	78280	21.008	ug/L	97
33) Benzene	5.098	78	12242	0.858	ug/L	100
37) 1,2-Dichloropropane	6.063	63	17660	5.130	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	4030	0.712	ug/L #	57
51) Chlorobenzene	8.873	112	724630	74.546	ug/L	100
64) 1,3-Dichlorobenzene	11.172	146	28243	3.664	ug/L	97
65) 1,4-Dichlorobenzene	11.262	146	91183	11.640	ug/L	99
67) 1,2-Dichlorobenzene	11.631	146	17215	2.184	ug/L	96

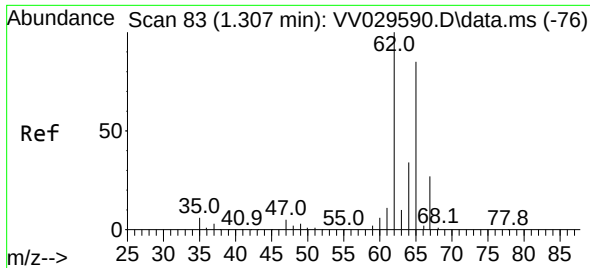
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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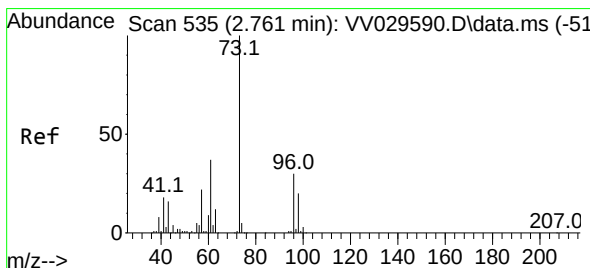
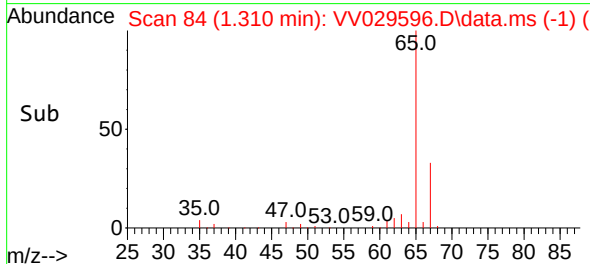
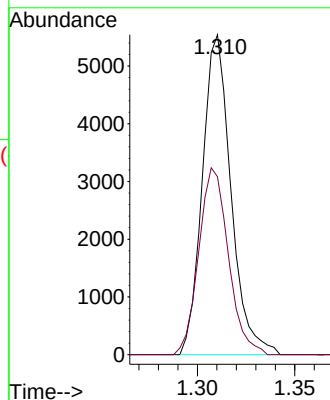
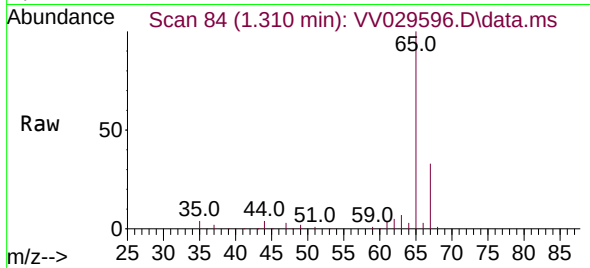




#5
 Vinyl chloride
 Concen: 1.374 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029596.D
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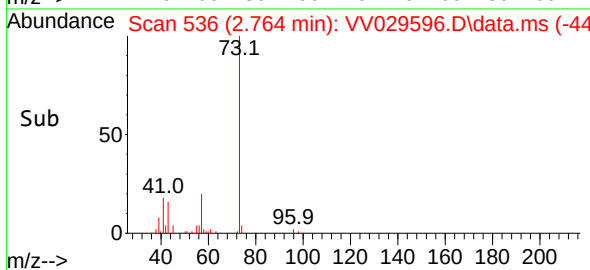
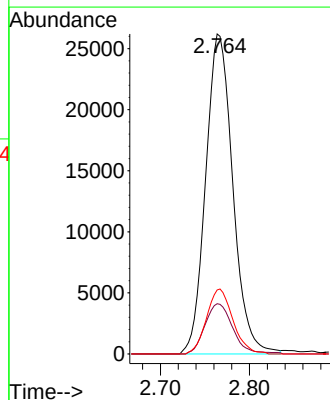
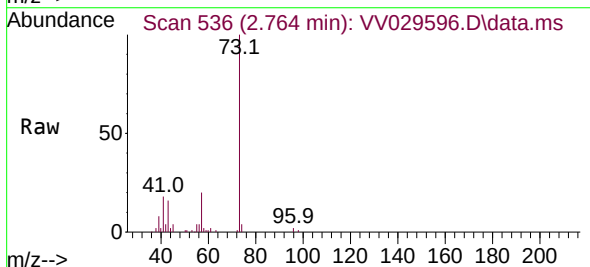
Instrument :
 MSVOA_V
 ClientSampleId :
 F5N08DL

