

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VW029619.D
 Acq On : 13 Dec 2022 00:51
 Operator : SY/MD
 Sample : N5928-15
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ76

Quant Time: Dec 13 05:25:19 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)

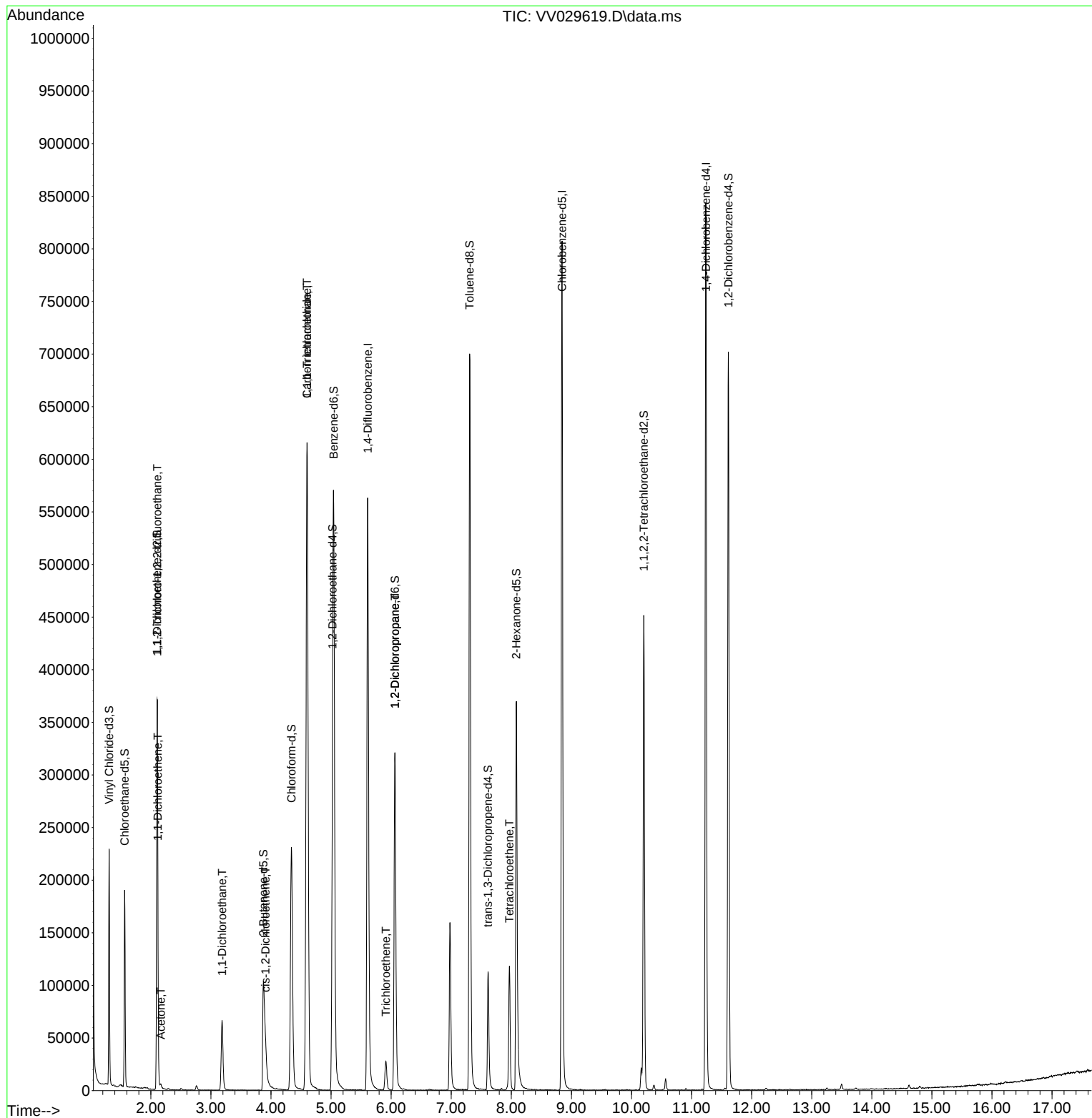
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	517465	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	472571	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	233367	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	143192	45.189	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.380%		
7) Chloroethane-d5	1.565	69	118326	48.971	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.940%		
11) 1,1-Dichloroethene-d2	2.105	63	186669	37.769	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.540%		
21) 2-Butanone-d5	3.873	46	170012	87.952	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.950%		
24) Chloroform-d	4.339	84	252561	42.355	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.700%		
26) 1,2-Dichloroethane-d4	5.024	65	150976	44.331	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.660%		
32) Benzene-d6	5.043	84	549501	44.006	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.020%		
36) 1,2-Dichloropropane-d6	6.063	67	165277	43.332	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.660%		
41) Toluene-d8	7.307	98	492529	41.862	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.720%		
43) trans-1,3-Dichloroprop...	7.613	79	67366	34.977	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.960%		
47) 2-Hexanone-d5	8.082	63	140044	85.983	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.980%		
56) 1,1,2,2-Tetrachloroeth...	10.204	84	227310	41.705	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	83.400%		
66) 1,2-Dichlorobenzene-d4	11.612	152	189872	42.741	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.480%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	2004	0.741	ug/L #	18
12) 1,1-Dichloroethene	2.118	96	11296	4.084	ug/L #	1
13) Acetone	2.166	43	3626	2.879	ug/L	66
19) 1,1-Dichloroethane	3.185	63	68068	12.467	ug/L	99
20) cis-1,2-Dichloroethene	3.908	96	12295	3.508	ug/L	88
30) 1,1,1-Trichloroethane	4.600	97	516349	100.288	ug/L	99
31) Carbon tetrachloride	4.600	117	69660	15.494	ug/L	98
34) Trichloroethene	5.912	95	9584	2.871	ug/L	97
37) 1,2-Dichloropropane	6.063	63	17386	5.408	ug/L #	85
46) Tetrachloroethene	7.966	164	28133	10.483	ug/L	99

