

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031558.D
 Acq On : 16 Jun 2023 02:57
 Operator : SY/MD
 Sample : 03254-18
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYZ1

Quant Time: Jun 16 06:20:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 05:51:14 2023
 Response via : Initial Calibration

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

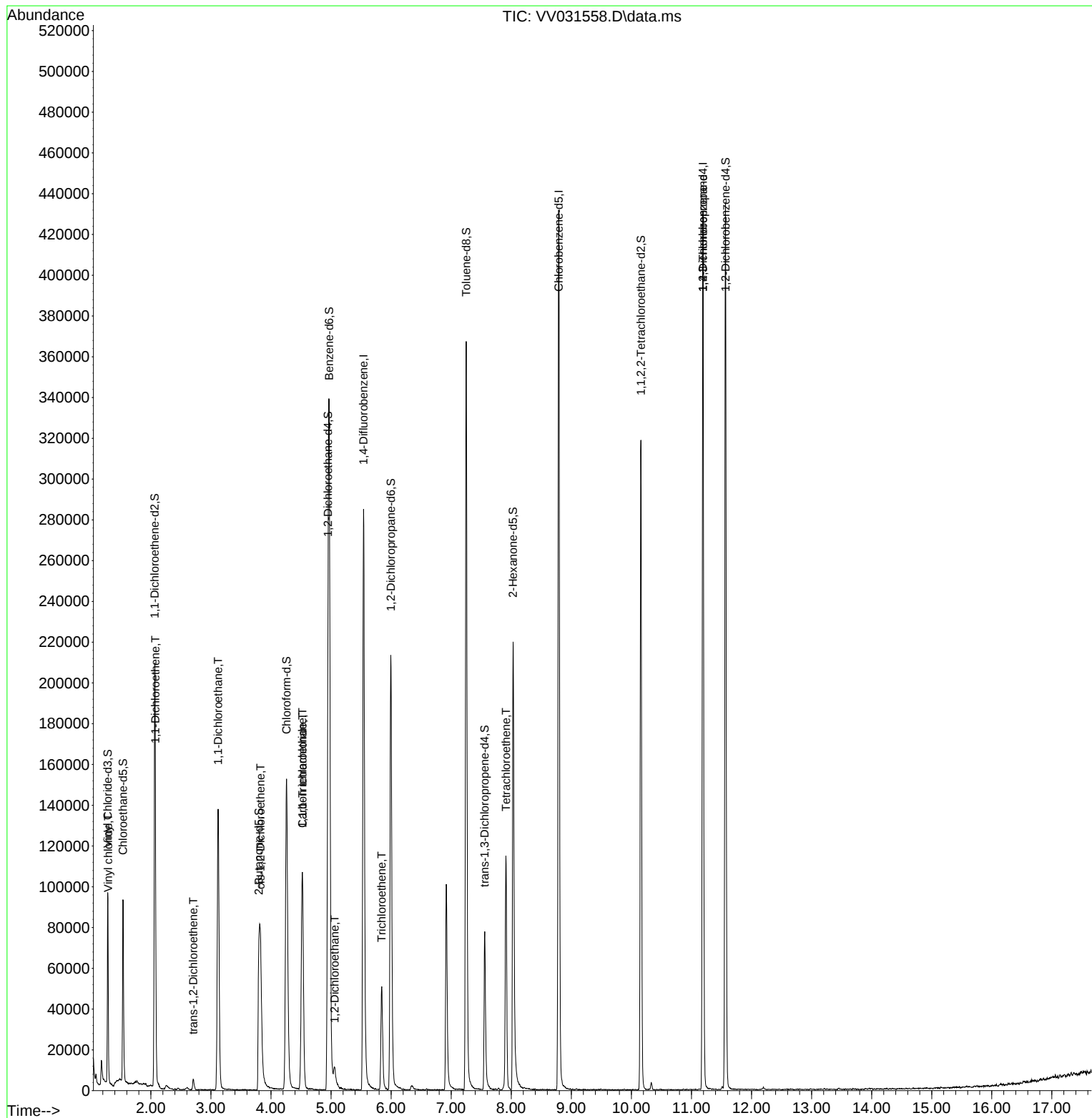
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	233861	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	230380	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	108477	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	59875	38.470	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.940%		
7) Chloroethane-d5	1.536	69	58706	43.229	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.460%		
11) 1,1-Dichloroethene-d2	2.066	65	31710	39.531	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.060%		
21) 2-Butanone-d5	3.799	46	106764	84.715	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.710%		
24) Chloroform-d	4.259	84	168492	43.226	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.460%		
26) 1,2-Dichloroethane-d4	4.950	65	112514	46.135	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.260%		
32) Benzene-d6	4.970	84	296383	45.705	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.420%		
36) 1,2-Dichloropropane-d6	5.995	67	108541	47.225	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.440%		
41) Toluene-d8	7.249	98	250102	42.029	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.060%		
43) trans-1,3-Dichloroprop...	7.558	79	47327	42.239	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.480%		
47) 2-Hexanone-d5	8.031	63	77440	85.336	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.340%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	152527	43.966	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.940%		
66) 1,2-Dichlorobenzene-d4	11.567	152	107561	52.018	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.040%		
Target Compounds						
5) Vinyl chloride	1.288	62	2472	1.065	ug/L #	65
12) 1,1-Dichloroethene	2.076	96	13359	7.720	ug/L #	1
17) trans-1,2-Dichloroethene	2.706	96	1960	1.085	ug/L	79
19) 1,1-Dichloroethane	3.121	63	144355	37.029	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	27068	13.867	ug/L	93
27) 1,2-Dichloroethane	5.060	62	9137	2.921	ug/L	97
30) 1,1,1-Trichloroethane	4.523	97	90079	24.387	ug/L	98
31) Carbon tetrachloride	4.523	117	10983	3.356	ug/L	97
34) Trichloroethene	5.844	95	18648	9.098	ug/L	87
46) Tetrachloroethene	7.912	164	24438	15.192	ug/L	96
61) 1,2,3-Trichloropropane	11.191	75	12885	6.014	ug/L #	66