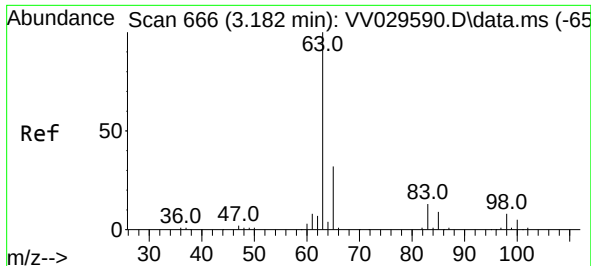
Tgt Ion: 62 Resp: 5682
 Ion Ratio Lower Upper
 62 100
 64 55.6 22.5 41.9#



#18
 Methyl tert-butyl Ether
 Concen: 5.343 ug/L
 RT: 2.764 min Scan# 536
 Delta R.T. 0.003 min
 Lab File: VV029596.D
 Acq: 12 Dec 2022 15:28

Tgt Ion: 73 Resp: 55476
 Ion Ratio Lower Upper
 73 100
 43 16.0 12.7 19.1
 57 19.7 16.7 25.1





#19

1,1-Dichloroethane

Concen: 3.383 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029596.D

Acq: 12 Dec 2022 15:28

Instrument :

MSVOA_V

ClientSampleId :

F5N08DL

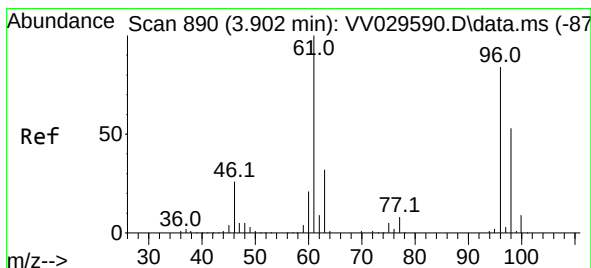
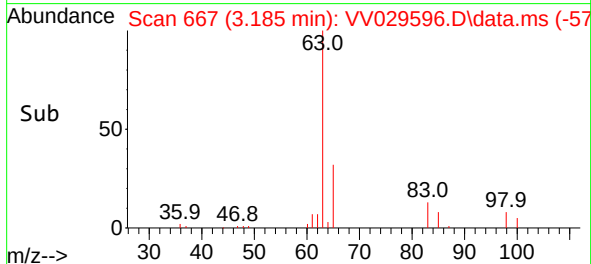
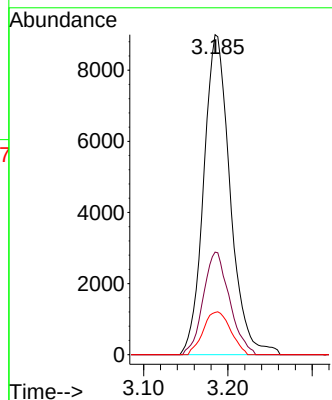
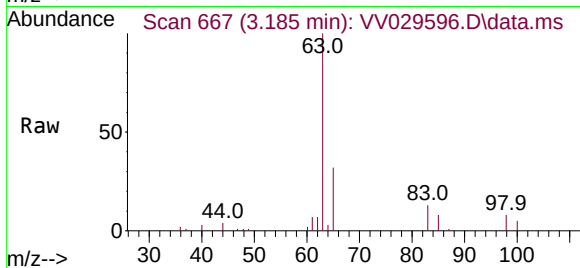
Tgt Ion: 63 Resp: 19641

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

83 13.2 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 21.008 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV029596.D

