

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031525.D
 Acq On : 15 Jun 2023 12:55
 Operator : SY/MD
 Sample : 03249-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS3

Quant Time: Jun 16 02:46:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 02:44:48 2023
 Response via : Initial Calibration

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

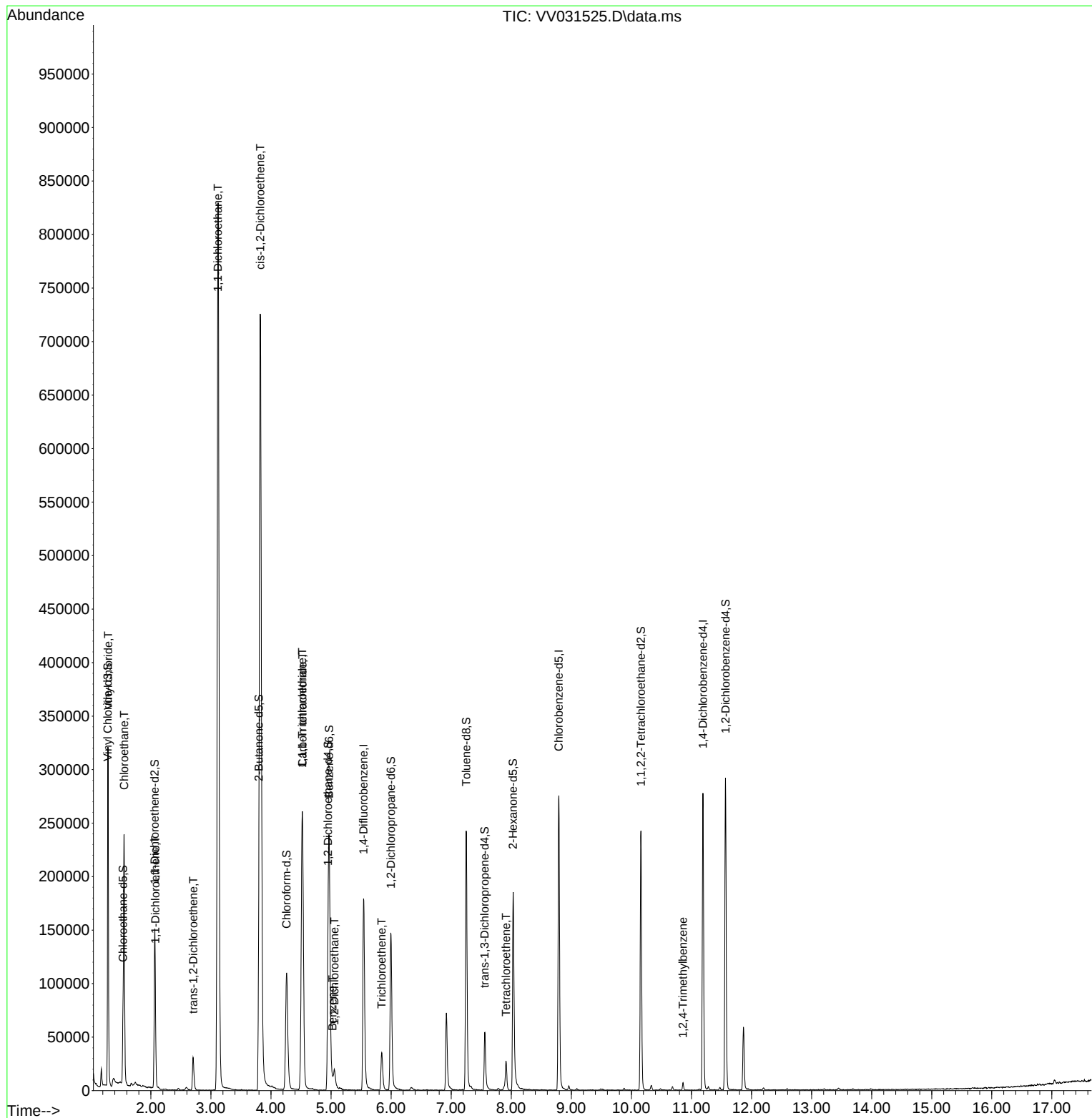
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	146072	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	146681	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	69173	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	45849	47.162	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.320%		
7) Chloroethane-d5	1.536	69	42651	50.282	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.560%		
11) 1,1-Dichloroethene-d2	2.066	65	23720	47.342	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.680%		
21) 2-Butanone-d5	3.799	46	104710	133.019	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	133.020%#		
24) Chloroform-d	4.259	84	120403	49.453	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.900%		
26) 1,2-Dichloroethane-d4	4.950	65	80297	52.712	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.420%		
32) Benzene-d6	4.970	84	202699	49.095	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.180%		
36) 1,2-Dichloropropane-d6	5.995	67	74409	50.848	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.700%		
41) Toluene-d8	7.249	98	164762	43.487	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.980%		
43) trans-1,3-Dichloroprop...	7.558	79	33729	47.281	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.560%		
47) 2-Hexanone-d5	8.031	63	66879	115.751	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	115.750%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	116678	52.824	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.640%		
66) 1,2-Dichlorobenzene-d4	11.567	152	71113	53.932	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.860%		
Target Compounds						Qvalue
5) Vinyl chloride	1.288	62	163077	112.521	ug/L	100
8) Chloroethane	1.555	64	135158	144.389	ug/L	97
12) 1,1-Dichloroethene	2.076	96	6599	6.106	ug/L #	1
17) trans-1,2-Dichloroethene	2.706	96	10402	9.220	ug/L	98
19) 1,1-Dichloroethane	3.118	63	849637	348.930	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	376696	308.960	ug/L	99
27) 1,2-Dichloroethane	5.056	62	16181	8.283	ug/L	96
30) 1,1,1-Trichloroethane	4.519	97	226175	96.174	ug/L	100
31) Carbon tetrachloride	4.523	117	26354	12.648	ug/L	97
33) Benzene	5.024	78	7231	1.481	ug/L	100
34) Trichloroethene	5.844	95	13858	10.619	ug/L	82
46) Tetrachloroethene	7.912	164	5144	5.022	ug/L	92
63) 1,2,4-Trimethylbenzene	10.860	105	3768	1.110	ug/L	96