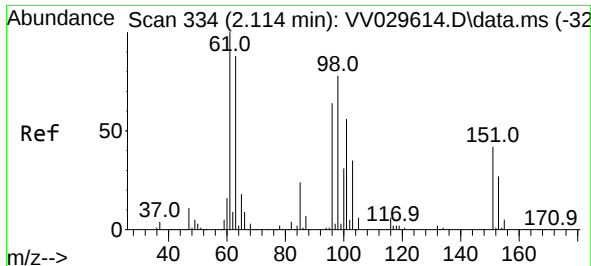
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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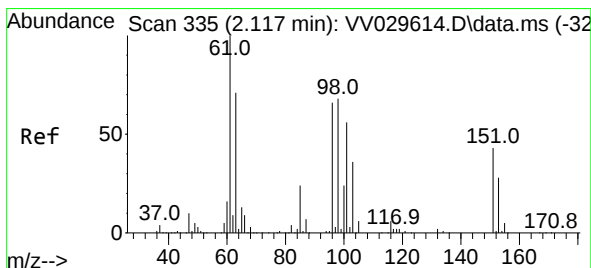
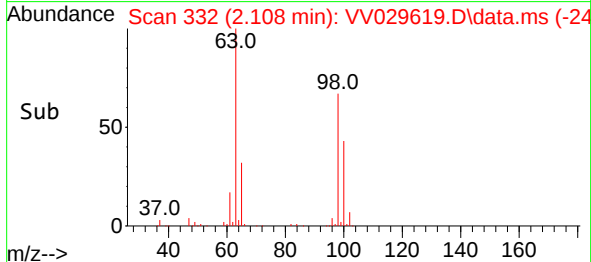
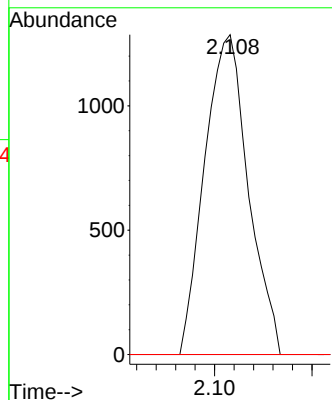
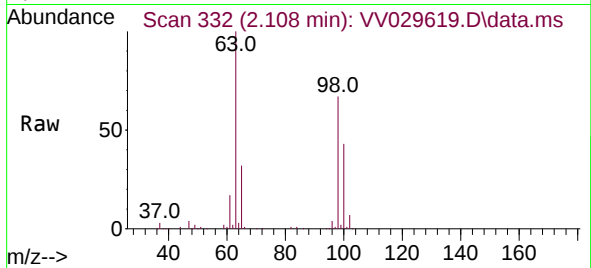