Acq: 12 Dec 2022 15:28

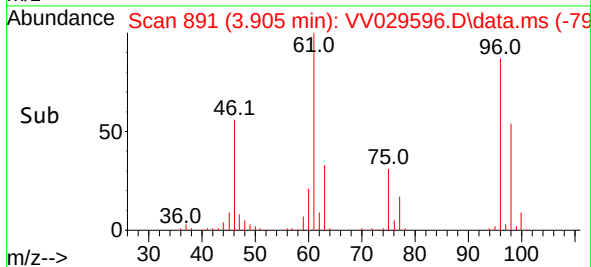
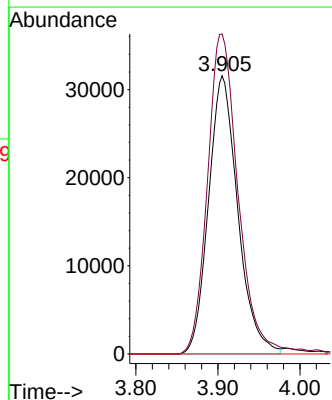
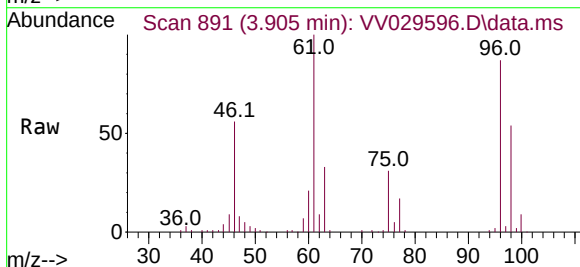
Tgt Ion: 96 Resp: 78280

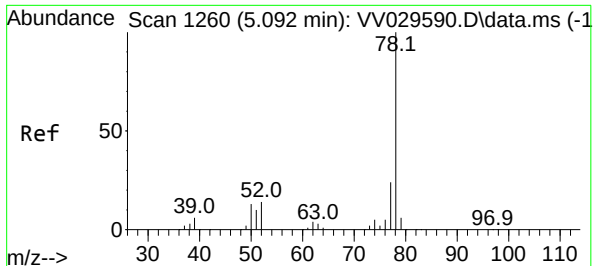
Ion Ratio Lower Upper

96 100

61 115.0 78.0 144.9

68 0.0 0.0 0.0

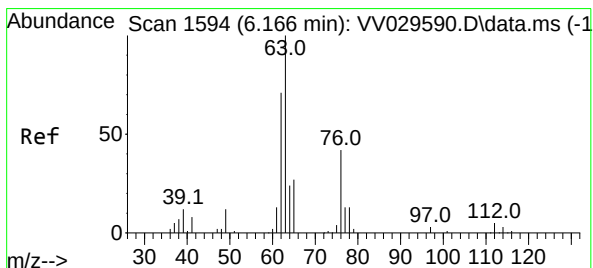
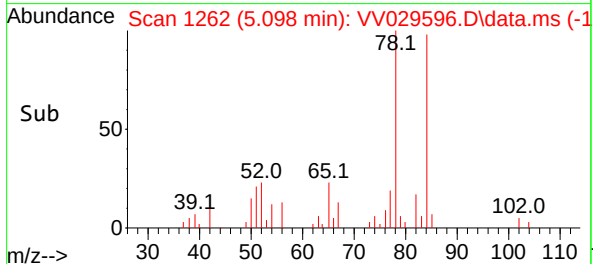
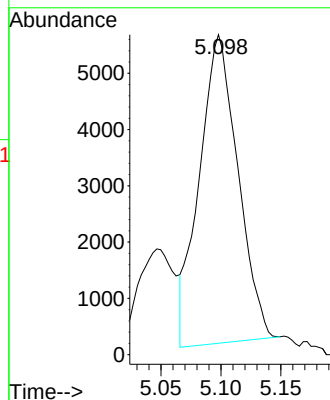
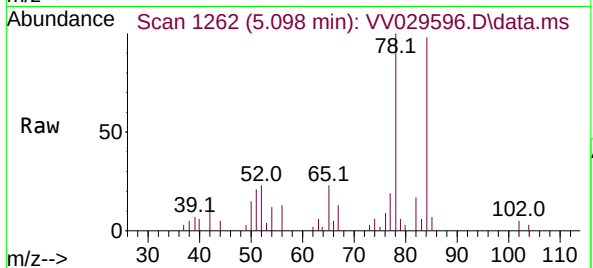