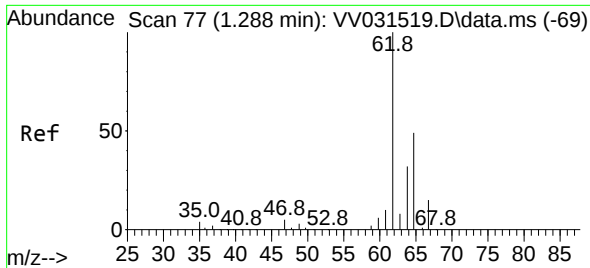
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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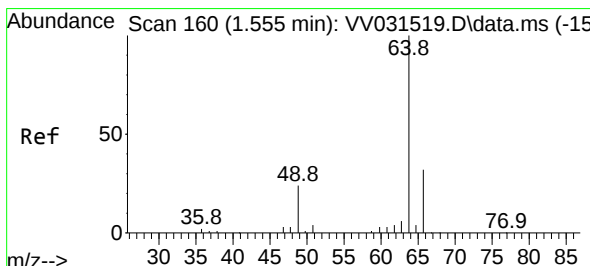
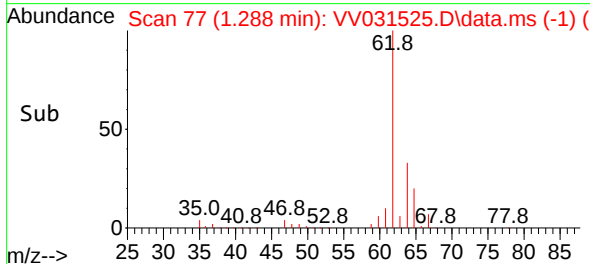
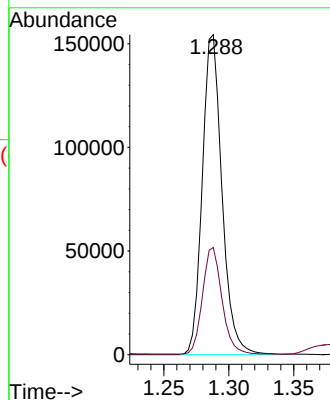
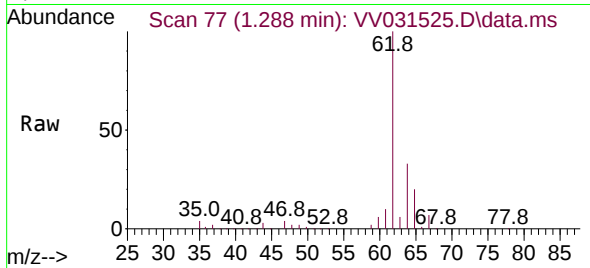




