

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031554.D
 Acq On : 16 Jun 2023 01:24
 Operator : SY/MD
 Sample : 03254-14
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYX5

Quant Time: Jun 16 06:19:34 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)

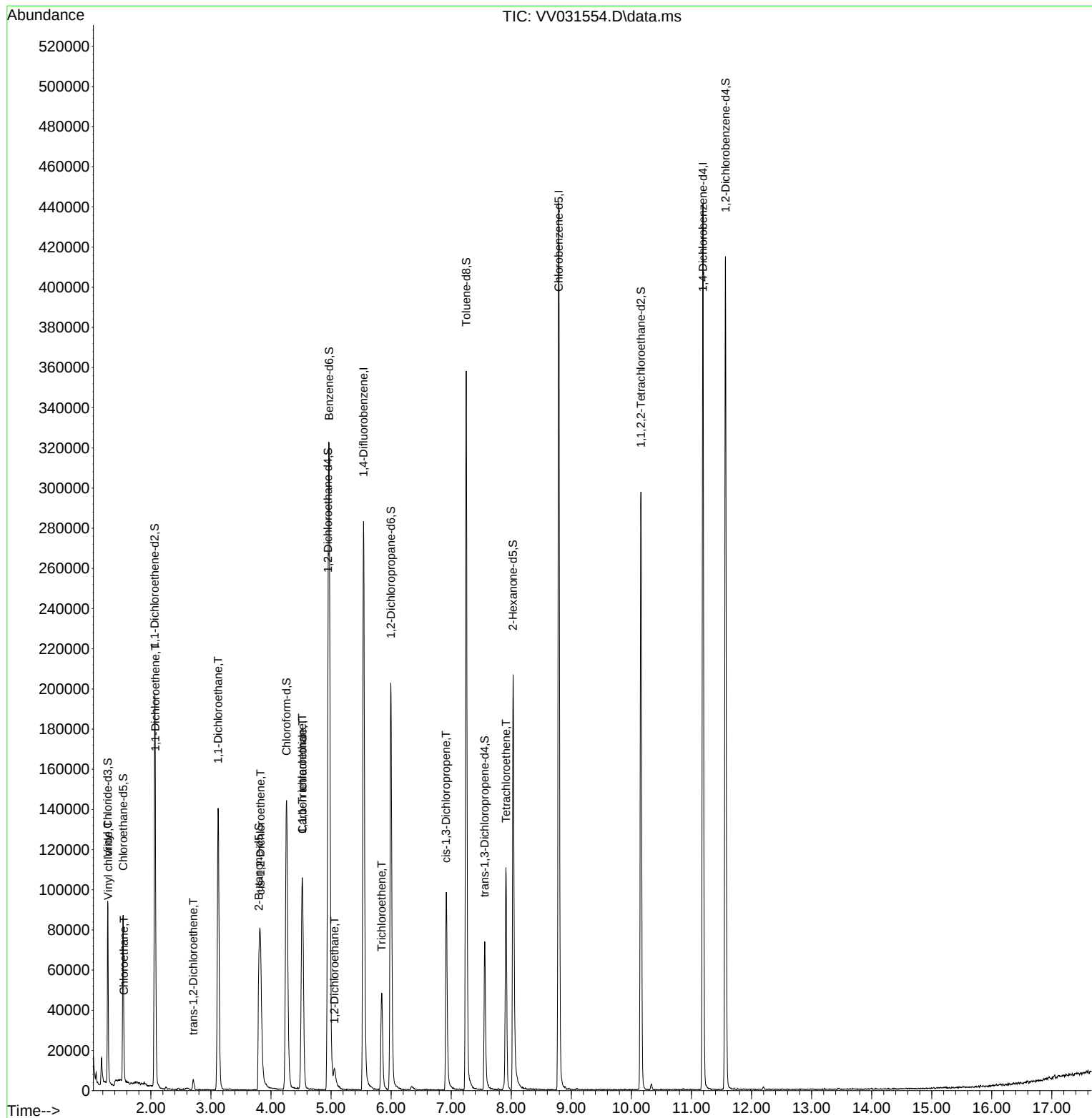
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	235289	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	229337	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	110352	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	57073	36.447	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.900%
7) Chloroethane-d5	1.539	69	54982	40.241	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.480%
11) 1,1-Dichloroethene-d2	2.066	65	30059	37.246	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.500%
21) 2-Butanone-d5	3.799	46	101625	80.148	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.150%
24) Chloroform-d	4.259	84	159873	40.766	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.540%
26) 1,2-Dichloroethane-d4	4.950	65	107744	43.911	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.820%
32) Benzene-d6	4.969	84	276851	42.887	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.780%
36) 1,2-Dichloropropane-d6	5.995	67	101439	44.336	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.680%
41) Toluene-d8	7.249	98	236554	39.933	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.860%#
43) trans-1,3-Dichloroprop...	7.558	79	44347	39.760	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.520%
47) 2-Hexanone-d5	8.030	63	73669	81.549	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.550%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	143590	41.578	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.160%
66) 1,2-Dichlorobenzene-d4	11.567	152	103283	49.101	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.288	62	2198	0.942	ug/L #	19
8) Chloroethane	1.552	64	1480	0.982	ug/L #	77
12) 1,1-Dichloroethene	2.076	96	13977	8.028	ug/L #	1
17) trans-1,2-Dichloroethene	2.706	96	1783	0.981	ug/L	92
19) 1,1-Dichloroethane	3.121	63	143847	36.675	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	26296	13.390	ug/L	93
27) 1,2-Dichloroethane	5.056	62	8944	2.842	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	93936	25.547	ug/L	98
31) Carbon tetrachloride	4.523	117	11168	3.428	ug/L	93
34) Trichloroethene	5.841	95	17987	8.816	ug/L	98
39) cis-1,3-Dichloropropene	6.915	75	2755	0.828	ug/L #	54
46) Tetrachloroethene	7.911	164	23653	14.771	ug/L	97