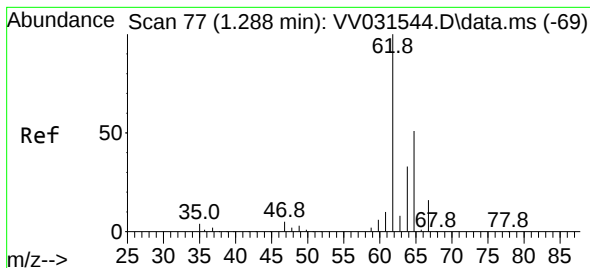
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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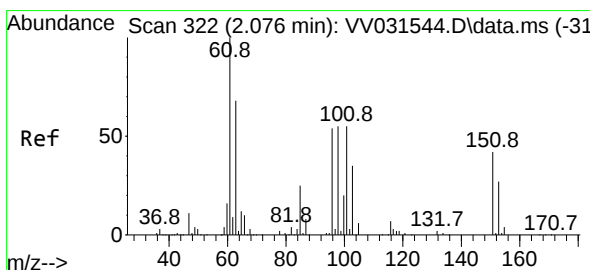
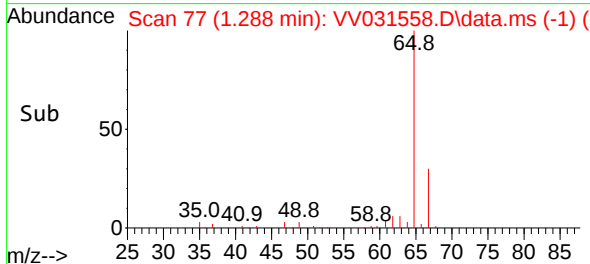
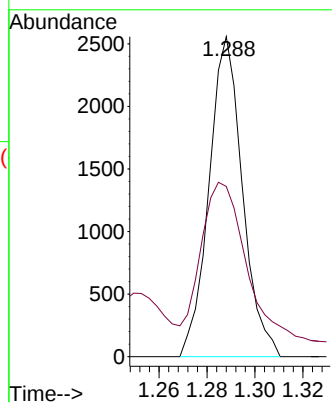
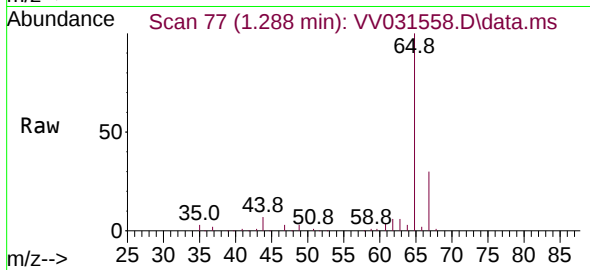