#5
 Vinyl chloride
 Concen: 112.521 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031525.D
 Acq: 15 Jun 2023 12:55

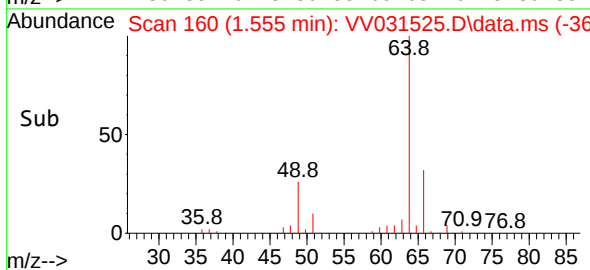
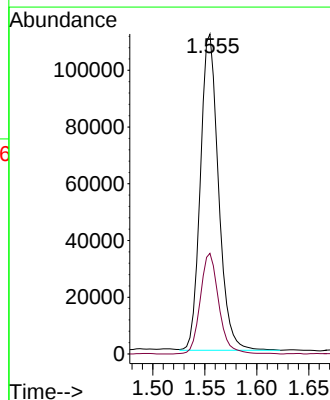
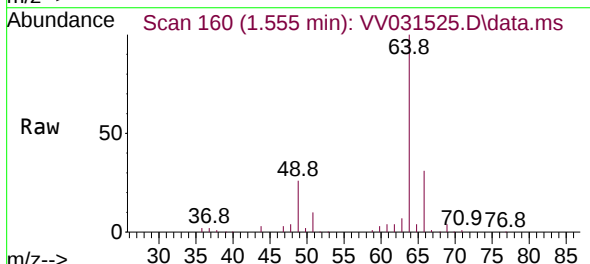
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS3

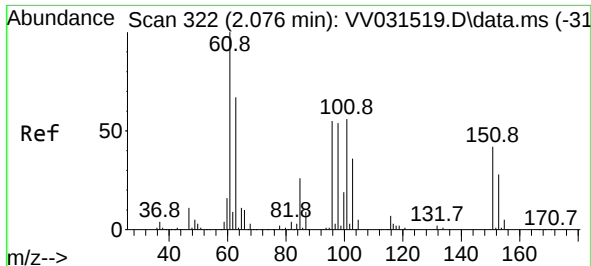
Tgt Ion: 62 Resp: 163077
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.4



#8
 Chloroethane
 Concen: 144.389 ug/L
 RT: 1.555 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VV031525.D
 Acq: 15 Jun 2023 12:55

Tgt Ion: 64 Resp: 135158
 Ion Ratio Lower Upper
 64 100
 66 31.5 21.0 39.0

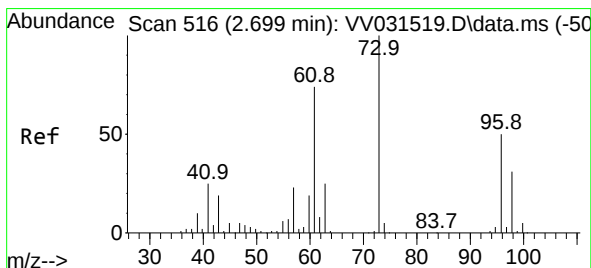
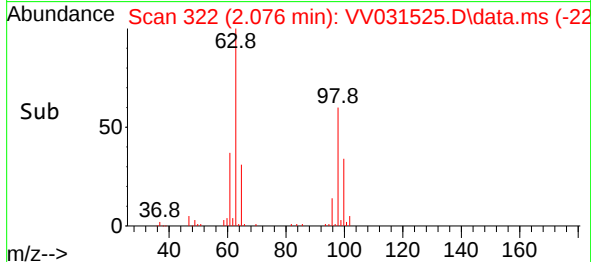
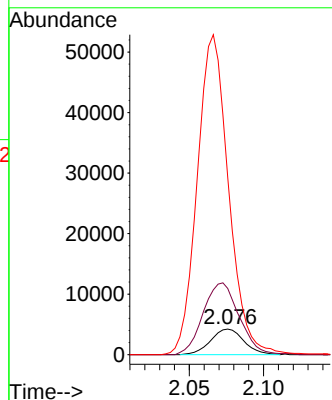
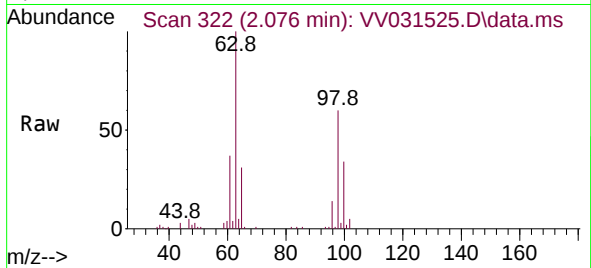




