

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120922\
 Data File : VW029569.D
 Acq On : 10 Dec 2022 10:33
 Operator : SY/MD
 Sample : N5929-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZB5

Quant Time: Dec 12 00:04:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 10 07:45:47 2022
 Response via : Initial Calibration

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

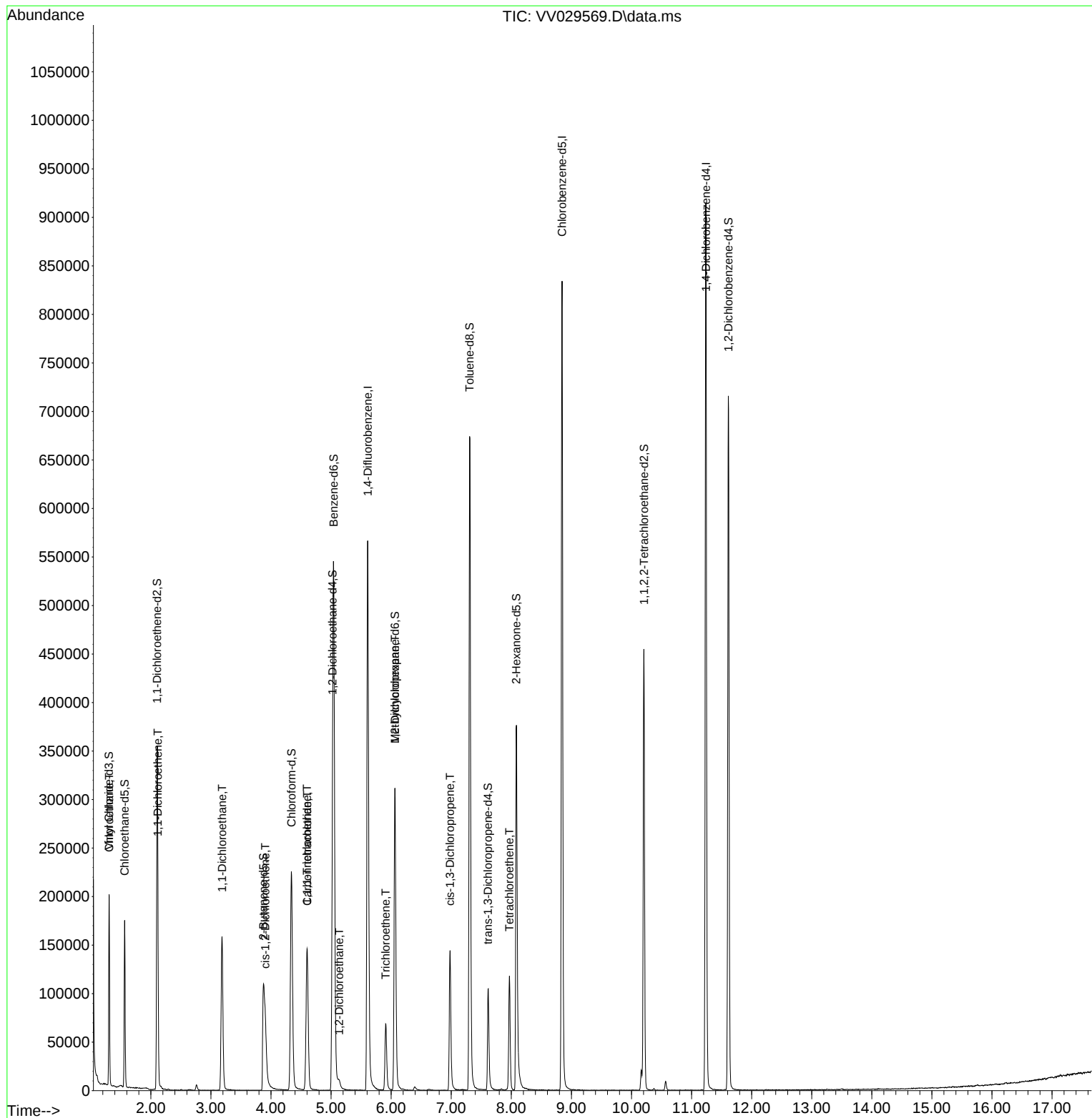
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	519627	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	483206	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	248055	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	122781	38.586	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.180%		
7) Chloroethane-d5	1.564	69	107562	44.331	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.660%		
11) 1,1-Dichloroethene-d2	2.104	63	176627	35.589	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.180%		
21) 2-Butanone-d5	3.873	46	173802	89.538	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.540%		
24) Chloroform-d	4.339	84	245530	41.004	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.000%		
26) 1,2-Dichloroethane-d4	5.024	65	148281	43.358	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.720%		
32) Benzene-d6	5.043	84	526054	41.201	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.400%		
36) 1,2-Dichloropropane-d6	6.063	67	162866	41.760	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.520%		
41) Toluene-d8	7.307	98	474052	39.405	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.800%#		
43) trans-1,3-Dichloroprop...	7.612	79	64534	32.769	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.540%		
47) 2-Hexanone-d5	8.082	63	145072	87.110	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.110%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	226258	40.598	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	81.200%		
66) 1,2-Dichlorobenzene-d4	11.612	152	193431	40.964	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.920%		
Target Compounds						
8) Chloroethane	1.307	64	2210	1.017	ug/L #	1
12) 1,1-Dichloroethene	2.117	96	23514	8.466	ug/L #	1
19) 1,1-Dichloroethane	3.185	63	166019	30.281	ug/L	98
20) cis-1,2-Dichloroethene	3.905	96	26708	7.589	ug/L	97
27) 1,2-Dichloroethane	5.133	62	5582	1.390	ug/L	98
30) 1,1,1-Trichloroethane	4.600	97	123272	23.416	ug/L	99
31) Carbon tetrachloride	4.603	117	16807	3.656	ug/L	100
34) Trichloroethene	5.908	95	24634	7.218	ug/L	95
35) Methylcyclohexane	6.063	83	38315	6.610	ug/L #	21
39) cis-1,3-Dichloropropene	6.979	75	3771	0.697	ug/L #	79
46) Tetrachloroethene	7.969	164	28236	10.290	ug/L	96