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.741 ug/L
RT: 2.108 min Scan# 311
Delta R.T. -0.006 min
Lab File: VV029619.D
Acq: 13 Dec 2022 00:51

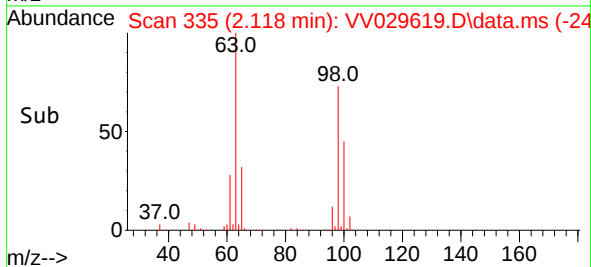
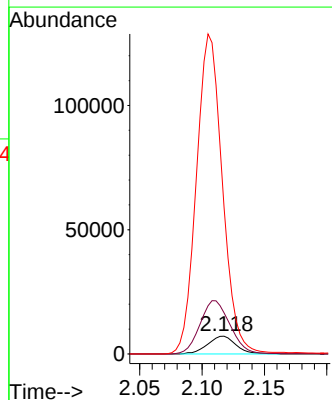
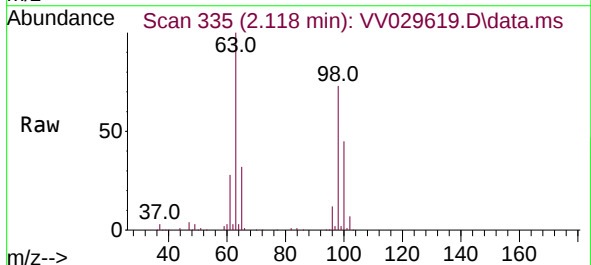
Instrument :
MSVOA_V
ClientSampleId :
EXZ76

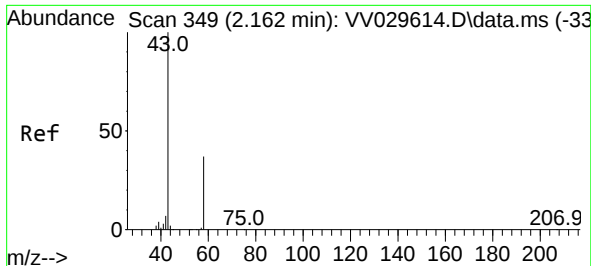
Tgt Ion:101 Resp: 2004
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 63.5 95.3#



#12
1,1-Dichloroethene
Concen: 4.084 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV029619.D
Acq: 13 Dec 2022 00:51

Tgt Ion: 96 Resp: 11296
Ion Ratio Lower Upper
96 100
61 231.9 103.3 191.9#
63 827.8 77.3 143.7#





#13

Acetone

Concen: 2.879 ug/L

RT: 2.166 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV029619.D

Acq: 13 Dec 2022 00:51

Instrument :

MSVOA_V

ClientSampleId :

