

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121322\
 Data File : VW029645.D
 Acq On : 13 Dec 2022 12:52
 Operator : SY/MD
 Sample : N5928-06 DL10X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ69DL

Quant Time: Dec 13 22:51:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 22:49:59 2022
 Response via : Initial Calibration

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

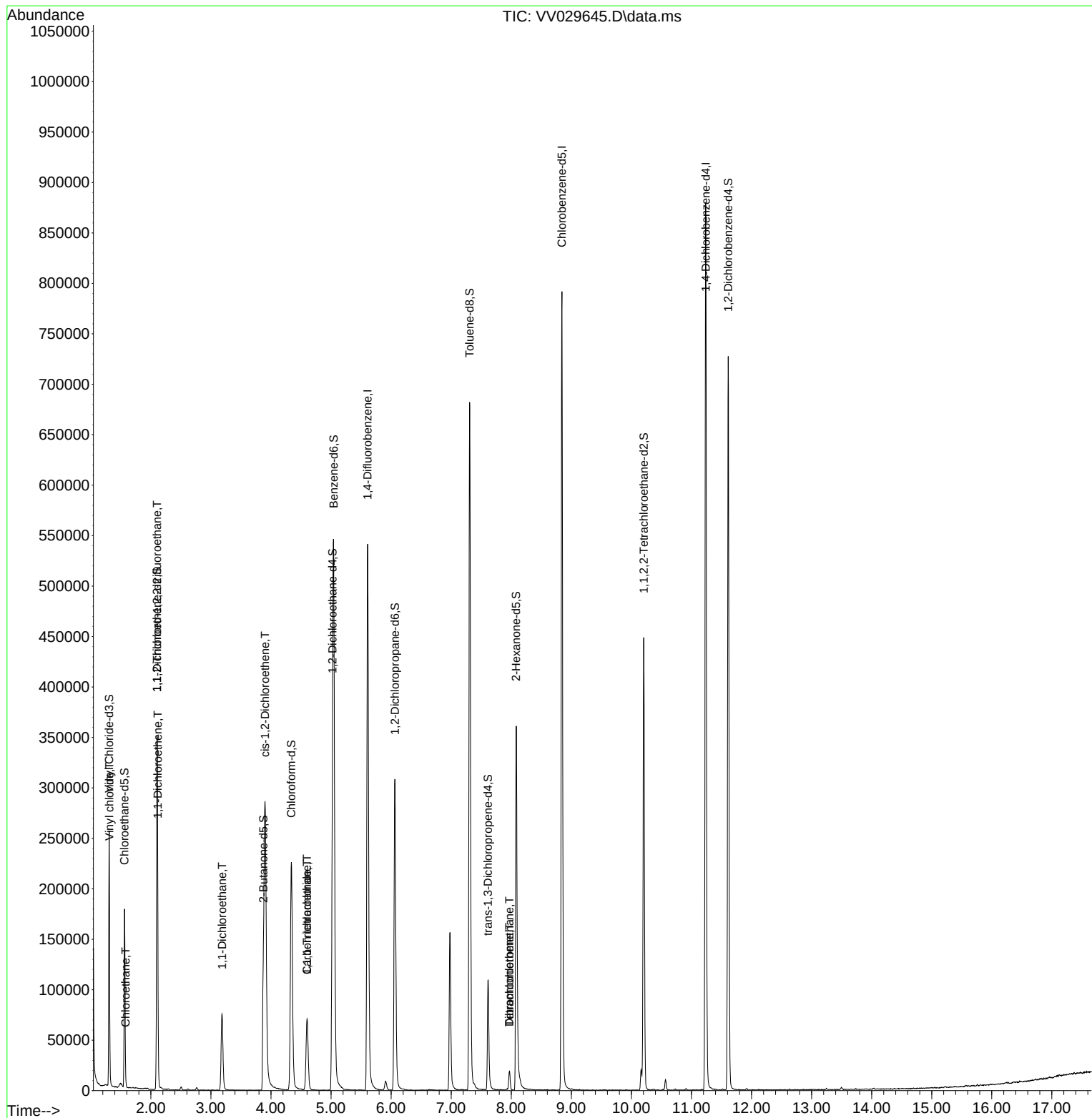
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	498200	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	454637	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	242222	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	142289	46.640	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.280%		
7) Chloroethane-d5	1.561	69	113991	49.001	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.000%		
11) 1,1-Dichloroethene-d2	2.104	63	177543	37.312	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.620%		
21) 2-Butanone-d5	3.873	46	166680	89.562	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.560%		
24) Chloroform-d	4.339	84	244122	42.523	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.040%		
26) 1,2-Dichloroethane-d4	5.024	65	145463	44.364	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.720%		
32) Benzene-d6	5.043	84	525844	43.773	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.540%		
36) 1,2-Dichloropropane-d6	6.063	67	160729	43.802	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.600%		
41) Toluene-d8	7.307	98	476881	42.131	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.260%		
43) trans-1,3-Dichloroprop...	7.612	79	67757	36.568	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.140%		
47) 2-Hexanone-d5	8.082	63	138634	88.475	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.470%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	220880	42.124	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.240%		
66) 1,2-Dichlorobenzene-d4	11.612	152	194584	42.200	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.400%		
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	22933	6.126	ug/L	89
8) Chloroethane	1.580	64	1925	0.924	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.104	101	1921	0.738	ug/L #	18
12) 1,1-Dichloroethene	2.114	96	3280	1.232	ug/L #	1
19) 1,1-Dichloroethane	3.185	63	79975	15.214	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	146812	43.512	ug/L	94
30) 1,1,1-Trichloroethane	4.600	97	60865	12.288	ug/L	99
31) Carbon tetrachloride	4.600	117	8022	1.855	ug/L	94
46) Tetrachloroethene	7.969	164	4616	1.788	ug/L	92
49) Dibromochloromethane	7.969	129	4267	1.209	ug/L #	10

