

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VW029628.D
 Acq On : 13 Dec 2022 04:22
 Operator : SY/MD
 Sample : N5928-05DL 10X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ68DL

Quant Time: Dec 13 05:27:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 04:57:44 2022
 Response via : Initial Calibration

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

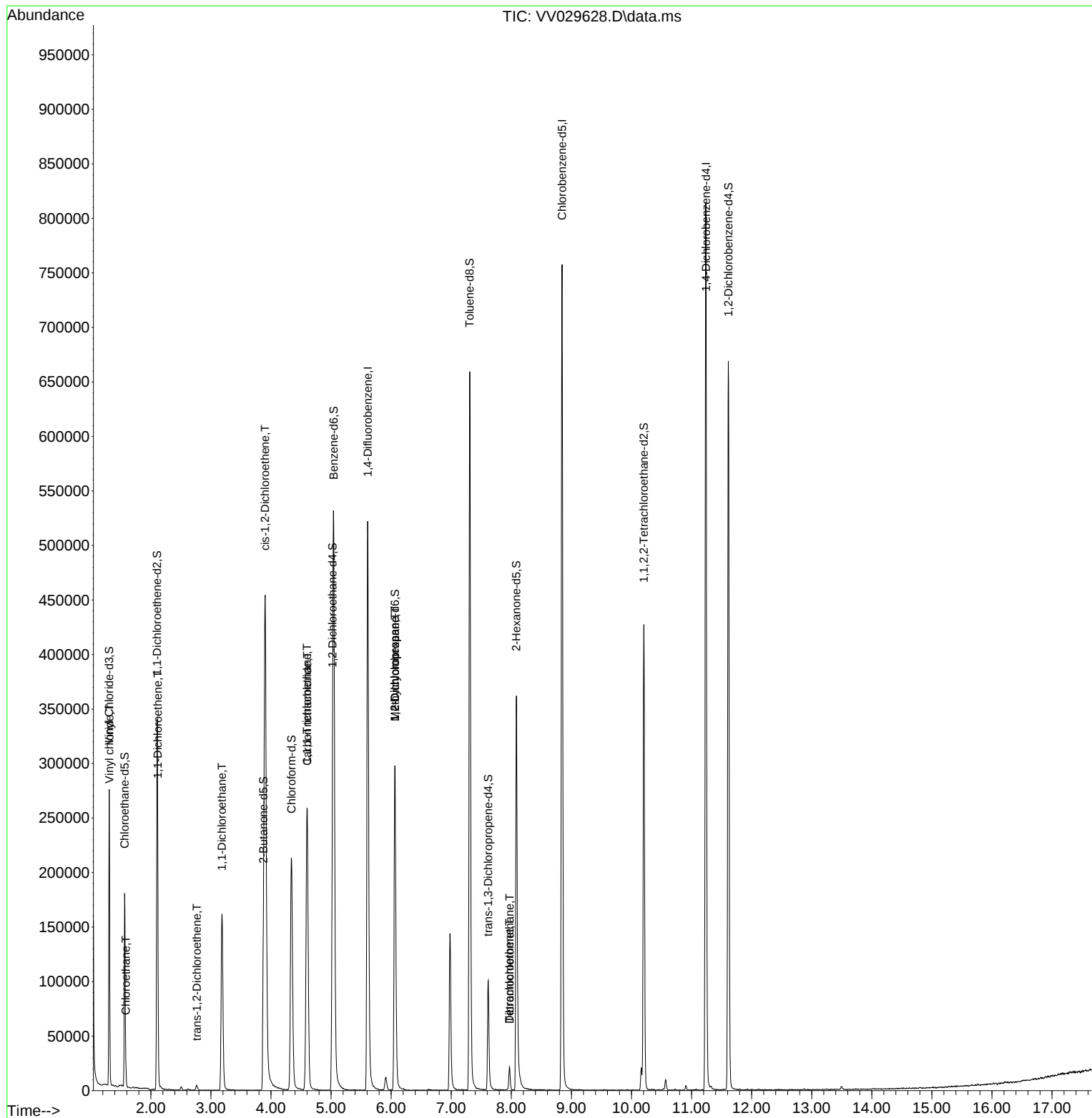
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	480281	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	443051	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	227083	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	141467	48.101	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.200%		
7) Chloroethane-d5	1.564	69	111205	49.587	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.180%		
11) 1,1-Dichloroethene-d2	2.105	63	178242	38.856	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.720%		
21) 2-Butanone-d5	3.873	46	171346	95.505	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.500%		
24) Chloroform-d	4.339	84	233350	42.163	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.320%		
26) 1,2-Dichloroethane-d4	5.024	65	140513	44.453	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.900%		
32) Benzene-d6	5.043	84	516495	44.119	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.240%		
36) 1,2-Dichloropropane-d6	6.063	67	154991	43.343	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.680%		
41) Toluene-d8	7.307	98	460199	41.721	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.440%		
43) trans-1,3-Dichloroprop...	7.616	79	61541	34.081	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.160%		
47) 2-Hexanone-d5	8.085	63	139239	91.185	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.180%		
56) 1,1,2,2-Tetrachloroeth...	10.204	84	215805	42.232	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.460%		
66) 1,2-Dichlorobenzene-d4	11.612	152	185419	42.893	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.780%		
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	35751	9.907	ug/L	94
8) Chloroethane	1.584	64	8651	4.305	ug/L	93
12) 1,1-Dichloroethene	2.114	96	5145	2.004	ug/L #	1
17) trans-1,2-Dichloroethene	2.764	96	1840	0.622	ug/L	93
19) 1,1-Dichloroethane	3.182	63	168693	33.289	ug/L	98
20) cis-1,2-Dichloroethene	3.902	96	240024	73.792	ug/L	96
30) 1,1,1-Trichloroethane	4.600	97	218617	45.290	ug/L	98
31) Carbon tetrachloride	4.603	117	29927	7.100	ug/L	97
35) Methylcyclohexane	6.063	83	37016	6.964	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	16204	5.376	ug/L #	85
46) Tetrachloroethene	7.969	164	4686	1.862	ug/L	95
49) Dibromochloromethane	7.973	129	4401	1.280	ug/L #	10