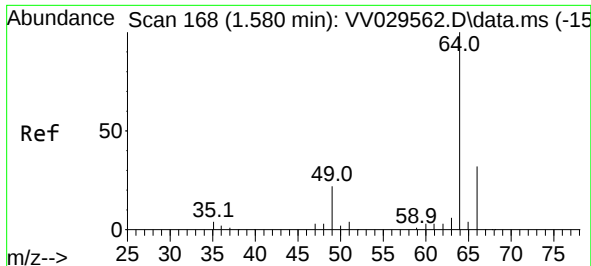
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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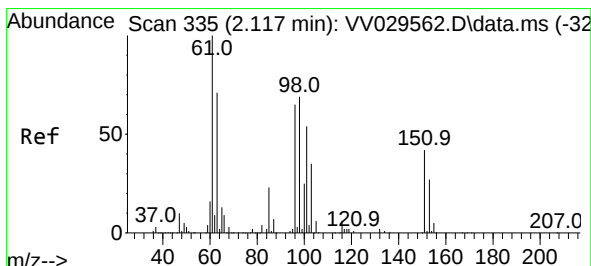
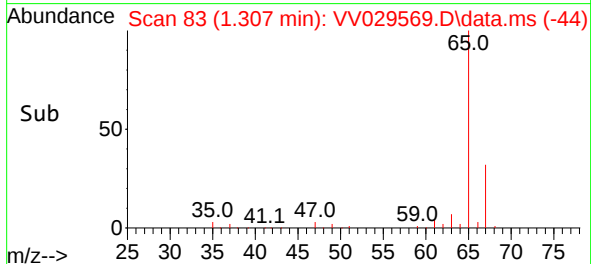
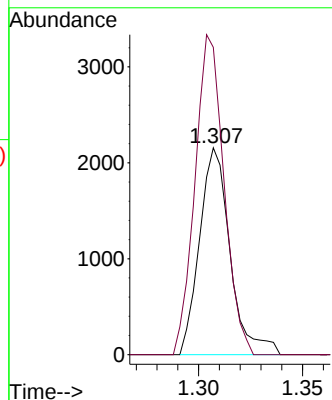
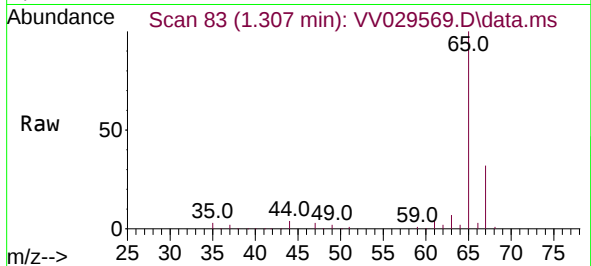