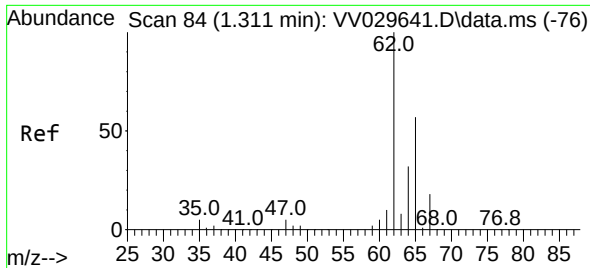
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

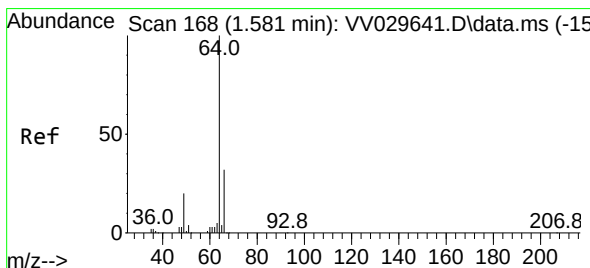
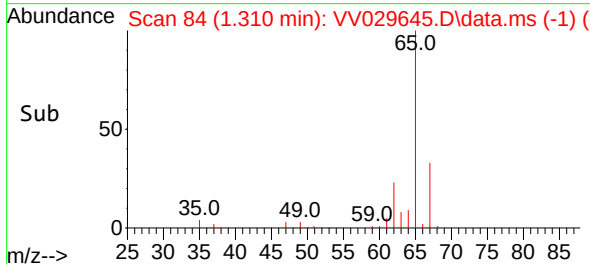
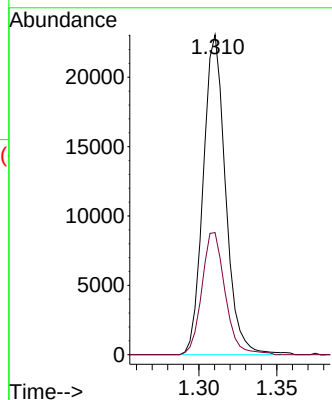
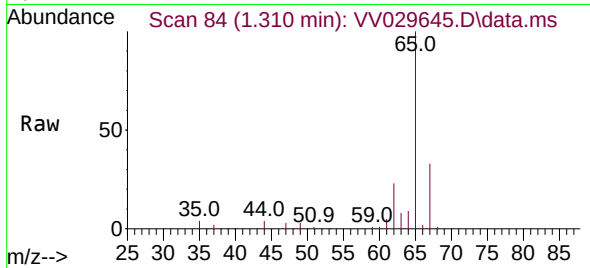