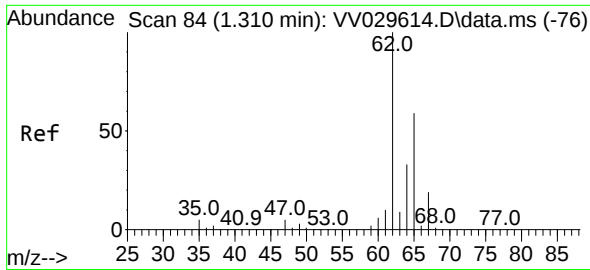
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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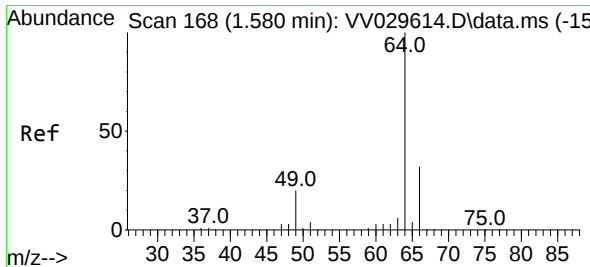
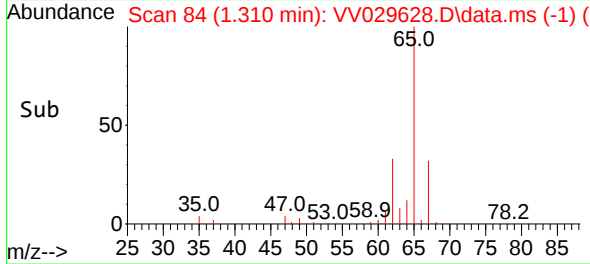
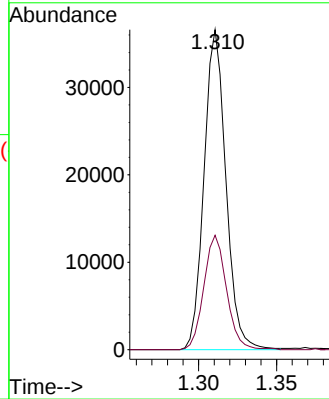
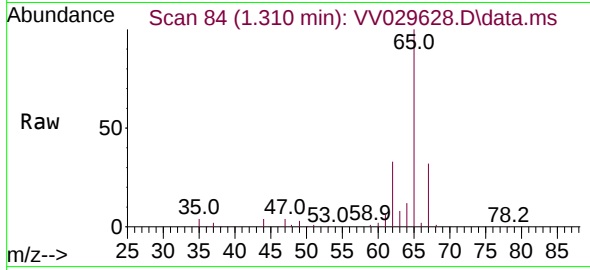