#8
Chloroethane
Concen: 1.017 ug/L
RT: 1.307 min Scan# 81
Delta R.T. -0.273 min
Lab File: VV029569.D
Acq: 10 Dec 2022 10:33

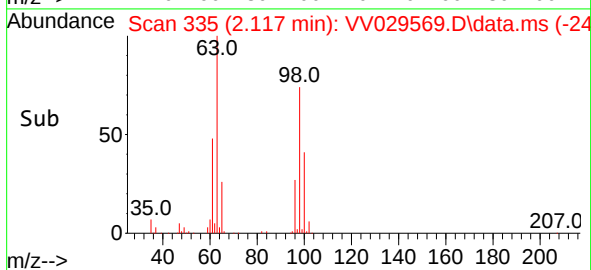
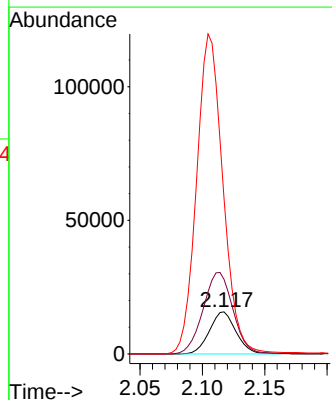
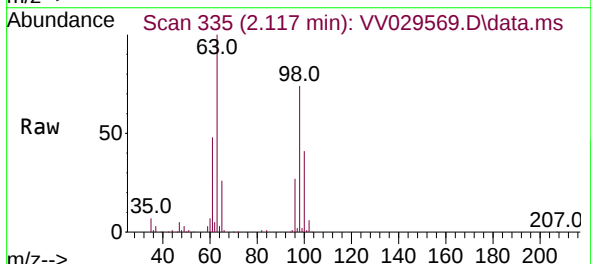
Instrument :
MSVOA_V
ClientSampleId :
EXZB5

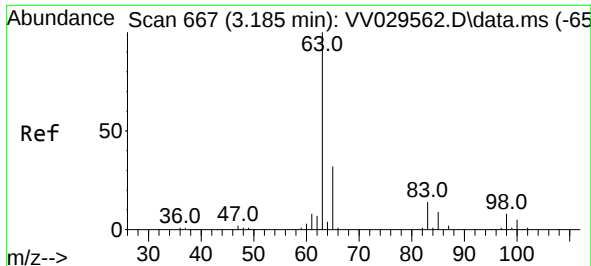
Tgt Ion: 64 Resp: 2210
Ion Ratio Lower Upper
64 100
66 148.5 22.5 41.9#



#12
1,1-Dichloroethene
Concen: 8.466 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV029569.D
Acq: 10 Dec 2022 10:33

Tgt Ion: 96 Resp: 23514
Ion Ratio Lower Upper
96 100
61 177.4 103.3 191.9
63 369.4 77.3 143.7#