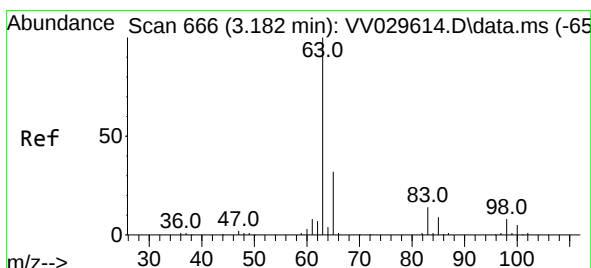
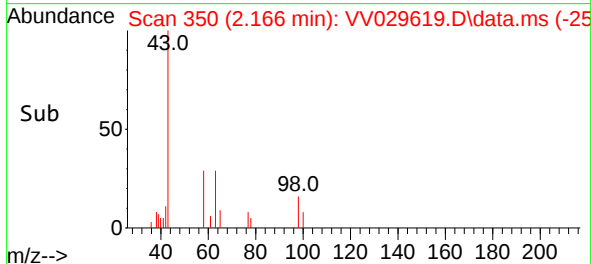
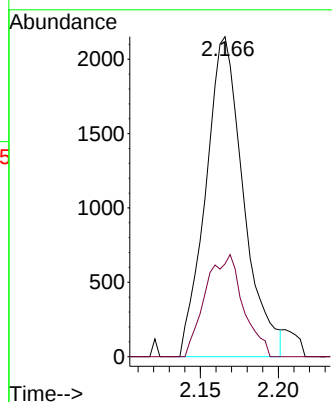
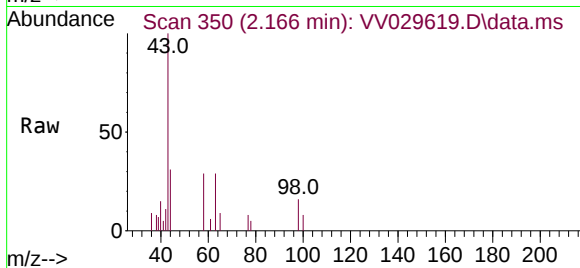
EXZ76

Tgt Ion: 43 Resp: 3626

Ion Ratio Lower Upper

43 100

58 17.1 0.0 74.8



#19

1,1-Dichloroethane

Concen: 12.467 ug/L

RT: 3.185 min Scan# 667

Delta R.T. 0.003 min

Lab File: VV029619.D

Acq: 13 Dec 2022 00:51

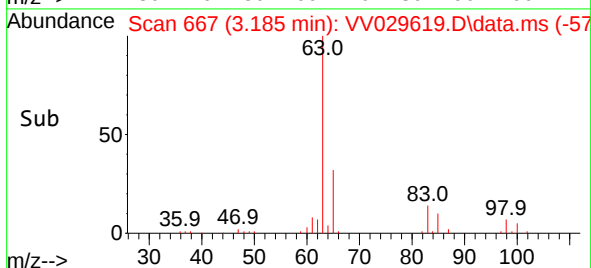
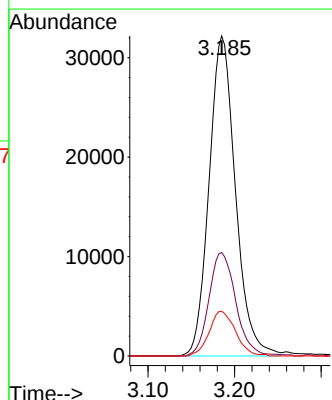
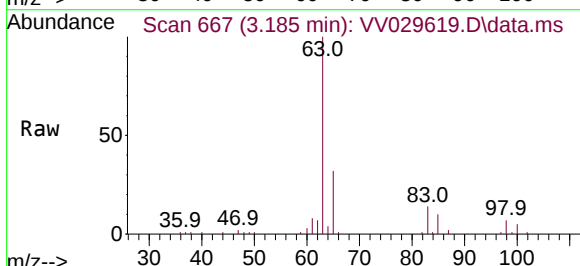
Tgt Ion: 63 Resp: 68068