#5
 Vinyl chloride
 Concen: 6.126 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029645.D
 Acq: 13 Dec 2022 12:52

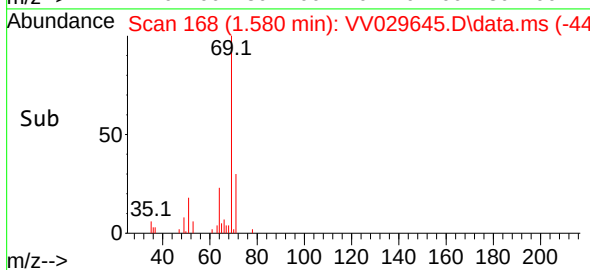
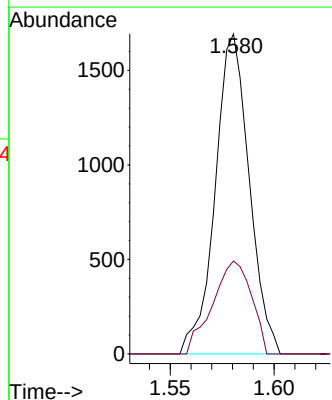
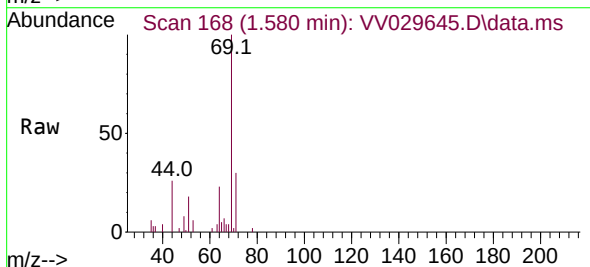
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ69DL

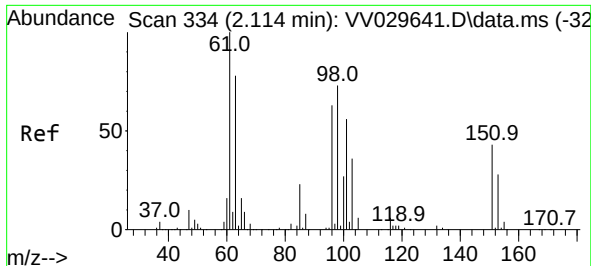
Tgt Ion: 62 Resp: 22933
 Ion Ratio Lower Upper
 62 100
 64 38.2 22.5 41.9



#8
 Chloroethane
 Concen: 0.924 ug/L
 RT: 1.580 min Scan# 168
 Delta R.T. -0.000 min
 Lab File: VV029645.D
 Acq: 13 Dec 2022 12:52