#5
 Vinyl chloride
 Concen: 1.065 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031558.D
 Acq: 16 Jun 2023 02:57

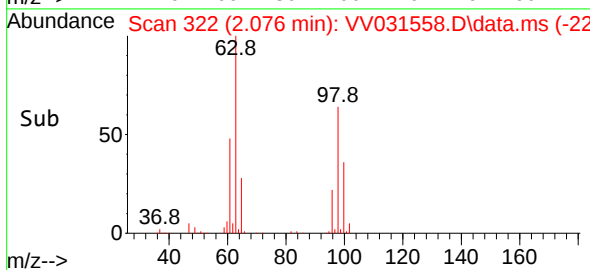
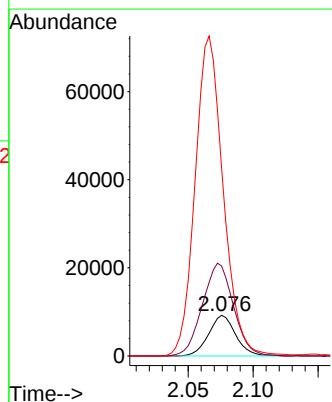
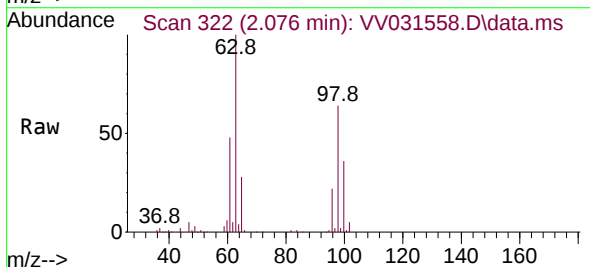
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYZ1

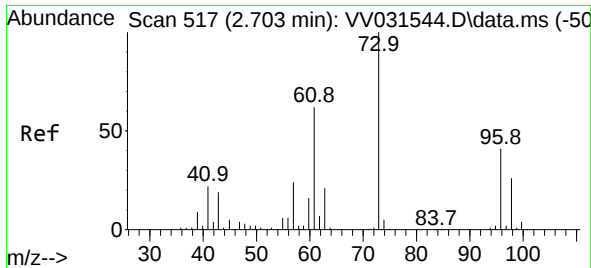
Tgt Ion: 62 Resp: 2472
 Ion Ratio Lower Upper
 62 100
 64 53.2 23.4 43.4#



#12
 1,1-Dichloroethene
 Concen: 7.720 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV031558.D
 Acq: 16 Jun 2023 02:57

Tgt Ion: 96 Resp: 13359
 Ion Ratio Lower Upper
 96 100
 61 201.6 128.9 239.5
 63 419.5 95.3 177.1#