#33
Benzene
Concen: 0.858 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV029596.D
Acq: 12 Dec 2022 15:28

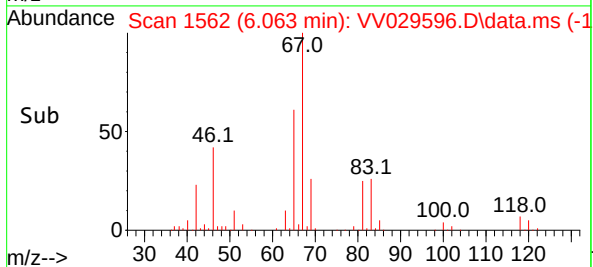
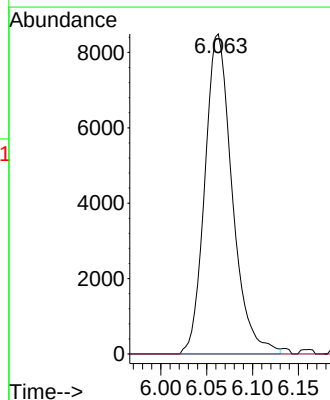
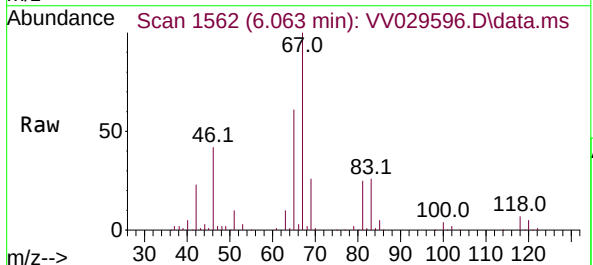
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F5N08DL

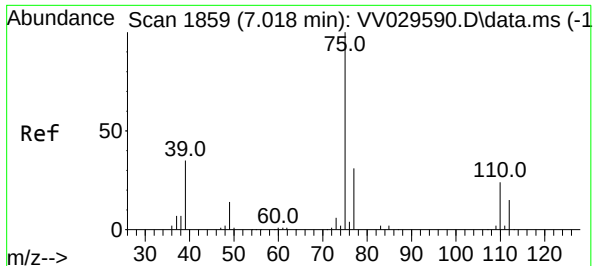
Tgt Ion: 78 Resp: 12242



#37
1,2-Dichloropropane
Concen: 5.130 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.103 min
Lab File: VV029596.D
Acq: 12 Dec 2022 15:28

Tgt Ion: 63 Resp: 17660
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.712 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.036 min

Lab File: VV029596.D

Acq: 12 Dec 2022 15:28

Instrument :

MSVOA_V

ClientSampleId :

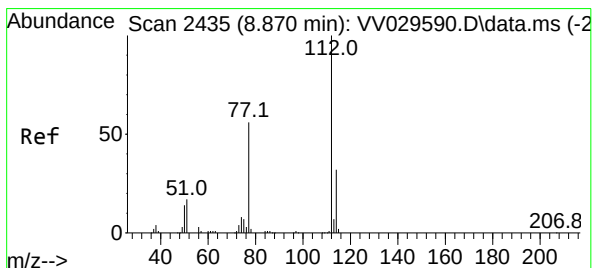
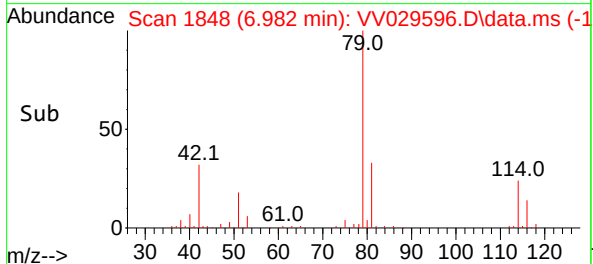
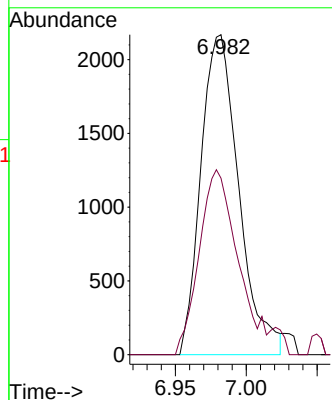
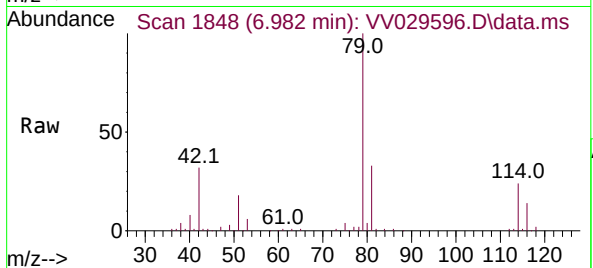
F5N08DL