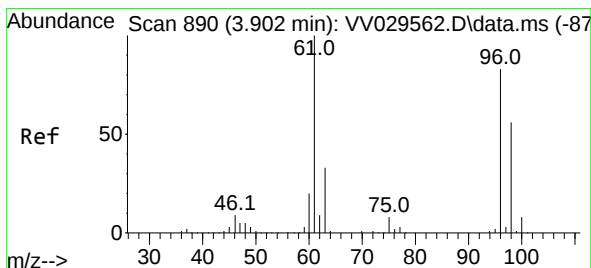
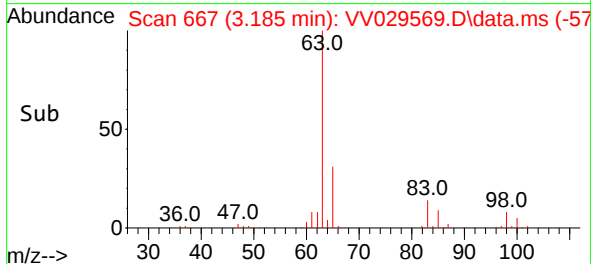
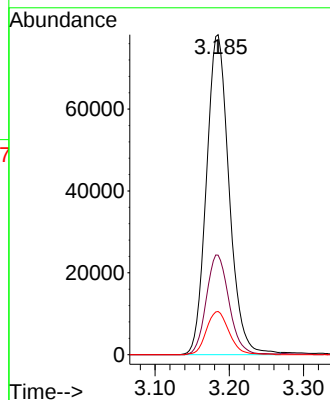
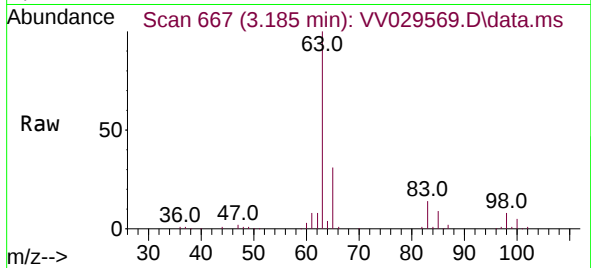




#19
1,1-Dichloroethane
Concen: 30.281 ug/L
RT: 3.185 min Scan# 667
Delta R.T. -0.000 min
Lab File: VV029569.D
Acq: 10 Dec 2022 10:33

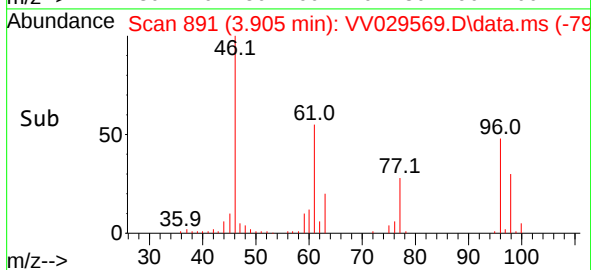
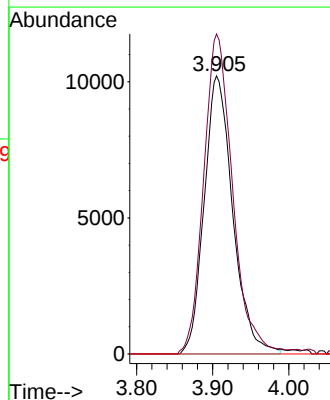
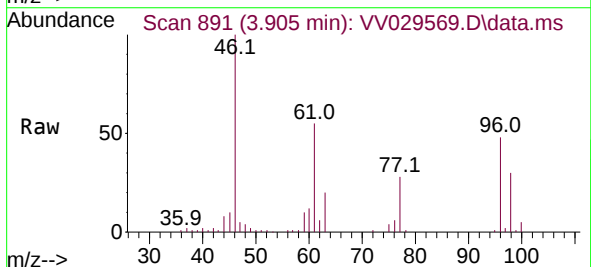
Instrument :
MSVOA_V
ClientSampleId :
EXZB5

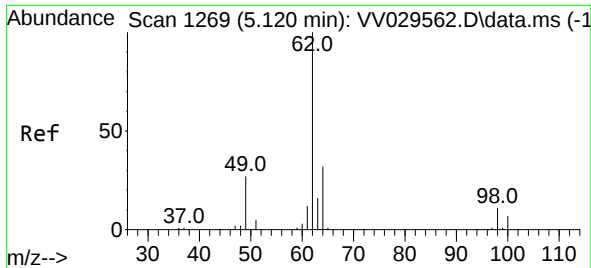
Tgt Ion: 63 Resp: 166019
Ion Ratio Lower Upper
63 100
65 31.1 22.5 41.7
83 13.5 10.4 19.2