#5
 Vinyl chloride
 Concen: 9.907 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029628.D
 Acq: 13 Dec 2022 04:22

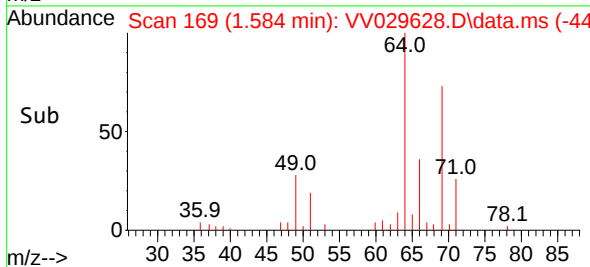
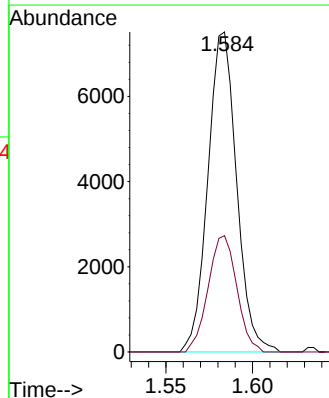
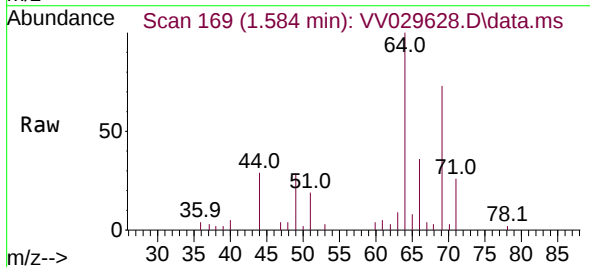
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ68DL

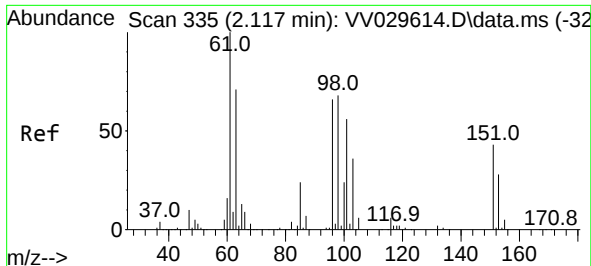
Tgt Ion: 62 Resp: 35751
 Ion Ratio Lower Upper
 62 100
 64 35.8 22.5 41.9



#8
 Chloroethane
 Concen: 4.305 ug/L
 RT: 1.584 min Scan# 169
 Delta R.T. 0.003 min
 Lab File: VV029628.D
 Acq: 13 Dec 2022 04:22