#12
1,1-Dichloroethene
Concen: 6.106 ug/L
RT: 2.076 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031525.D
Acq: 15 Jun 2023 12:55

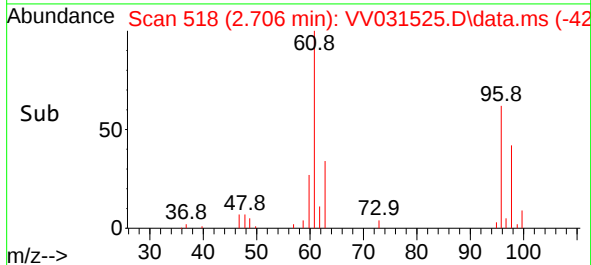
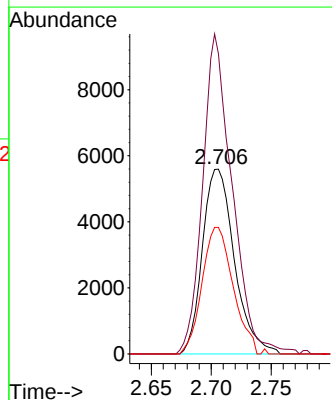
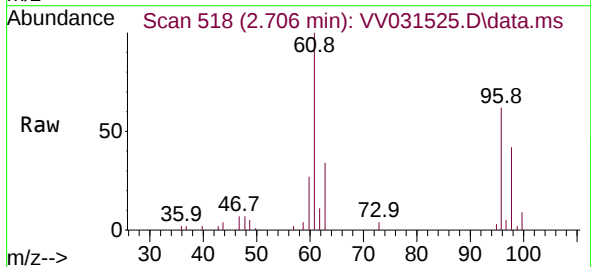
Instrument :
MSVOA_V
ClientSampleId :
EXYS3

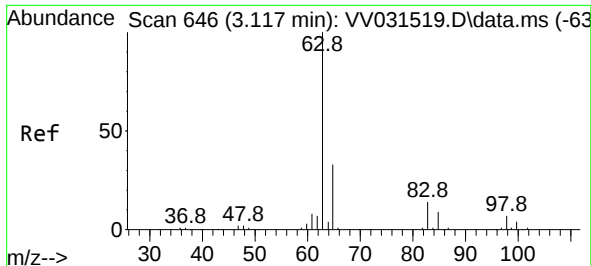
Tgt Ion: 96 Resp: 6599
Ion Ratio Lower Upper
96 100
61 259.1 128.9 239.5#
63 693.9 95.3 177.1#



#17
trans-1,2-Dichloroethene
Concen: 9.220 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.007 min
Lab File: VV031525.D
Acq: 15 Jun 2023 12:55

Tgt Ion: 96 Resp: 10402
Ion Ratio Lower Upper
96 100
61 150.0 102.5 190.3
98 63.2 44.1 81.9





#19

1,1-Dichloroethane

Concen: 348.930 ug/L

RT: 3.118 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

EXYS3

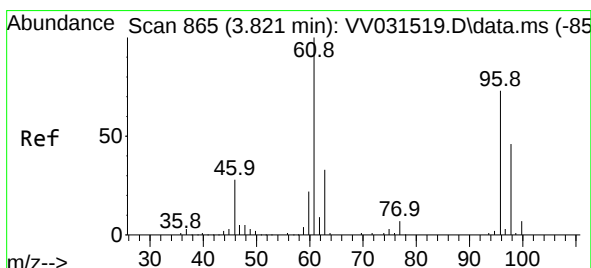
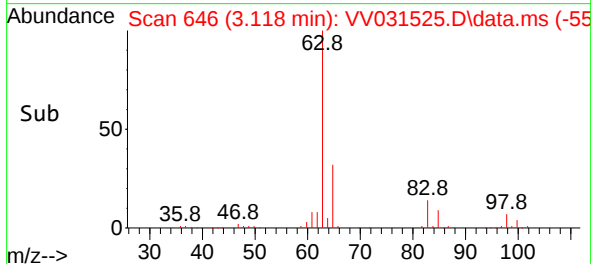
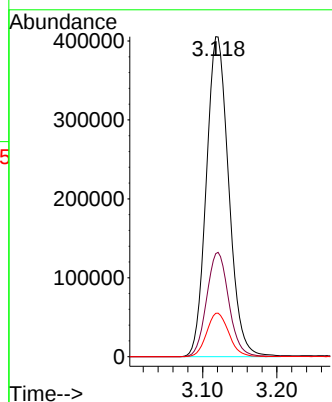
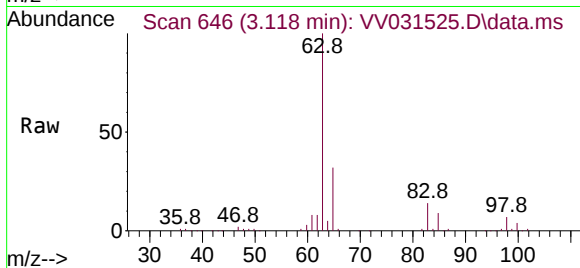
Tgt Ion: 63 Resp: 849637