#20
cis-1,2-Dichloroethene
Concen: 7.589 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.003 min
Lab File: VV029569.D
Acq: 10 Dec 2022 10:33

Tgt Ion: 96 Resp: 26708
Ion Ratio Lower Upper
96 100
61 115.0 78.0 144.9
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 1.390 ug/L

RT: 5.133 min Scan# 1107

Delta R.T. 0.013 min

Lab File: VV029569.D

Acq: 10 Dec 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

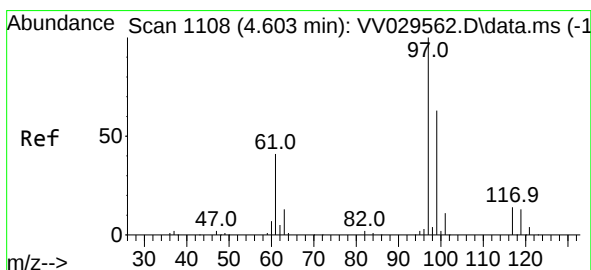
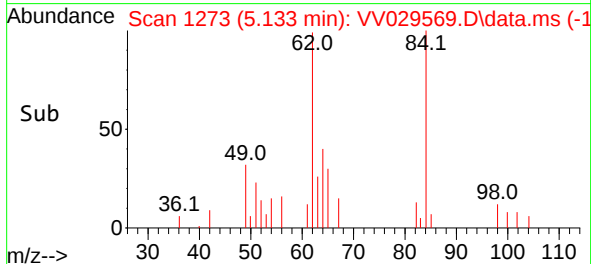
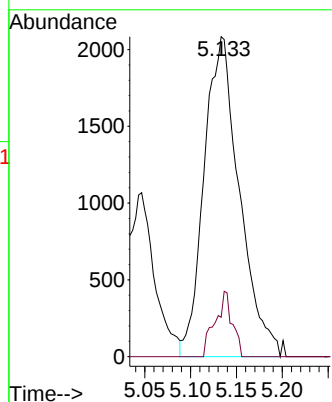
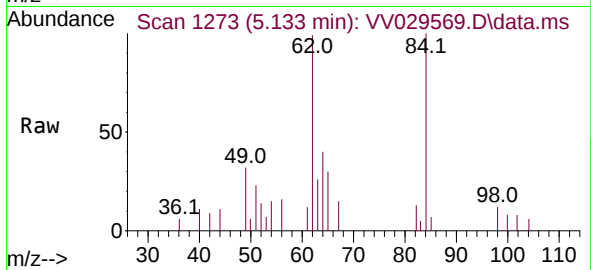
EXZB5

Tgt Ion: 62 Resp: 5582

Ion Ratio Lower Upper

62 100

98 12.3 9.4 14.0



#30

1,1,1-Trichloroethane

Concen: 23.416 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV029569.D

Acq: 10 Dec 2022 10:33

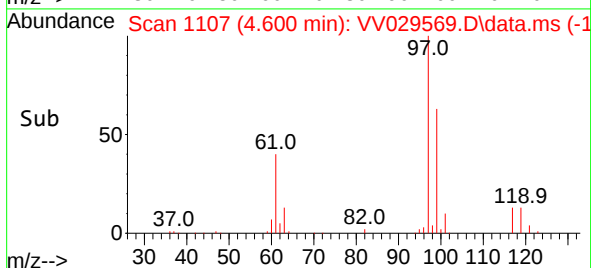
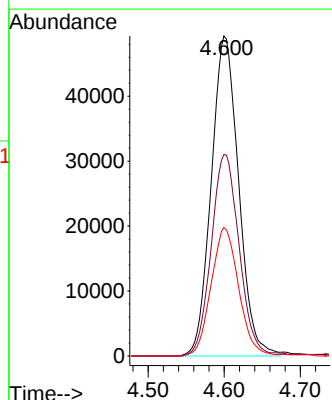
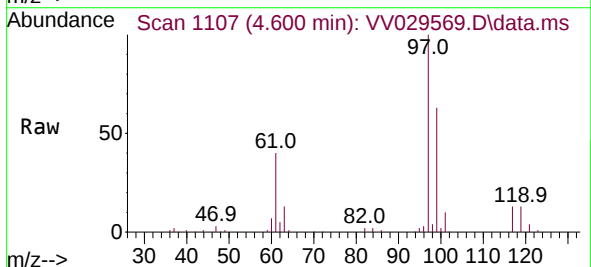
Tgt Ion: 97 Resp: 123272