Tgt Ion: 64 Resp: 8651
 Ion Ratio Lower Upper
 64 100
 66 36.4 22.5 41.9

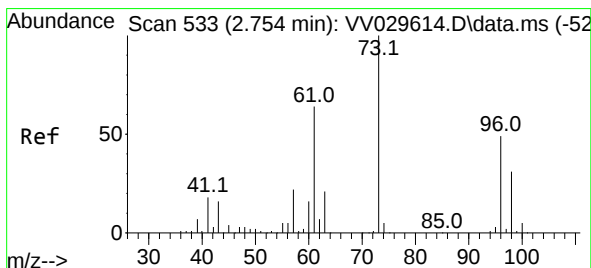
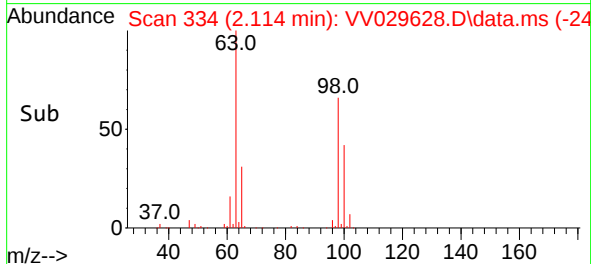
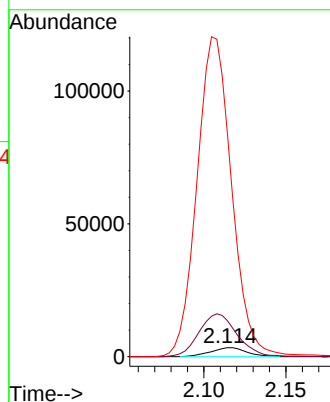
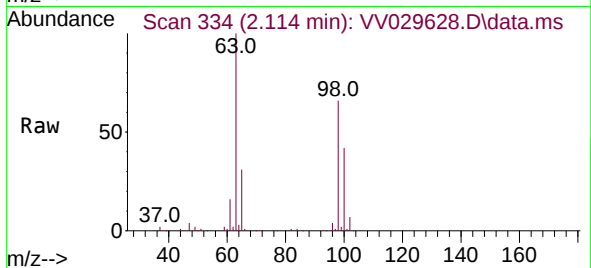




#12
1,1-Dichloroethene
Concen: 2.004 ug/L
RT: 2.114 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV029628.D
Acq: 13 Dec 2022 04:22

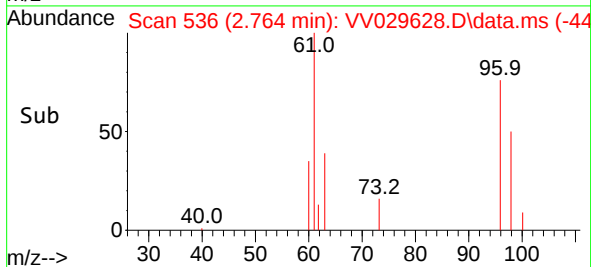
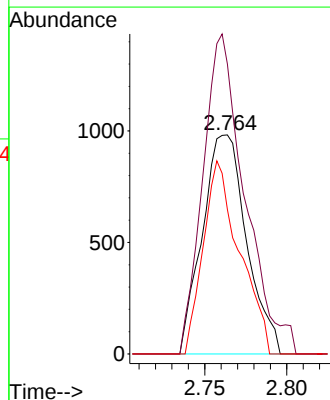
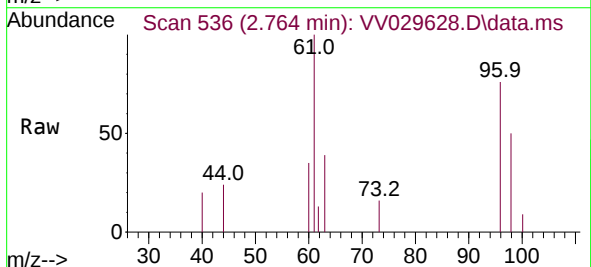
Instrument :
MSVOA_V
ClientSampleId :
EXZ68DL

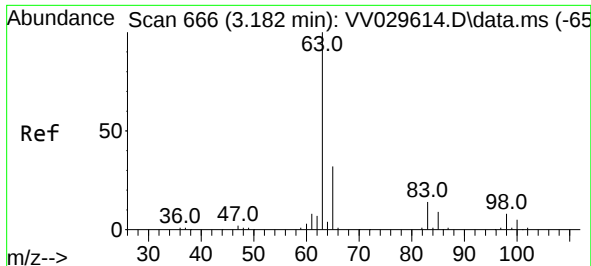
Tgt Ion: 96 Resp: 5145
Ion Ratio Lower Upper
96 100
61 402.6 103.3 191.9#
63 2499.7 77.3 143.7#



#17
trans-1,2-Dichloroethene
Concen: 0.622 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.010 min
Lab File: VV029628.D
Acq: 13 Dec 2022 04:22

Tgt Ion: 96 Resp: 1840
Ion Ratio Lower Upper
96 100
61 132.4 86.4 160.4
98 66.0 43.4 80.6





#19

1,1-Dichloroethane

Concen: 33.289 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV029628.D

Acq: 13 Dec 2022 04:22

Instrument :

MSVOA_V

ClientSampleId :