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

83 13.5 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 308.960 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

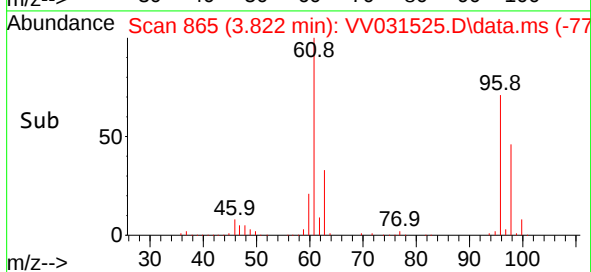
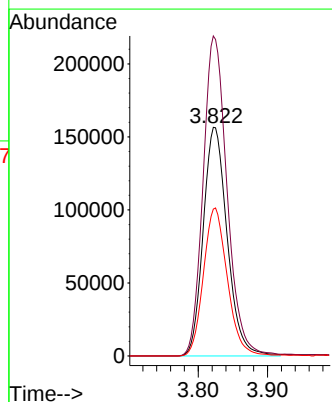
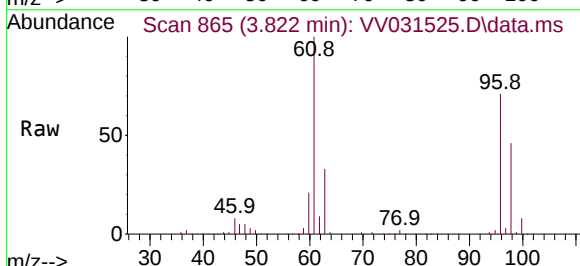
Tgt Ion: 96 Resp: 376696

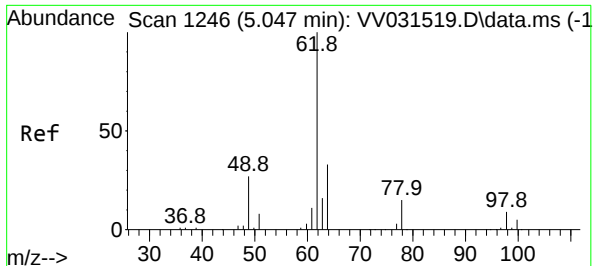
Ion Ratio Lower Upper

96 100

61 140.0 98.6 183.0

98 64.3 45.7 84.9





#27

1,2-Dichloroethane

Concen: 8.283 ug/L

RT: 5.056 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

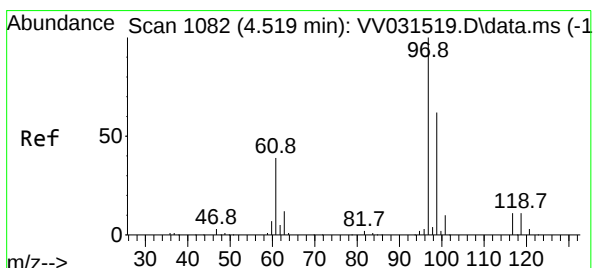
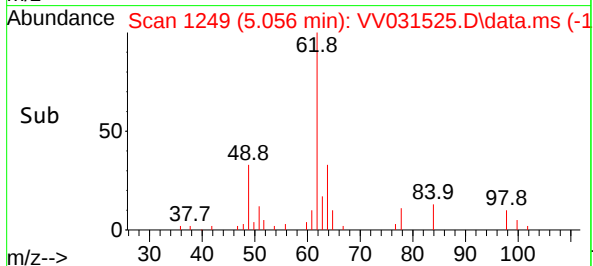
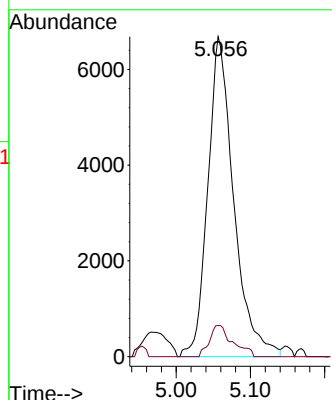
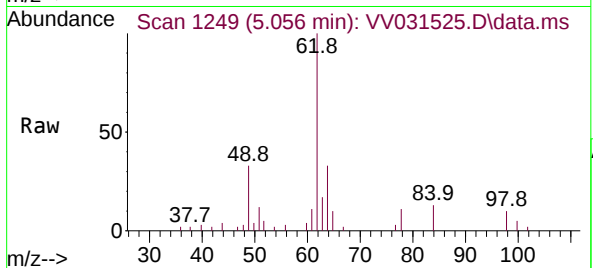
EXYS3