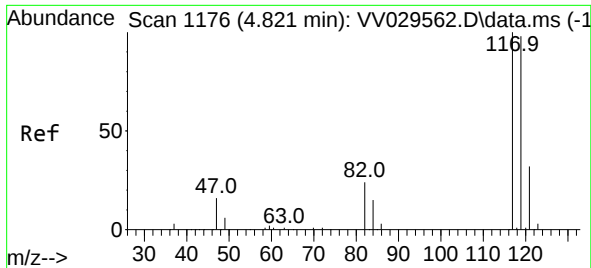
Ion Ratio Lower Upper

97 100

99 64.0 52.1 78.1

61 40.2 31.8 47.8

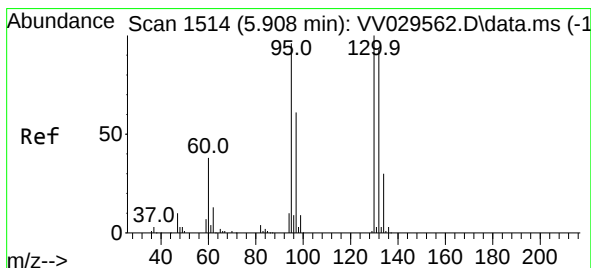
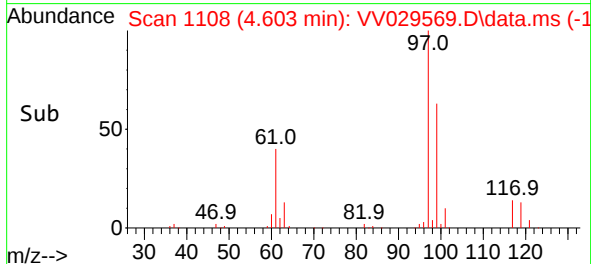
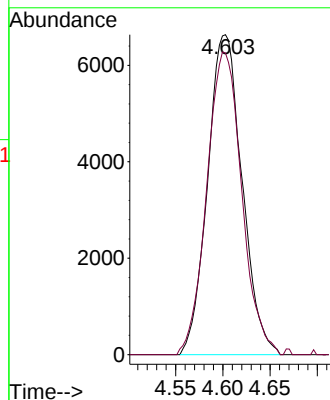
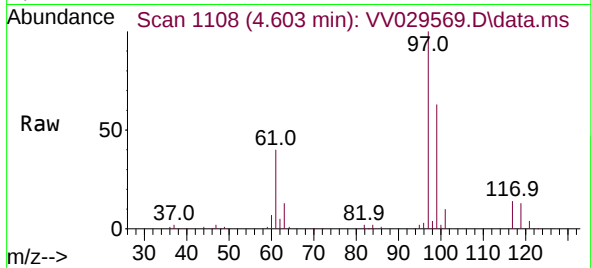




#31
Carbon tetrachloride
Concen: 3.656 ug/L
RT: 4.603 min Scan# 1176
Delta R.T. -0.219 min
Lab File: VV029569.D
Acq: 10 Dec 2022 10:33