EXZ68DL

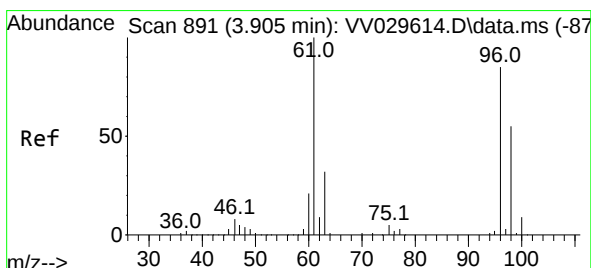
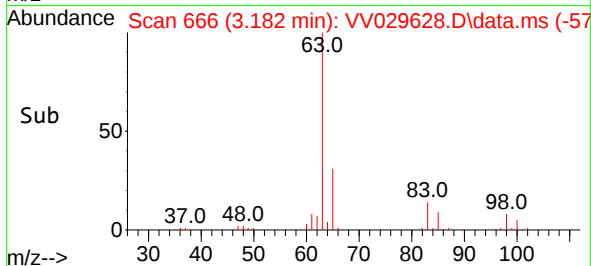
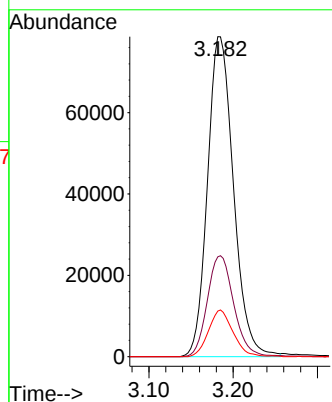
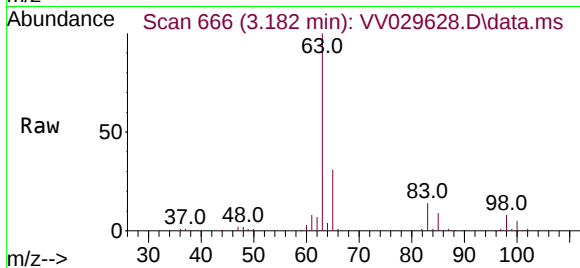
Tgt Ion: 63 Resp: 168693

Ion Ratio Lower Upper

63 100

65 31.2 22.5 41.7

83 14.2 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 73.792 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV029628.D

Acq: 13 Dec 2022 04:22

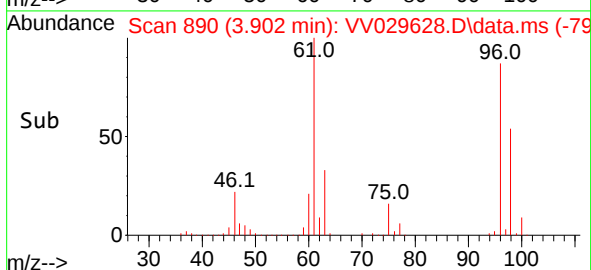
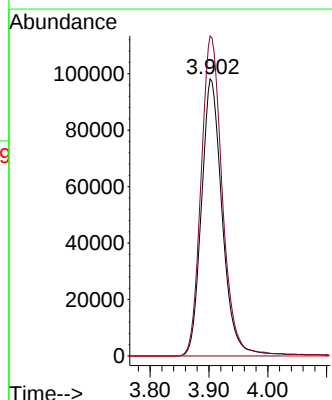
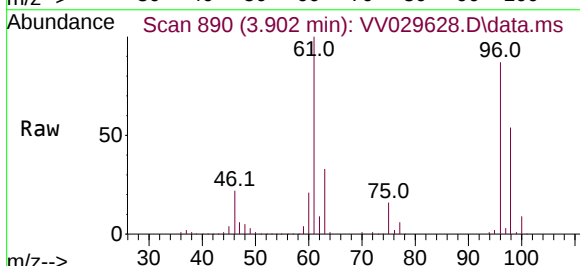
Tgt Ion: 96 Resp: 240024

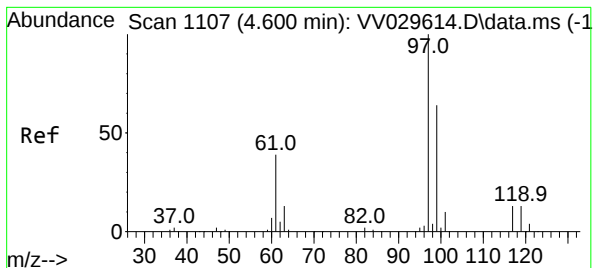
Ion Ratio Lower Upper

96 100

61 115.5 78.0 144.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 45.290 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV029628.D