Tgt Ion: 64 Resp: 1925
 Ion Ratio Lower Upper
 64 100
 66 29.1 22.5 41.9

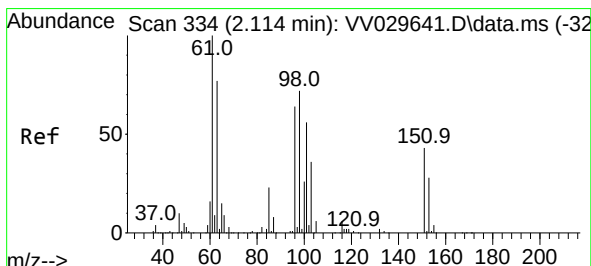
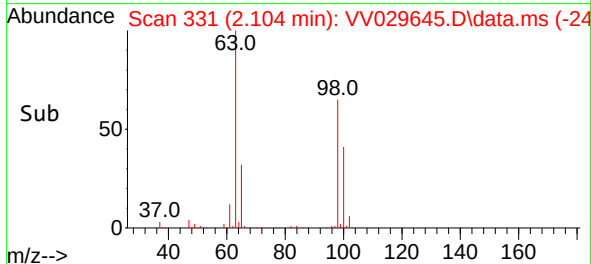
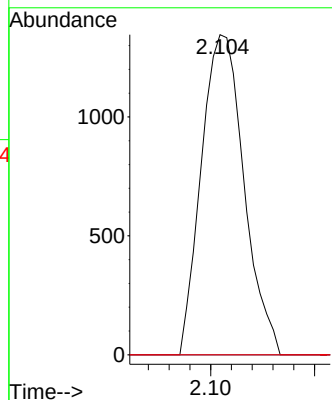
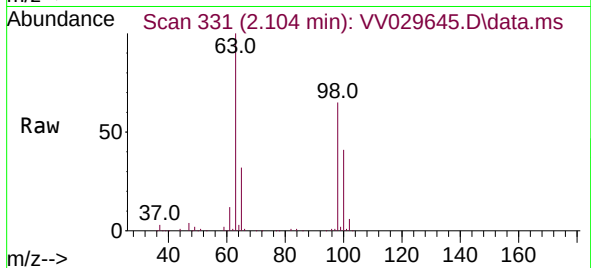




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.738 ug/L
 RT: 2.104 min Scan# 311
 Delta R.T. -0.010 min
 Lab File: VV029645.D
 Acq: 13 Dec 2022 12:52

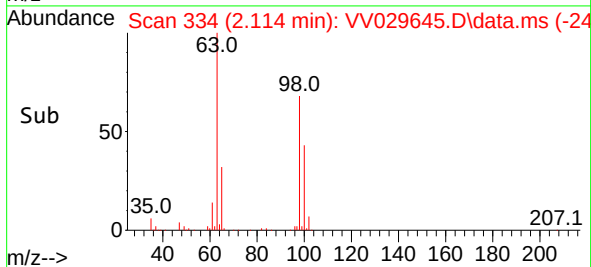
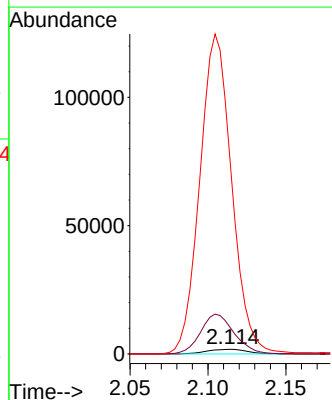
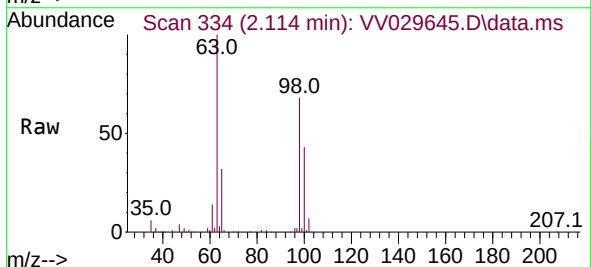
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ69DL

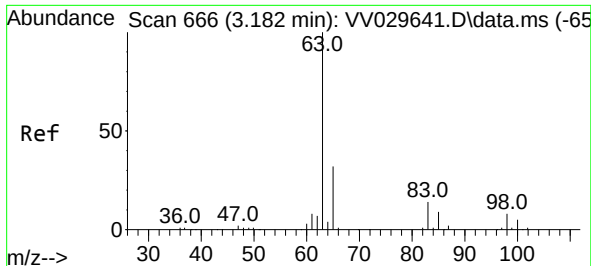
Tgt Ion:101 Resp: 1921
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.6 50.4#
 151 0.0 63.5 95.3#



#12
 1,1-Dichloroethene
 Concen: 1.232 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029645.D
 Acq: 13 Dec 2022 12:52

Tgt Ion: 96 Resp: 3280
 Ion Ratio Lower Upper
 96 100
 61 571.3 103.3 191.9#
 63 4136.0 77.3 143.7#