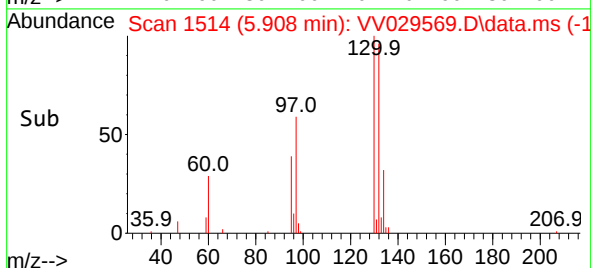
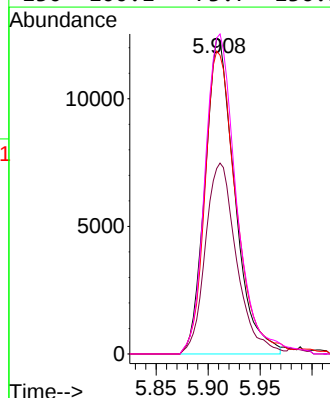
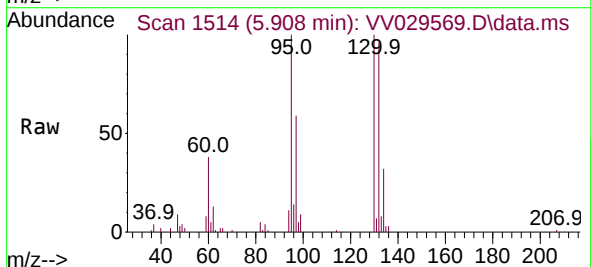
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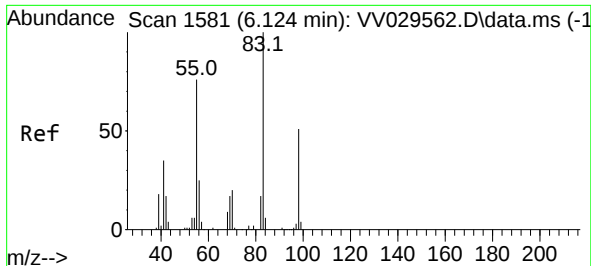
Tgt Ion:117 Resp: 16807
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1



#34
Trichloroethene
Concen: 7.218 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VV029569.D
Acq: 10 Dec 2022 10:33

Tgt Ion: 95 Resp: 24634
Ion Ratio Lower Upper
95 100
97 58.8 44.0 81.8
132 95.9 69.9 129.9
130 100.1 73.7 136.9

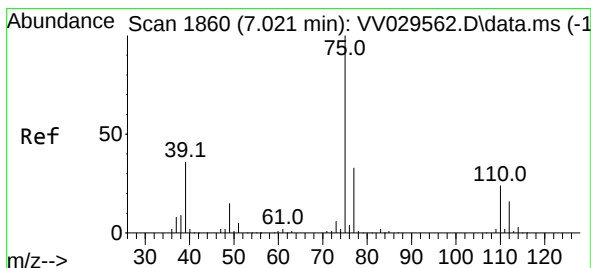
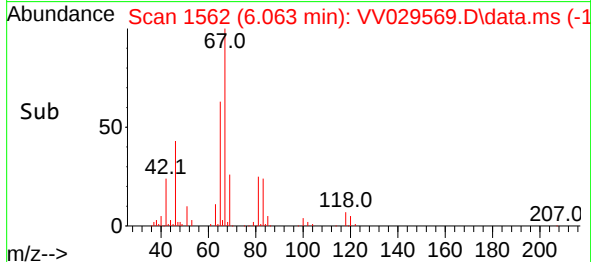
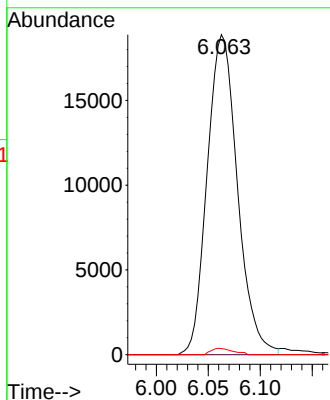
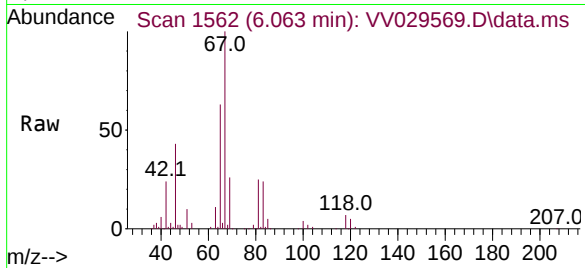