Acq: 13 Dec 2022 04:22

Instrument :

MSVOA_V

ClientSampleId :

EXZ68DL

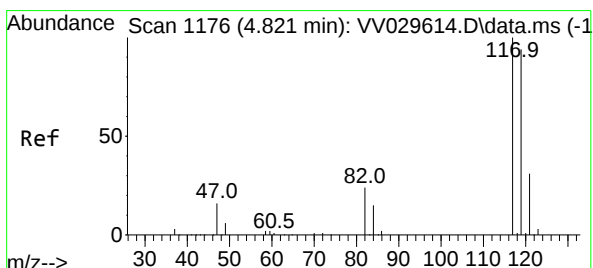
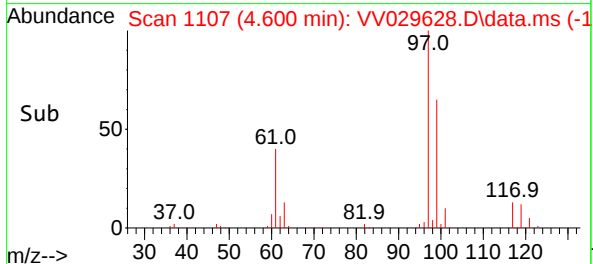
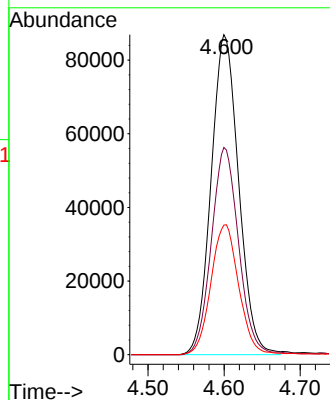
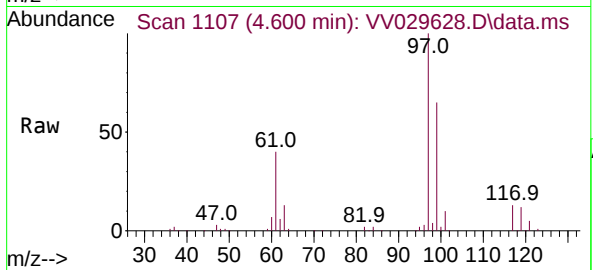
Tgt Ion: 97 Resp: 218617

Ion Ratio Lower Upper

97 100

99 64.0 52.1 78.1

61 41.1 31.8 47.8



#31

Carbon tetrachloride

Concen: 7.100 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.218 min

Lab File: VV029628.D

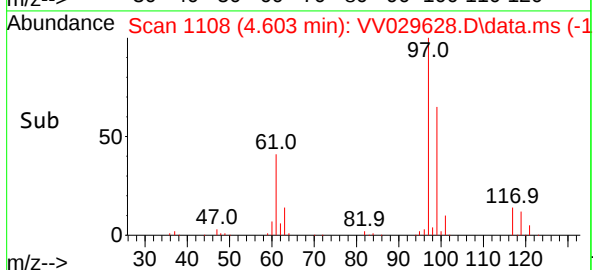
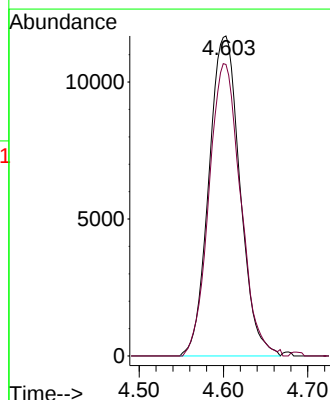
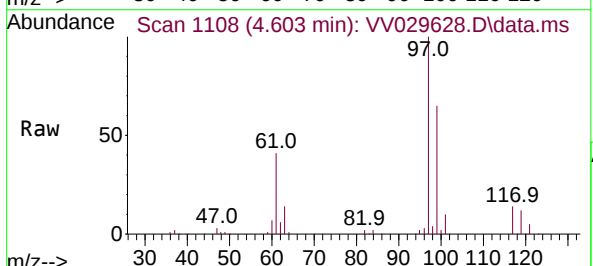
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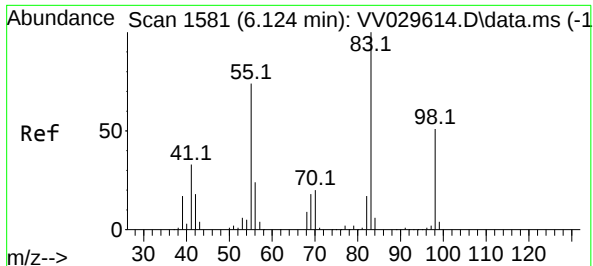
Tgt Ion: 117 Resp: 29927