#19

1,1-Dichloroethane

Concen: 15.214 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029645.D

Acq: 13 Dec 2022 12:52

Instrument :

MSVOA_V

ClientSampleId :

EXZ69DL

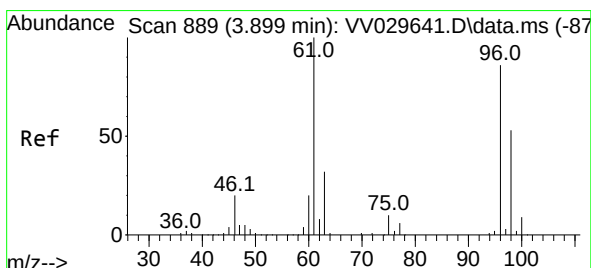
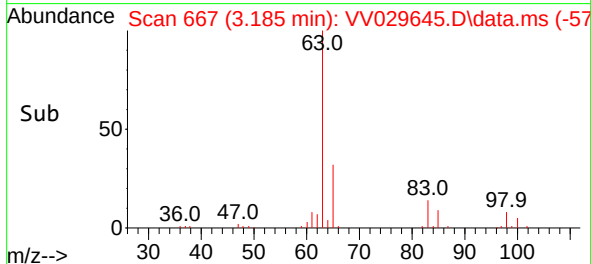
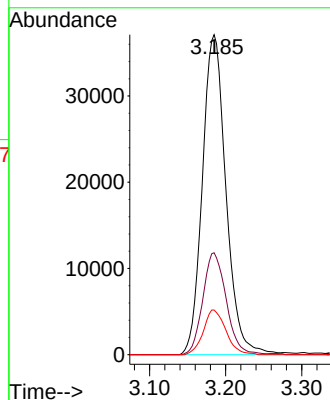
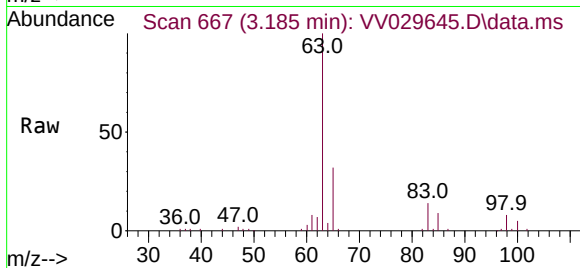
Tgt Ion: 63 Resp: 79975

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.7

83 13.9 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 43.512 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.003 min

Lab File: VV029645.D

Acq: 13 Dec 2022 12:52

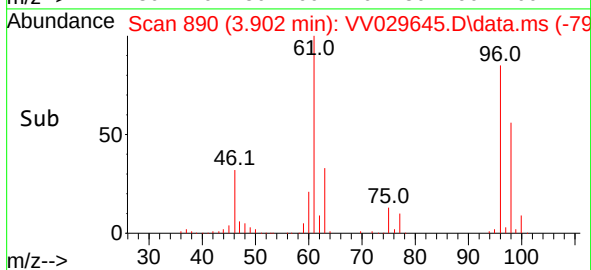
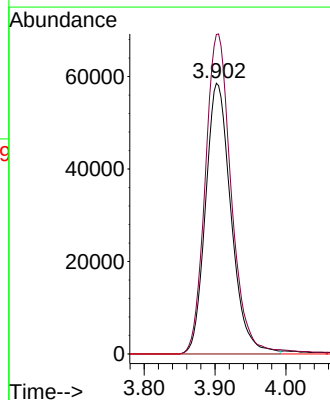
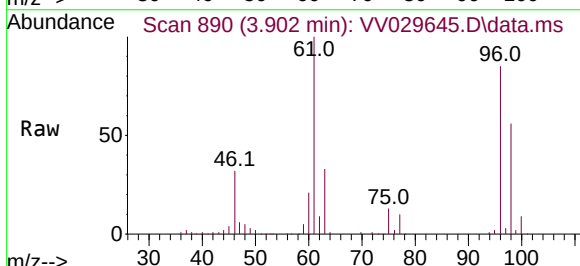
Tgt Ion: 96 Resp: 146812