Tgt Ion: 62 Resp: 16181

Ion Ratio Lower Upper

62 100

98 9.7 6.6 9.8



#30

1,1,1-Trichloroethane

Concen: 96.174 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

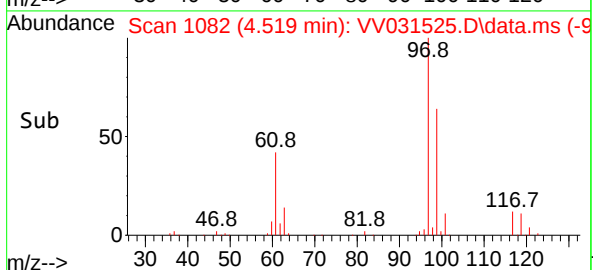
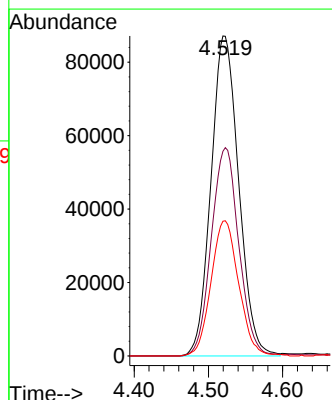
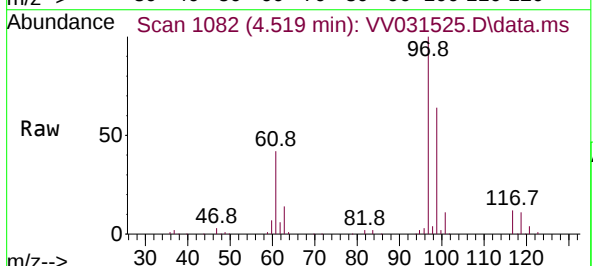
Tgt Ion: 97 Resp: 226175

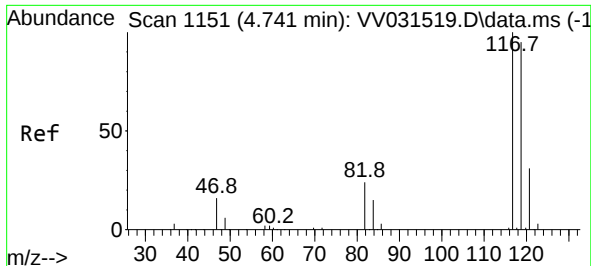
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 42.0 33.0 49.6

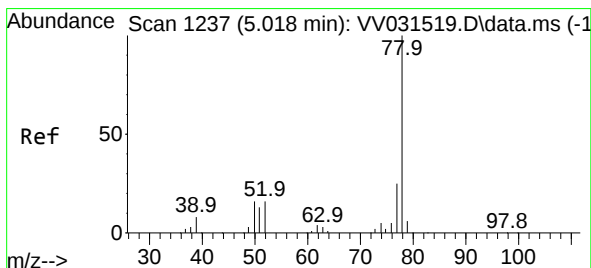
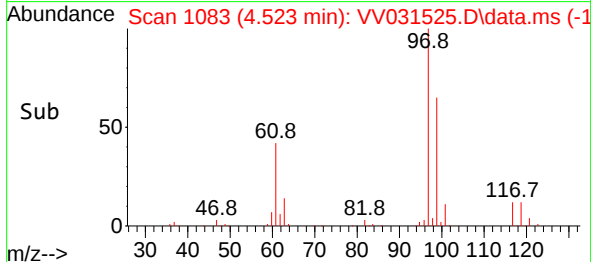
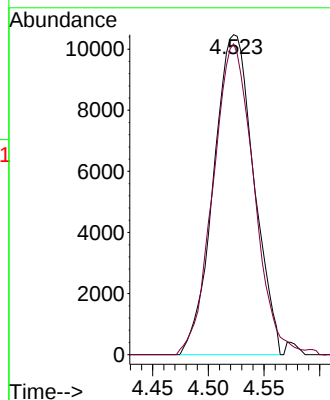
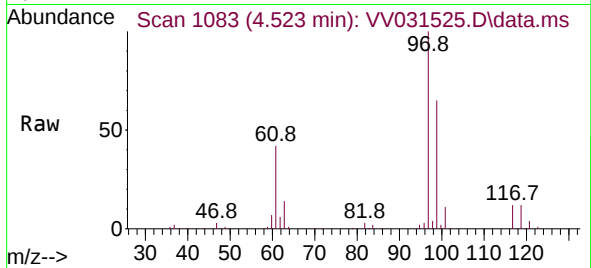