Ion Ratio Lower Upper

117 100

119 92.7 76.7 115.1

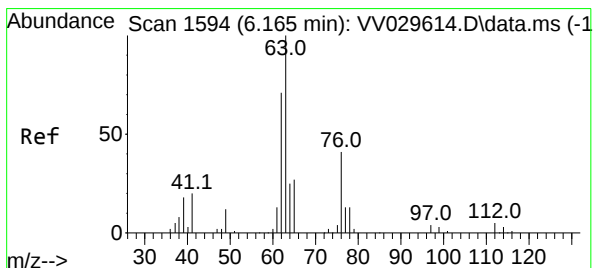
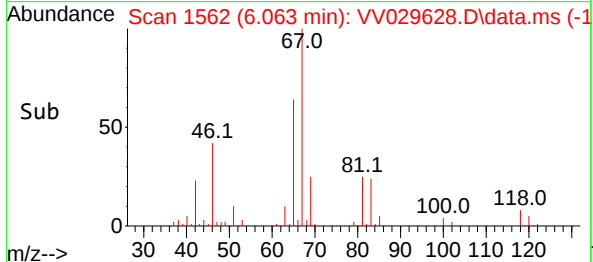
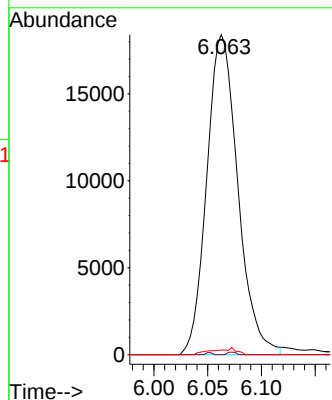
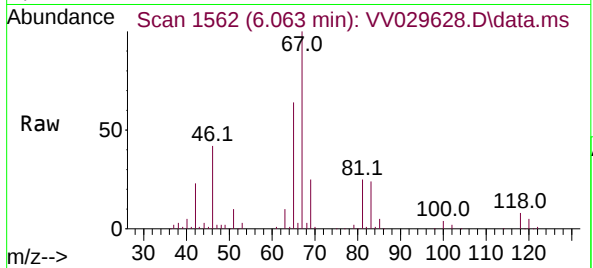




#35
Methylcyclohexane
Concen: 6.964 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV029628.D
Acq: 13 Dec 2022 04:22