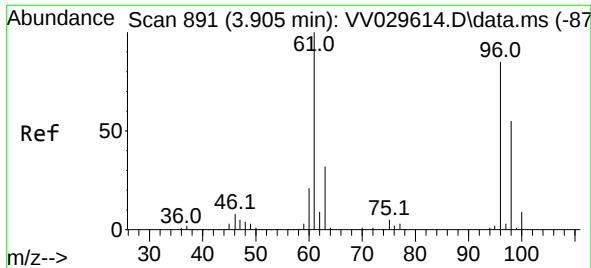
Ion Ratio Lower Upper

63 100

65 32.3 22.5 41.7

83 14.0 10.4 19.2

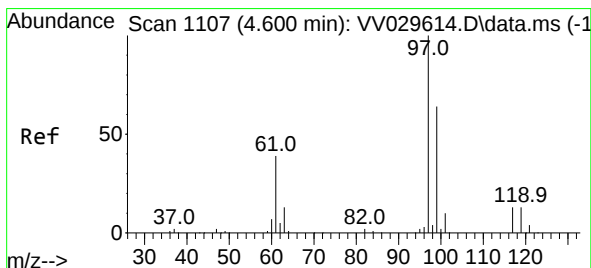
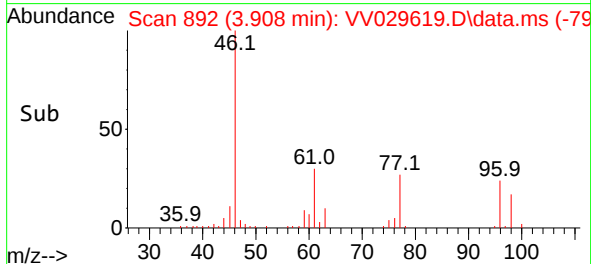
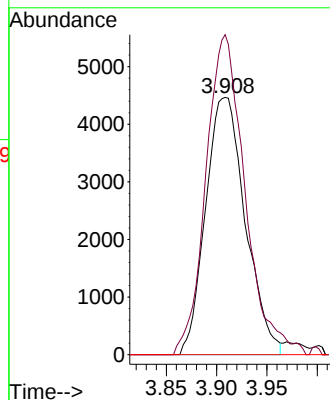
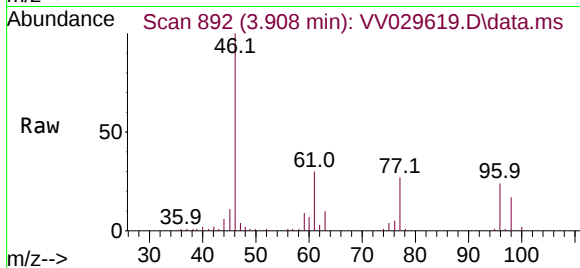




#20
 cis-1,2-Dichloroethene
 Concen: 3.508 ug/L
 RT: 3.908 min Scan# 891
 Delta R.T. 0.003 min
 Lab File: VV029619.D
 Acq: 13 Dec 2022 00:51

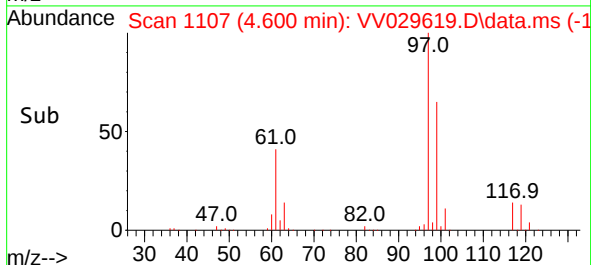
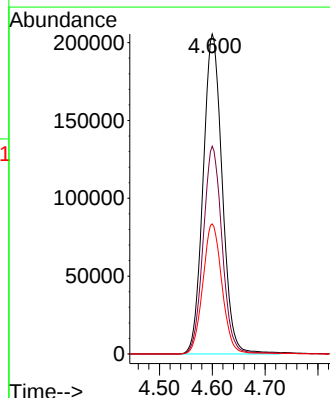
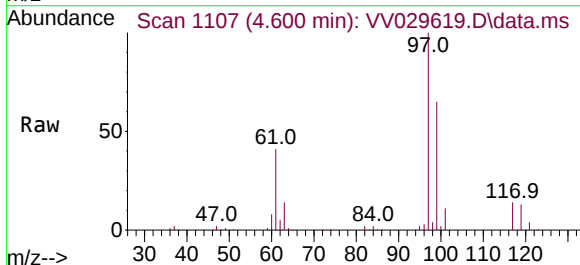
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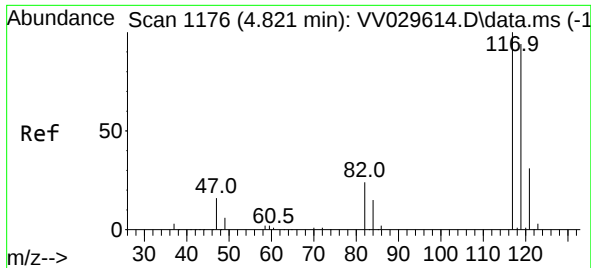
Tgt Ion: 96 Resp: 12295
 Ion Ratio Lower Upper
 96 100
 61 124.4 78.0 144.9
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 100.288 ug/L
 RT: 4.600 min Scan# 1107
 Delta R.T. 0.000 min
 Lab File: VV029619.D
 Acq: 13 Dec 2022 00:51