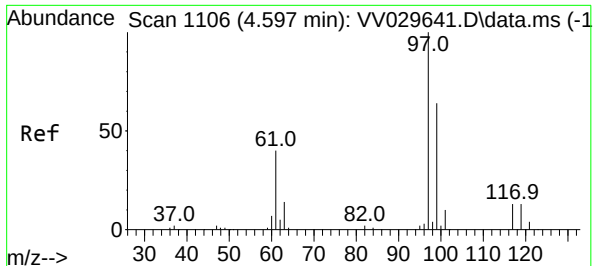
Ion Ratio Lower Upper

96 100

61 118.0 78.0 144.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 12.288 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV029645.D

Acq: 13 Dec 2022 12:52

Instrument :

MSVOA_V

ClientSampleId :

EXZ69DL

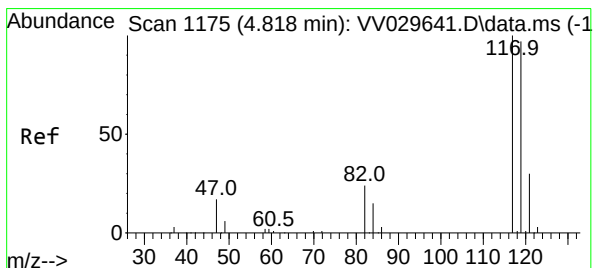
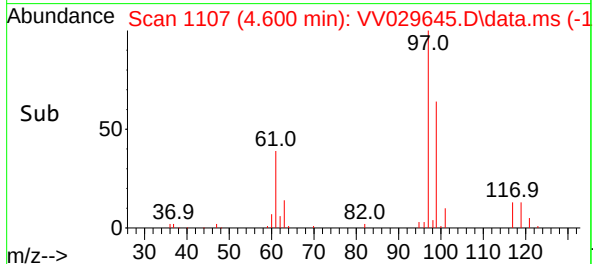
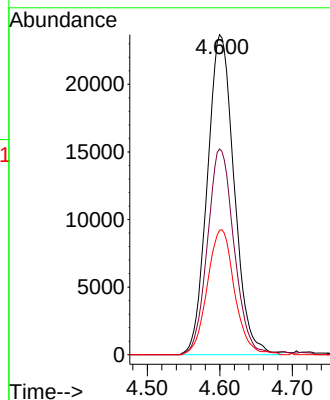
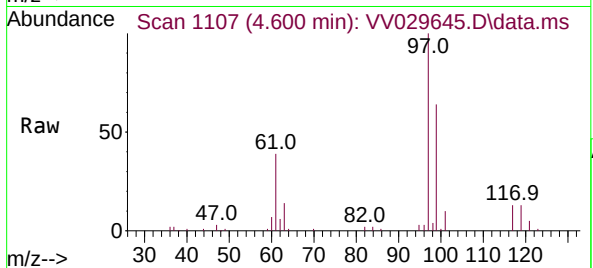
Tgt Ion: 97 Resp: 60865

Ion Ratio Lower Upper

97 100

99 63.8 52.1 78.1

61 39.2 31.8 47.8



#31

Carbon tetrachloride

Concen: 1.855 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.219 min

Lab File: VV029645.D

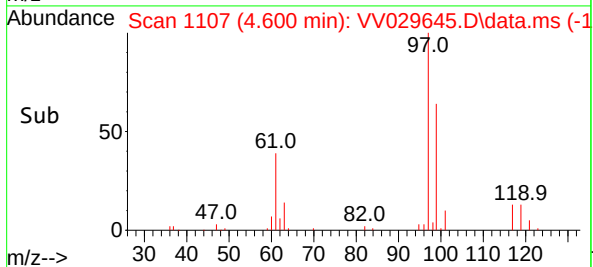
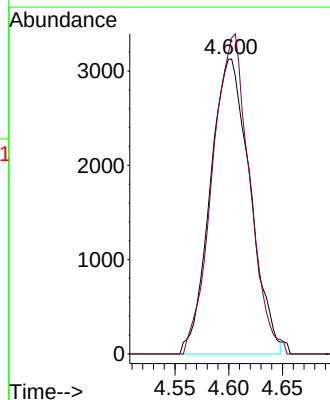
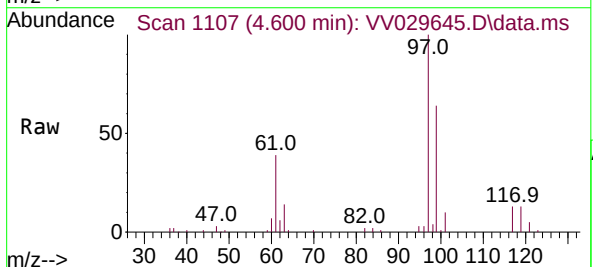
Acq: 13 Dec 2022 12:52