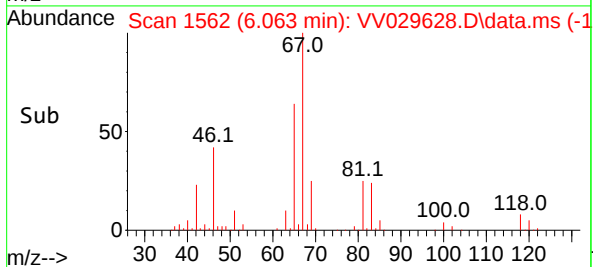
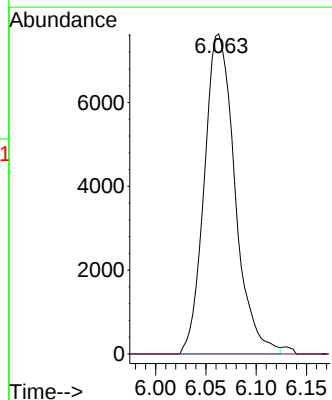
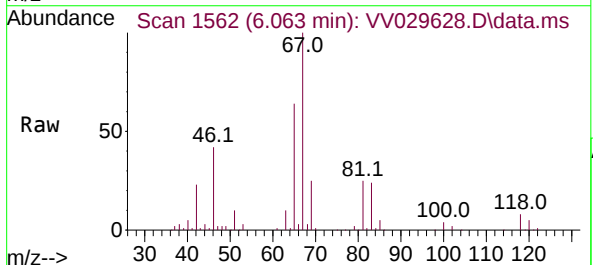
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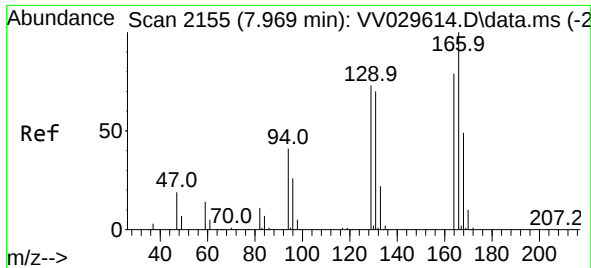
Tgt Ion: 83 Resp: 37016
Ion Ratio Lower Upper
83 100
55 0.1 55.5 83.3#
98 1.1 39.8 59.8#



#37
1,2-Dichloropropane
Concen: 5.376 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.103 min
Lab File: VV029628.D
Acq: 13 Dec 2022 04:22

Tgt Ion: 63 Resp: 16204
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#



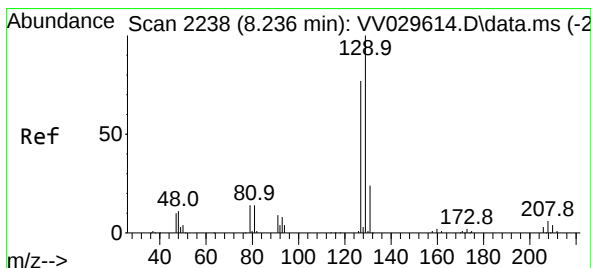
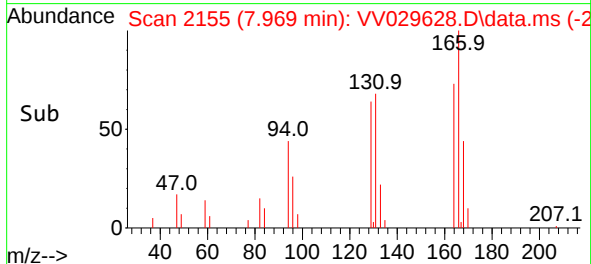
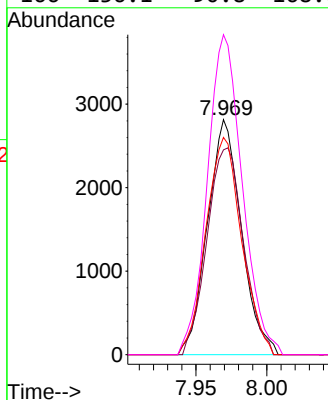
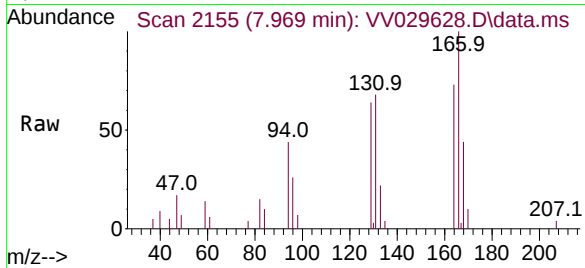


#46
 Tetrachloroethene
 Concen: 1.862 ug/L
 RT: 7.969 min Scan# 2155
 Delta R.T. 0.000 min
 Lab File: VV029628.D
 Acq: 13 Dec 2022 04:22

Instrument :
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Tgt Ion:164 Resp: 4686

Ion	Ratio	Lower	Upper
164	100		
129	87.1	65.3	121.3
131	92.4	63.1	117.1
166	136.1	90.8	168.6



#49
 Dibromochloromethane
 Concen: 1.280 ug/L
 RT: 7.973 min Scan# 2156
 Delta R.T. -0.264 min
 Lab File: VV029628.D
 Acq: 13 Dec 2022 04:22

Tgt Ion:129 Resp: 4401

Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.2	102.4#