Tgt Ion: 97 Resp: 516349
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.1 78.1
 61 40.6 31.8 47.8

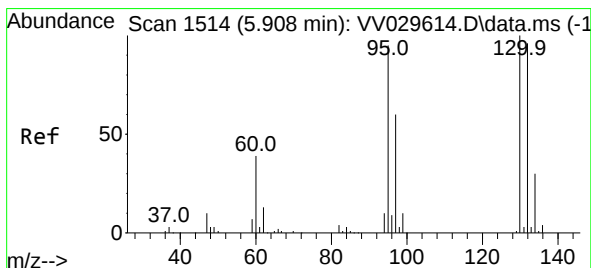
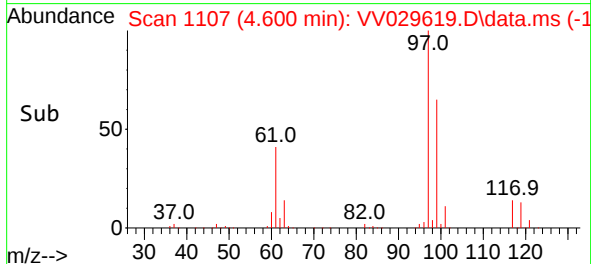
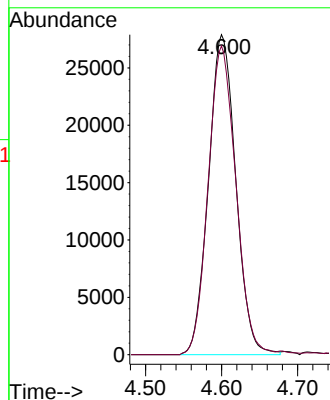
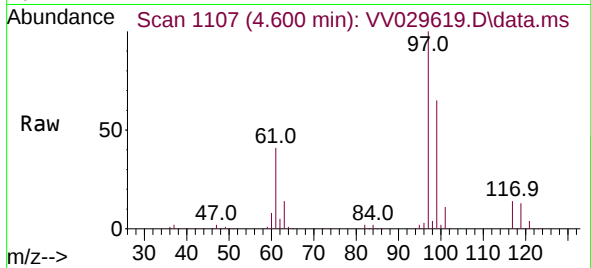




#31
Carbon tetrachloride
Concen: 15.494 ug/L
RT: 4.600 min Scan# 1176
Delta R.T. -0.222 min
Lab File: VV029619.D
Acq: 13 Dec 2022 00:51

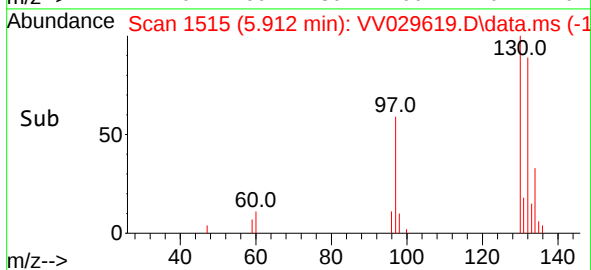
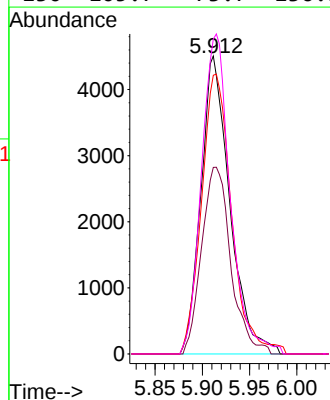
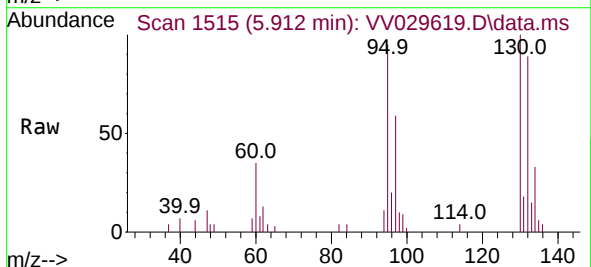
Instrument :
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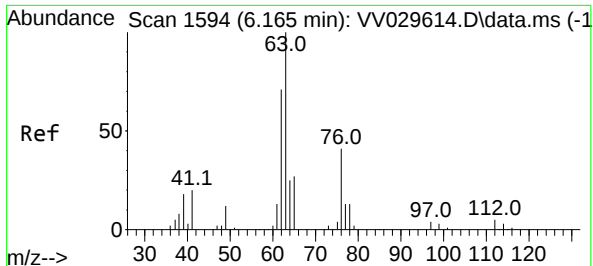
Tgt Ion:117 Resp: 69660
Ion Ratio Lower Upper
117 100
119 97.6 76.7 115.1