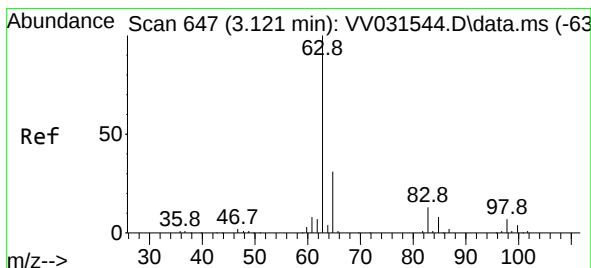
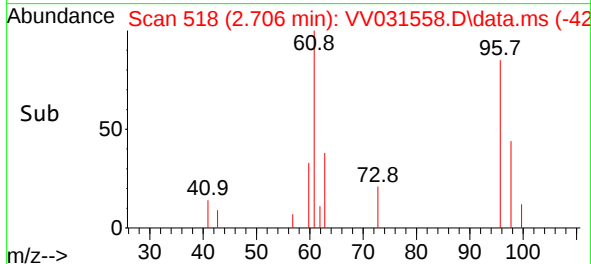
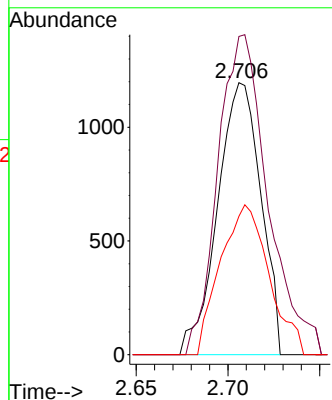
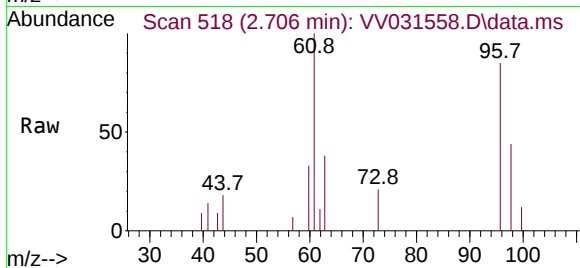




#17
trans-1,2-Dichloroethene
Concen: 1.085 ug/L
RT: 2.706 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV031558.D
Acq: 16 Jun 2023 02:57

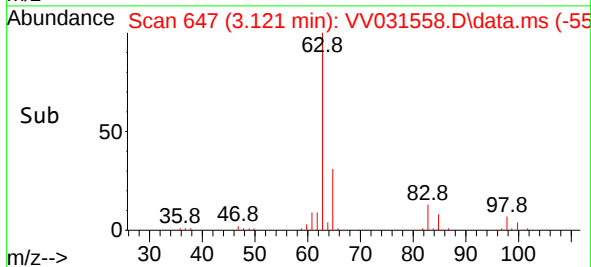
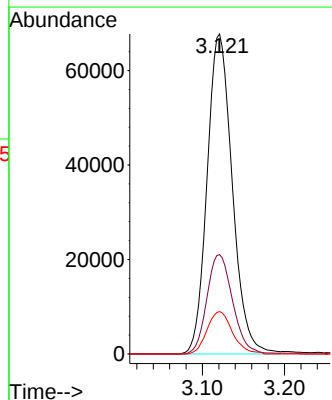
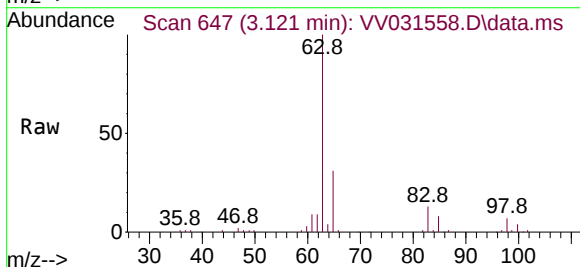
Instrument :
MSVOA_V
ClientSampleId :
EXYZ1

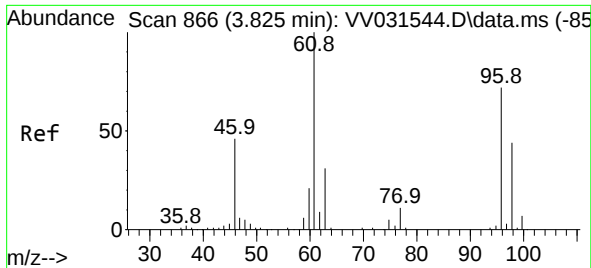
Tgt Ion: 96 Resp: 1960
Ion Ratio Lower Upper
96 100
61 117.0 102.5 190.3
98 50.9 44.1 81.9