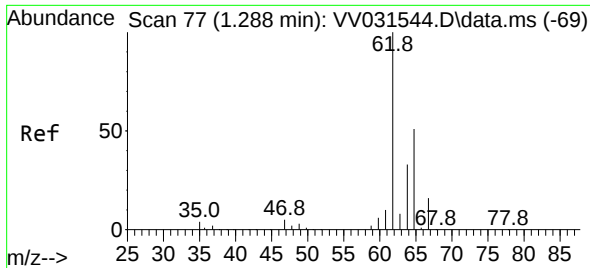
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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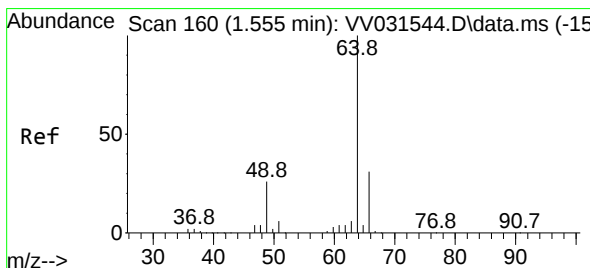
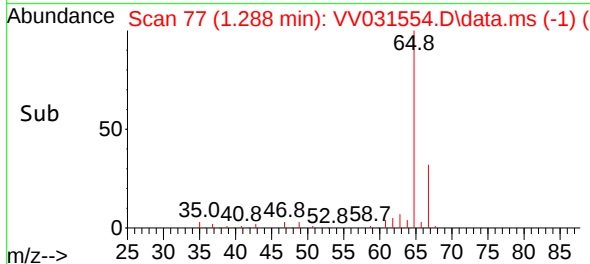
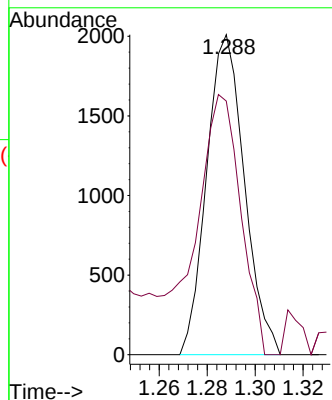
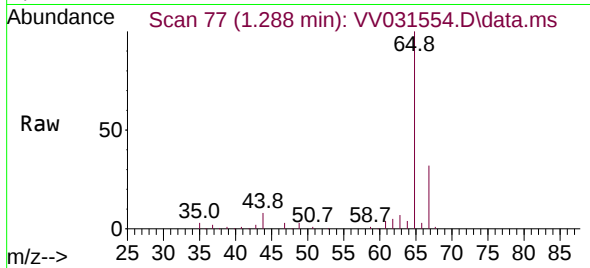