Tgt Ion: 75 Resp: 4030

Ion Ratio Lower Upper

75 100

77 55.1 21.9 40.7#



#51

Chlorobenzene

Concen: 74.546 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.003 min

Lab File: VV029596.D

Acq: 12 Dec 2022 15:28

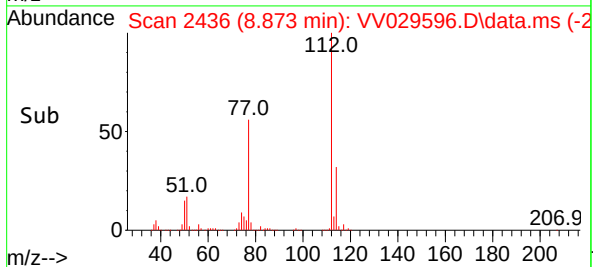
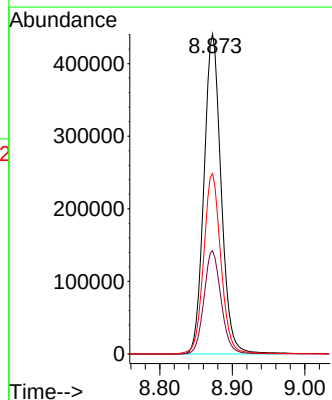
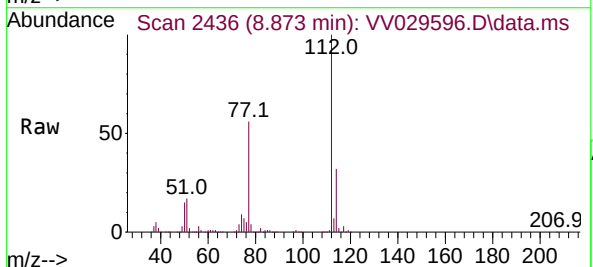
Tgt Ion: 112 Resp: 724630

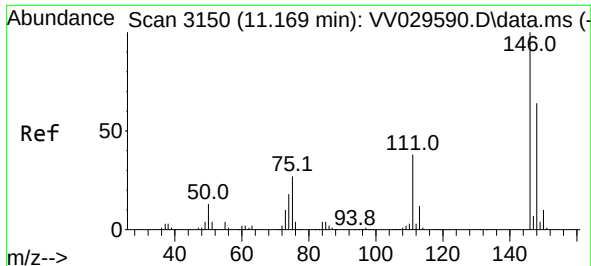
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.3

77 56.4 45.0 67.4

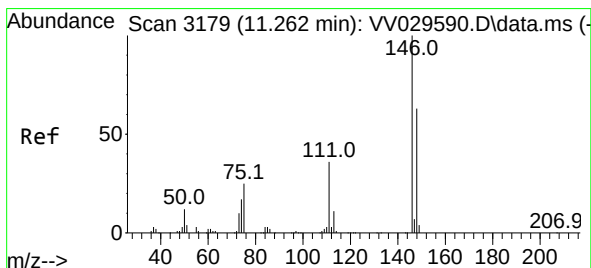
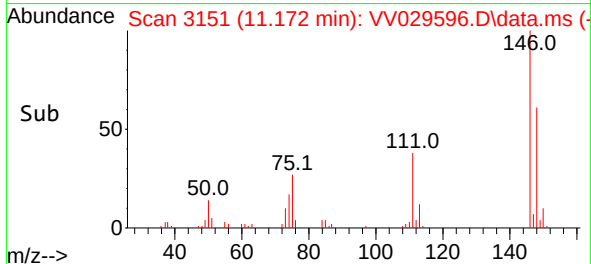
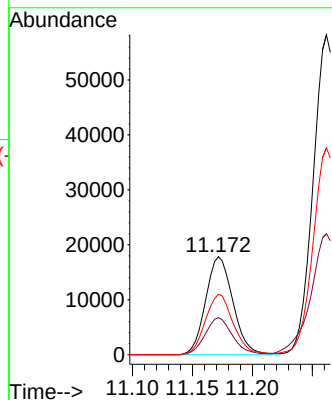
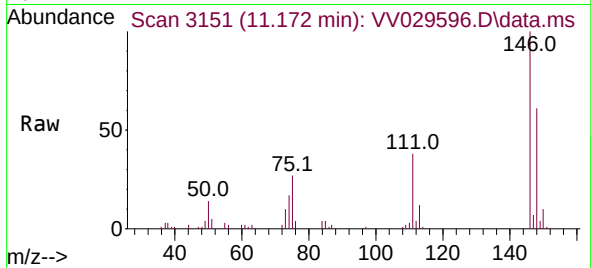