#19
1,1-Dichloroethane
Concen: 37.029 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.000 min
Lab File: VV031558.D
Acq: 16 Jun 2023 02:57

Tgt Ion: 63 Resp: 144355
Ion Ratio Lower Upper
63 100
65 31.0 22.5 41.7
83 13.2 10.0 18.6

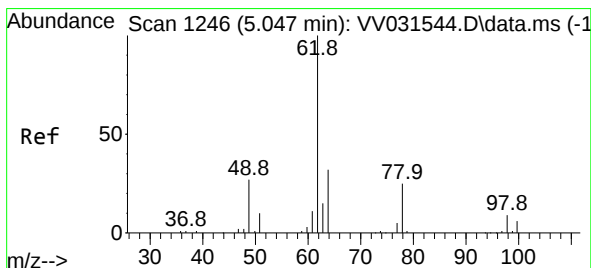
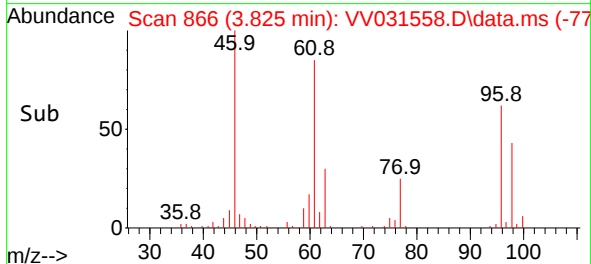
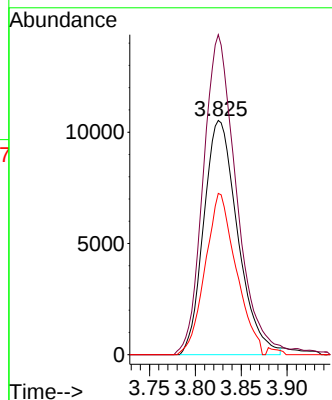
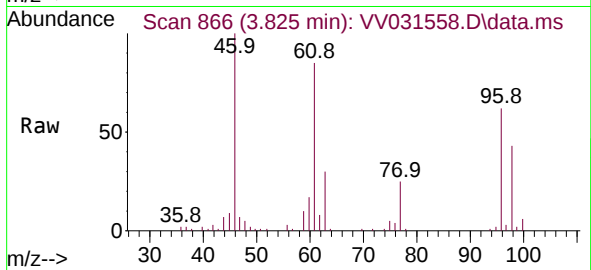




#20
cis-1,2-Dichloroethene
Concen: 13.867 ug/L
RT: 3.825 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV031558.D
Acq: 16 Jun 2023 02:57

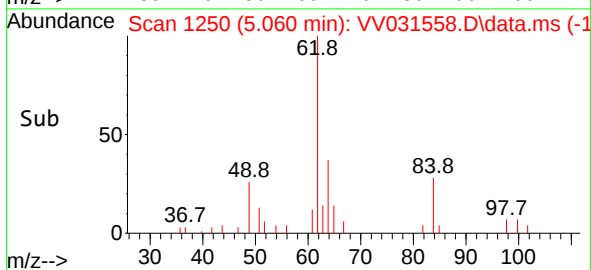
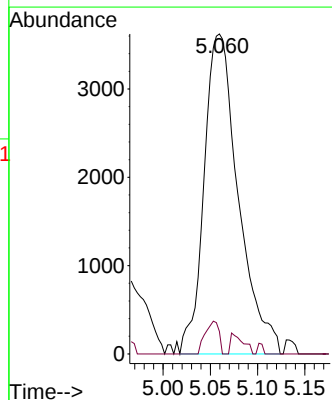
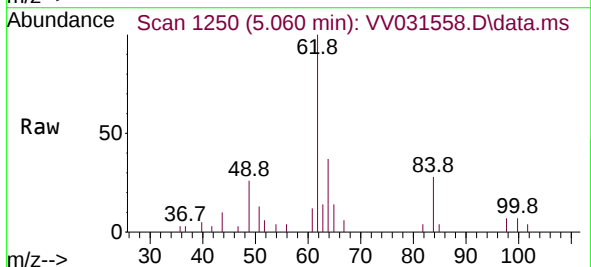
Instrument :
MSVOA_V
ClientSampleId :
XYZ1