#5
 Vinyl chloride
 Concen: 0.942 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031554.D
 Acq: 16 Jun 2023 01:24

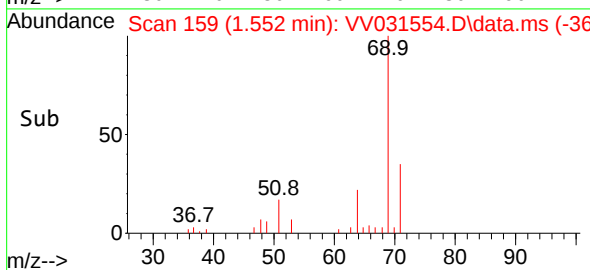
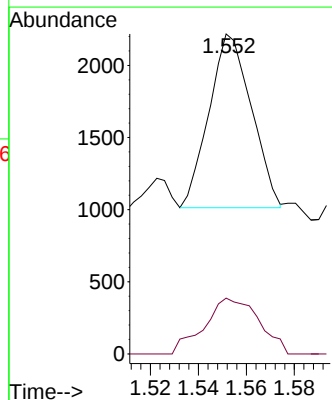
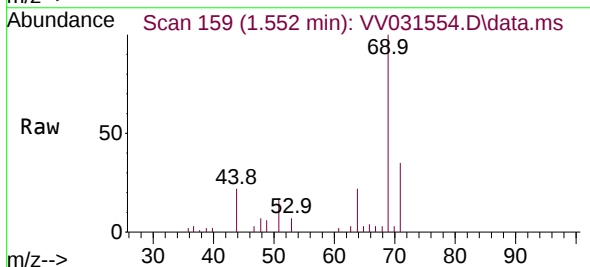
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYX5

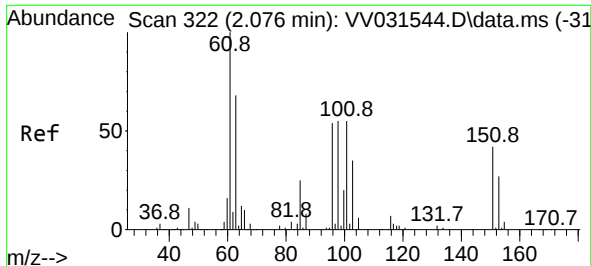
Tgt Ion: 62 Resp: 2198
 Ion Ratio Lower Upper
 62 100
 64 79.3 23.4 43.4#



#8
 Chloroethane
 Concen: 0.982 ug/L
 RT: 1.552 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VV031554.D
 Acq: 16 Jun 2023 01:24

Tgt Ion: 64 Resp: 1480
 Ion Ratio Lower Upper
 64 100
 66 17.4 21.0 39.0#





#12

1,1-Dichloroethene

Concen: 8.028 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031554.D

Acq: 16 Jun 2023 01:24

Instrument :

MSVOA_V

ClientSampleId :