#64
1,3-Dichlorobenzene
Concen: 3.664 ug/L
RT: 11.172 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VV029596.D
Acq: 12 Dec 2022 15:28

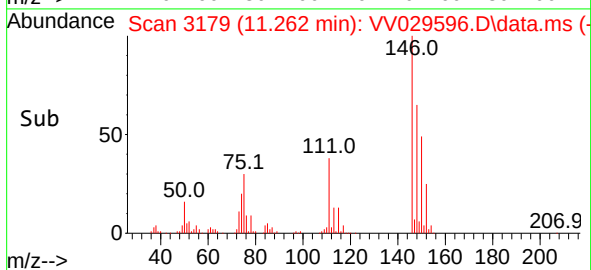
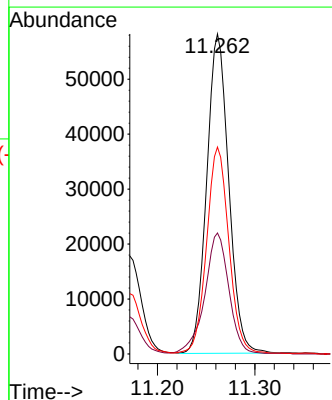
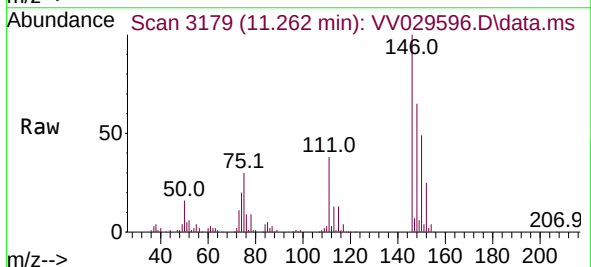
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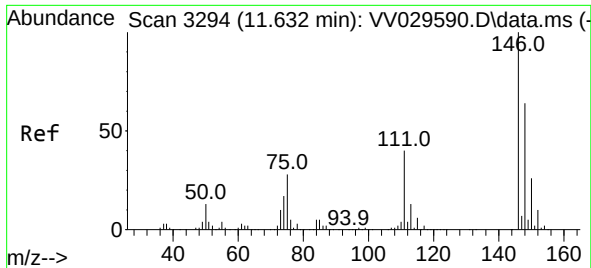
Tgt Ion:146 Resp: 28243
Ion Ratio Lower Upper
146 100
111 37.9 27.4 51.0
148 61.4 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 11.640 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV029596.D
Acq: 12 Dec 2022 15:28

Tgt Ion:146 Resp: 91183
Ion Ratio Lower Upper
146 100
111 37.8 26.2 48.8
148 64.6 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 2.184 ug/L

RT: 11.631 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV029596.D

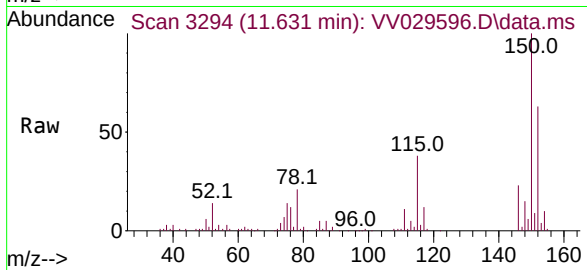
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Instrument :

MSVOA_V

ClientSampleId :

F5N08DL



Tgt Ion:146 Resp: 17215

Ion Ratio Lower Upper

146 100

111 45.1 32.0 48.0

148 62.2 50.6 76.0