#34
Trichloroethene
Concen: 2.871 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV029619.D
Acq: 13 Dec 2022 00:51

Tgt Ion: 95 Resp: 9584
Ion Ratio Lower Upper
95 100
97 62.6 44.0 81.8
132 93.6 69.9 129.9
130 105.7 73.7 136.9





#37

1,2-Dichloropropane

Concen: 5.408 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV029619.D

Acq: 13 Dec 2022 00:51

Instrument :

MSVOA_V

ClientSampleId :

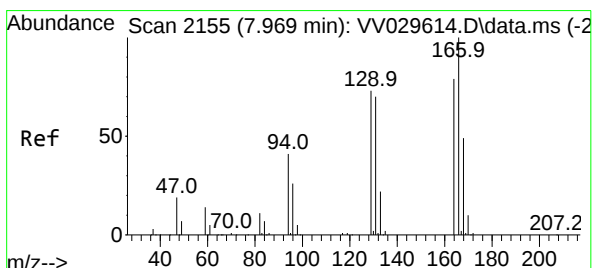
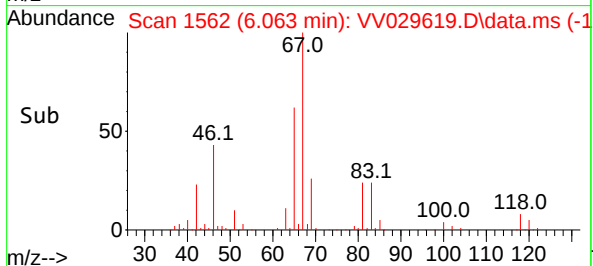
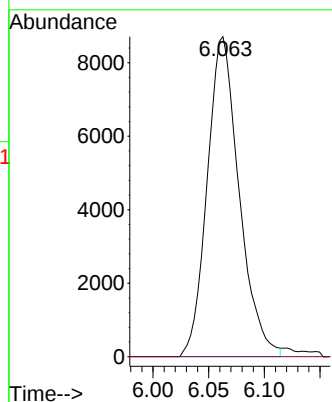
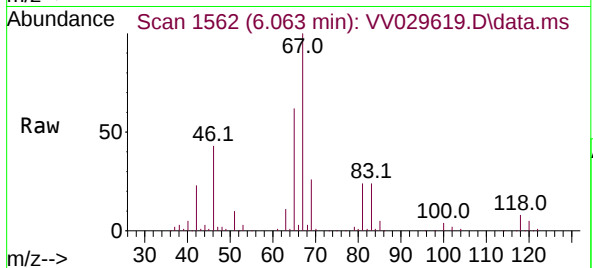
EXZ76

Tgt Ion: 63 Resp: 17386

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#46

Tetrachloroethene

Concen: 10.483 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.003 min

Lab File: VV029619.D

Acq: 13 Dec 2022 00:51

Tgt Ion: 164 Resp: 28133

Ion Ratio Lower Upper

164 100

129 93.2 65.3 121.3

131 89.1 63.1 117.1

166 126.6 90.8 168.6