#35
Methylcyclohexane
Concen: 6.610 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.061 min
Lab File: VV029569.D
Acq: 10 Dec 2022 10:33

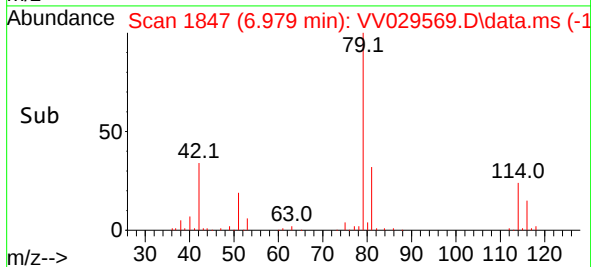
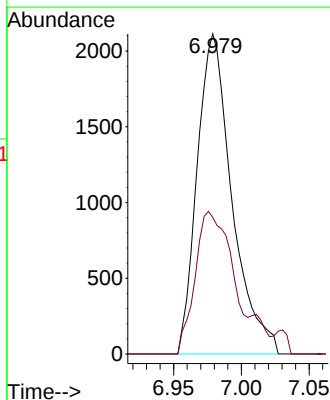
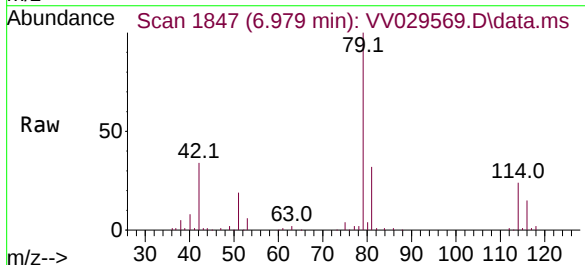
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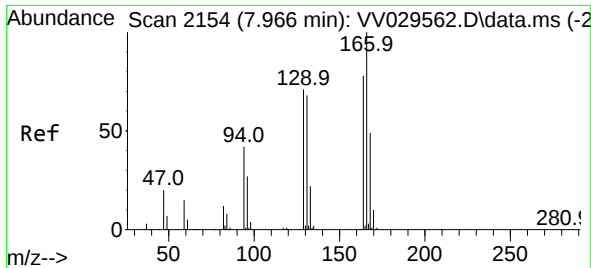
Tgt Ion: 83 Resp: 38315
Ion Ratio Lower Upper
83 100
55 0.0 55.5 83.3#
98 1.4 39.8 59.8#



#39
cis-1,3-Dichloropropene
Concen: 0.697 ug/L
RT: 6.979 min Scan# 1847
Delta R.T. -0.042 min
Lab File: VV029569.D
Acq: 10 Dec 2022 10:33

Tgt Ion: 75 Resp: 3771
Ion Ratio Lower Upper
75 100
77 42.7 21.9 40.7#





#46

Tetrachloroethene

Concen: 10.290 ug/L

RT: 7.969 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV029569.D

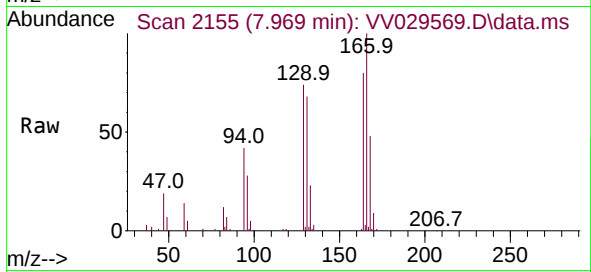
Acq: 10 Dec 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

EXZB5



Tgt Ion:164 Resp: 28236

Ion Ratio Lower Upper

164 100

129 92.1 65.3 121.3

131 85.0 63.1 117.1

166 124.9 90.8 168.6