#31
Carbon tetrachloride
Concen: 12.648 ug/L
RT: 4.523 min Scan# 1151
Delta R.T. -0.218 min
Lab File: VV031525.D
Acq: 15 Jun 2023 12:55

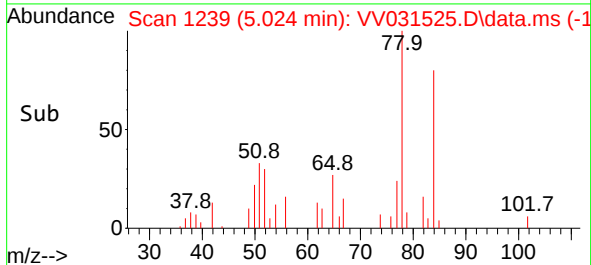
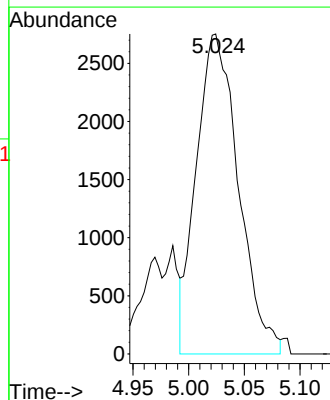
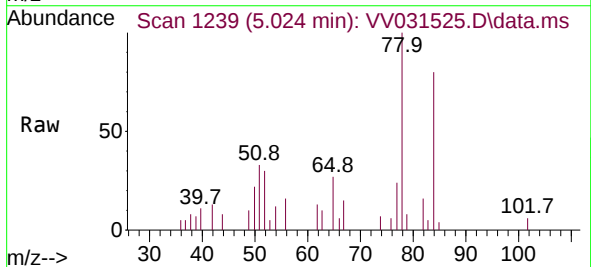
Instrument :
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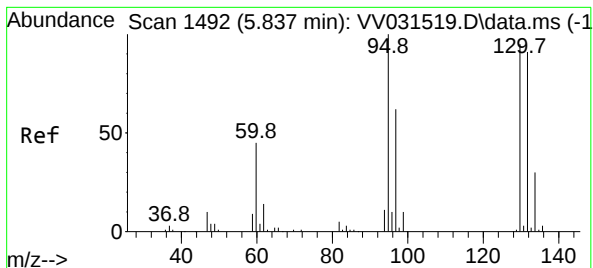
Tgt Ion:117 Resp: 26354
Ion Ratio Lower Upper
117 100
119 98.0 76.2 114.4



#33
Benzene
Concen: 1.481 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.007 min
Lab File: VV031525.D
Acq: 15 Jun 2023 12:55