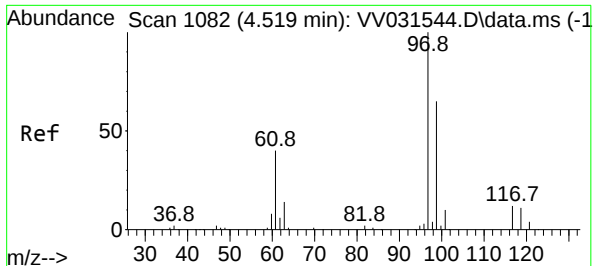
Tgt Ion: 96 Resp: 27068
Ion Ratio Lower Upper
96 100
61 131.0 98.6 183.0
98 68.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 2.921 ug/L
RT: 5.060 min Scan# 1250
Delta R.T. 0.013 min
Lab File: VV031558.D
Acq: 16 Jun 2023 02:57

Tgt Ion: 62 Resp: 9137
Ion Ratio Lower Upper
62 100
98 7.1 6.6 9.8





#30

1,1,1-Trichloroethane

Concen: 24.387 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031558.D

Acq: 16 Jun 2023 02:57

Instrument :

MSVOA_V

ClientSampleId :

EXYZ1

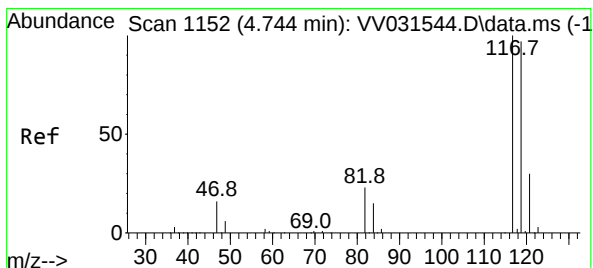
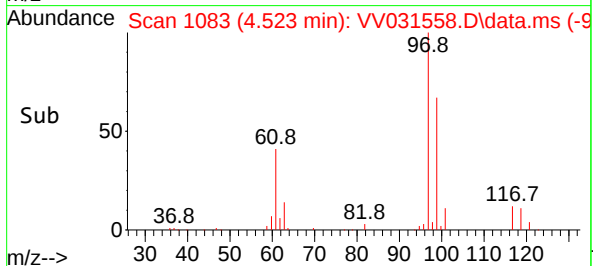
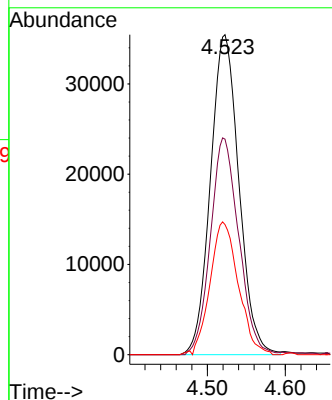
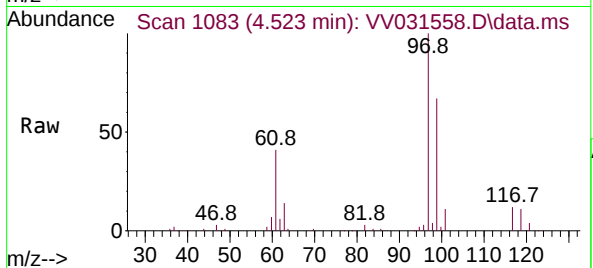
Tgt Ion: 97 Resp: 90079