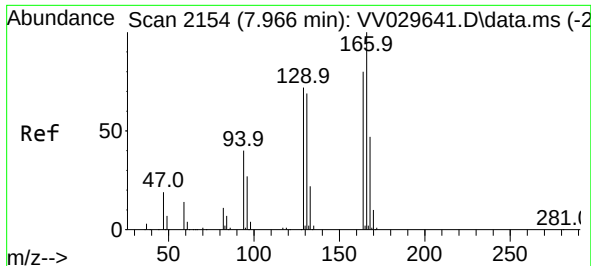
Tgt Ion: 117 Resp: 8022

Ion Ratio Lower Upper

117 100

119 101.5 76.7 115.1

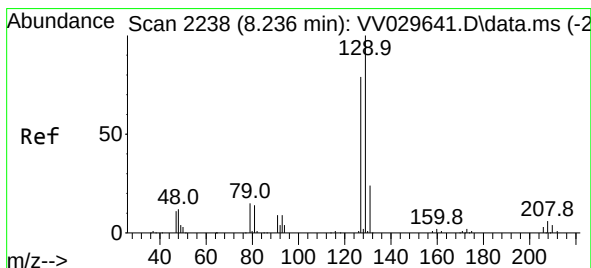
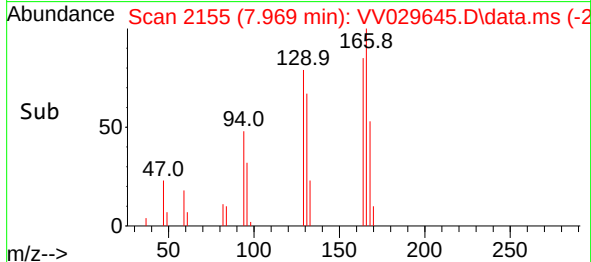
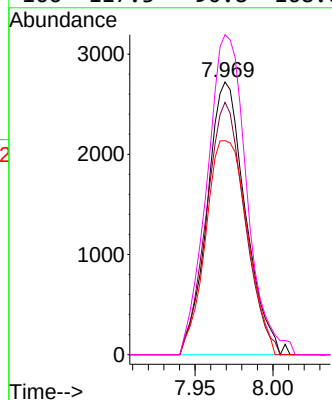
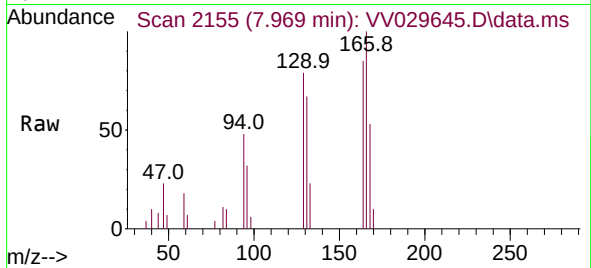




#46
Tetrachloroethene
Concen: 1.788 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV029645.D
Acq: 13 Dec 2022 12:52

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion:164	Resp:	4616
Ion	Ratio	Lower Upper
164	100	
129	92.5	65.3 121.3
131	78.5	63.1 117.1
166	117.3	90.8 168.6



#49
Dibromochloromethane
Concen: 1.209 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.267 min
Lab File: VV029645.D
Acq: 13 Dec 2022 12:52

Tgt Ion:129	Resp:	4267
Ion	Ratio	Lower Upper
129	100	
127	0.0	55.2 102.4#