Tgt Ion: 78 Resp: 7231





#34

Trichloroethene

Concen: 10.619 ug/L

RT: 5.844 min Scan# 1492

Delta R.T. 0.007 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

EXYS3

Tgt Ion: 95 Resp: 13858

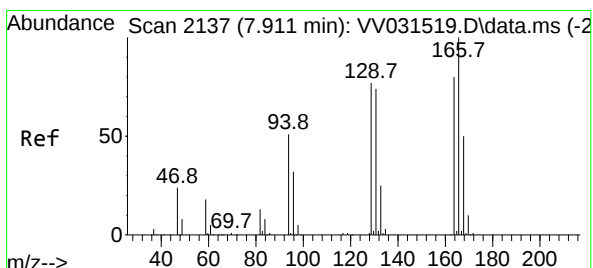
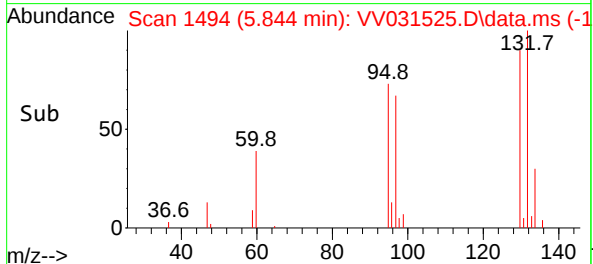
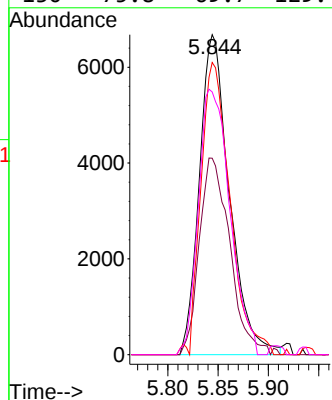
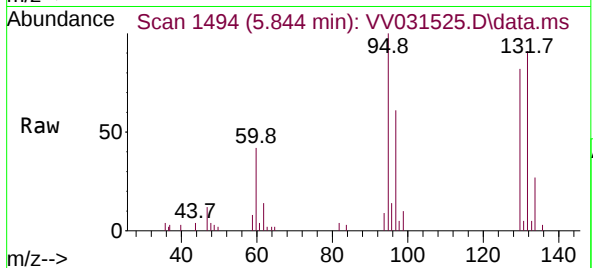
Ion Ratio Lower Upper

95 100

97 57.6 46.8 86.8

132 79.7 66.4 123.2

130 75.8 69.7 129.4



#46

Tetrachloroethene

Concen: 5.022 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031525.D

Acq: 15 Jun 2023 12:55

Tgt Ion:164 Resp: 5144

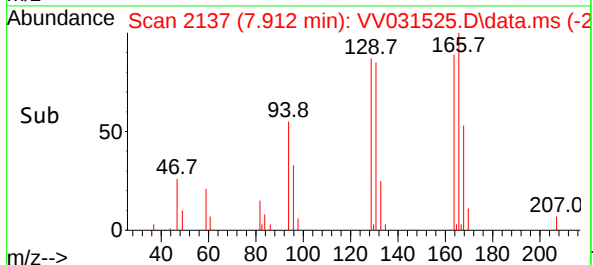
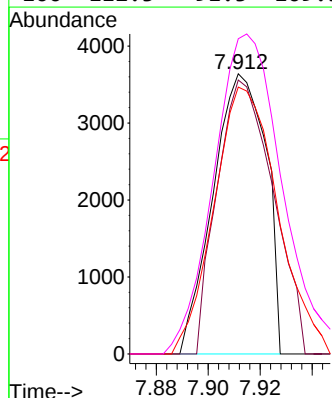
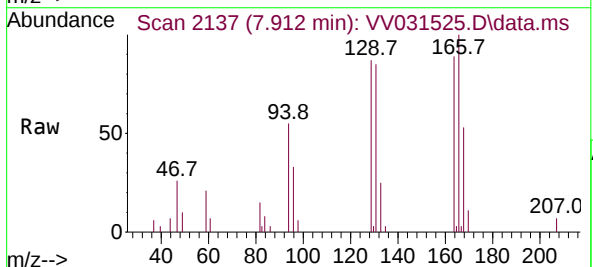
Ion Ratio Lower Upper

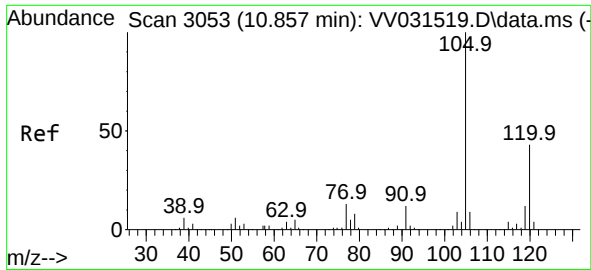
164 100

129 98.6 68.4 127.0

131 92.5 67.6 125.6

166 112.3 91.3 169.5





#63
 1,2,4-Trimethylbenzene
 Concen: 1.110 ug/L
 RT: 10.860 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VV031525.D
 Acq: 15 Jun 2023 12:55

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS3

Tgt Ion:105 Resp: 3768
 Ion Ratio Lower Upper
 105 100
 120 39.4 33.4 50.2