Ion Ratio Lower Upper

97 100

99 67.4 51.8 77.6

61 41.1 33.0 49.6



#31

Carbon tetrachloride

Concen: 3.356 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. -0.222 min

Lab File: VV031558.D

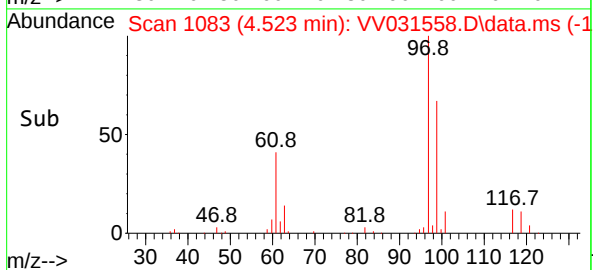
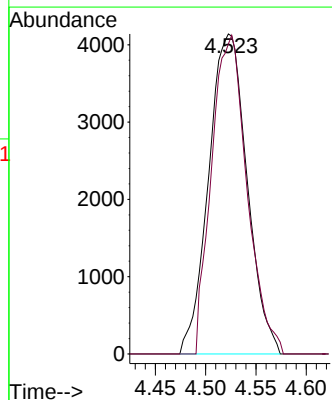
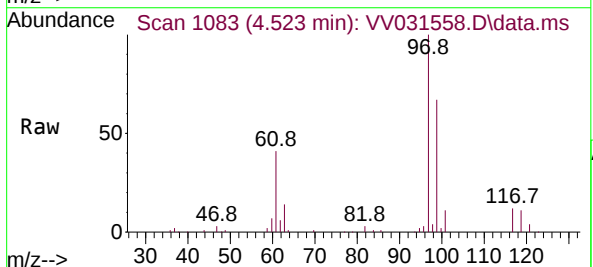
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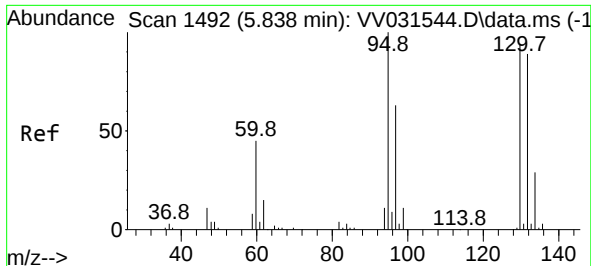
Tgt Ion: 117 Resp: 10983

Ion Ratio Lower Upper

117 100

119 91.9 76.2 114.4

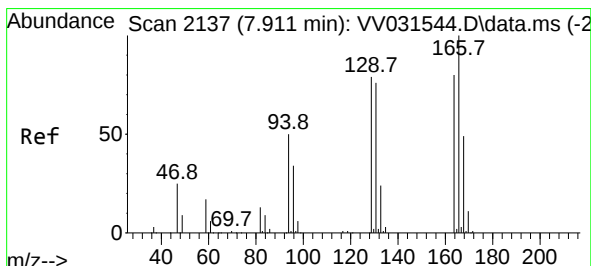
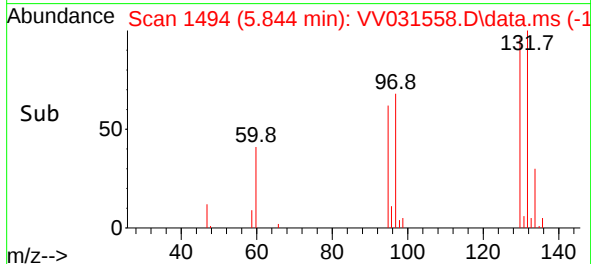
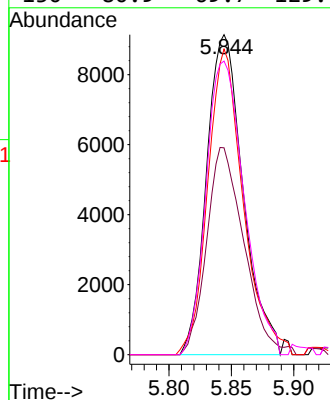
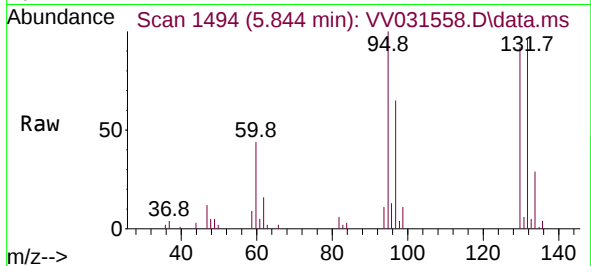




#34
Trichloroethene
Concen: 9.098 ug/L
RT: 5.844 min Scan# 1492
Delta R.T. 0.007 min
Lab File: VV031558.D
Acq: 16 Jun 2023 02:57

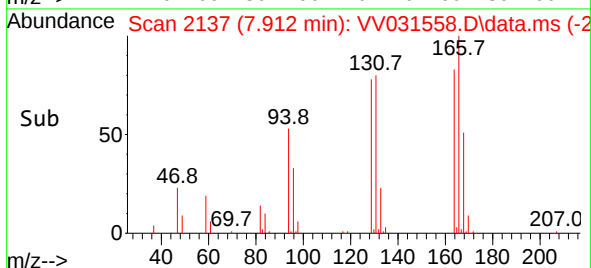
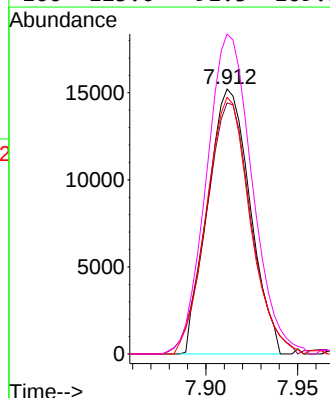
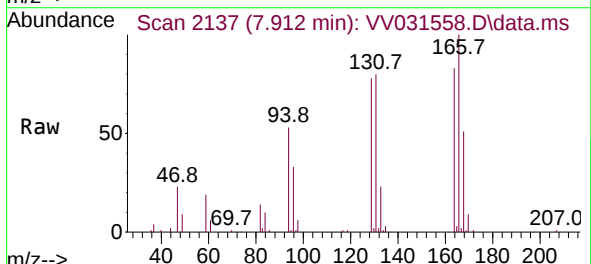
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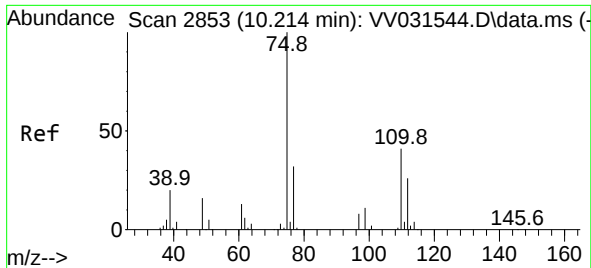
Tgt Ion: 95	Resp: 18648
Ion Ratio	Lower Upper
95 100	
97 57.0	46.8 86.8
132 88.7	66.4 123.2
130 80.9	69.7 129.4



#46
Tetrachloroethene
Concen: 15.192 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031558.D
Acq: 16 Jun 2023 02:57

Tgt	Ion:164	Resp:	24438
Ion	Ratio	Lower	Upper
164	100		
129	94.7	68.4	127.0
131	96.9	67.6	125.6
166	123.0	91.3	169.5





#61
 1,2,3-Trichloropropane
 Concen: 6.014 ug/L
 RT: 11.191 min Scan# 31
 Delta R.T. 0.978 min
 Lab File: VV031558.D
 Acq: 16 Jun 2023 02:57

Instrument :
 MSVOA_V
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Tgt Ion: 75 Resp: 12885
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.0
 110 2.2 31.3 46.9#