EXYX5

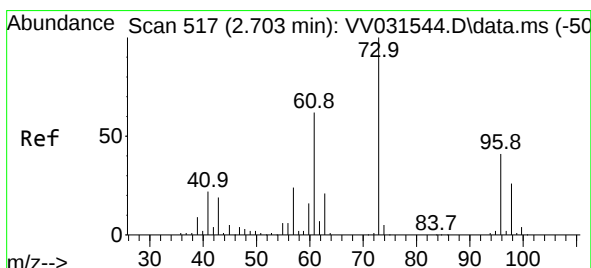
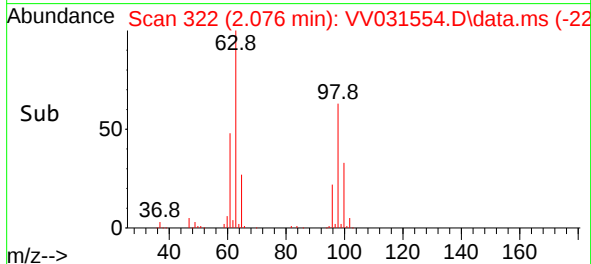
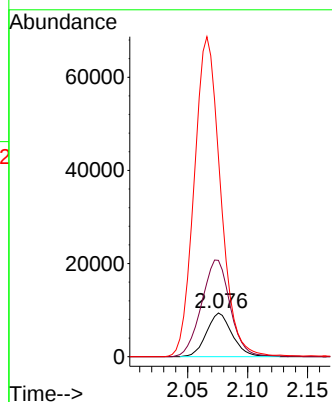
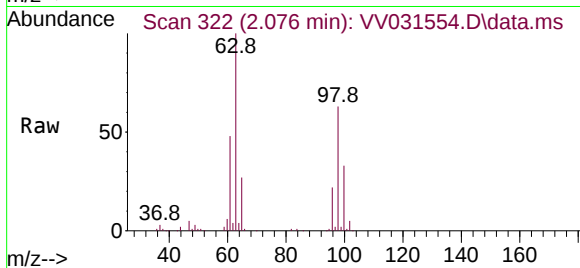
Tgt Ion: 96 Resp: 13977

Ion Ratio Lower Upper

96 100

61 220.8 128.9 239.5

63 458.0 95.3 177.1#



#17

trans-1,2-Dichloroethene

Concen: 0.981 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV031554.D

Acq: 16 Jun 2023 01:24

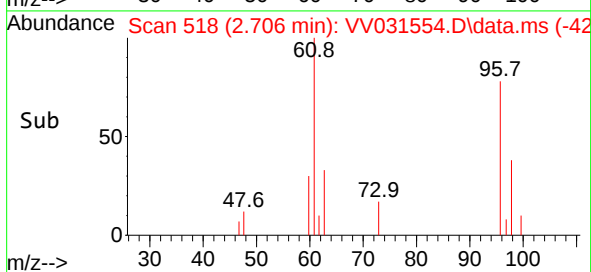
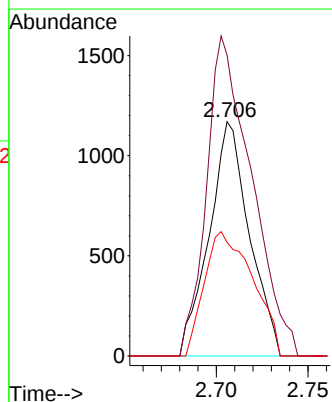
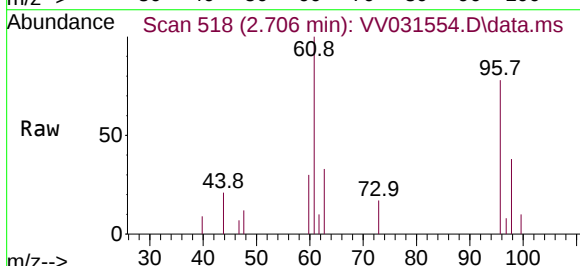
Tgt Ion: 96 Resp: 1783

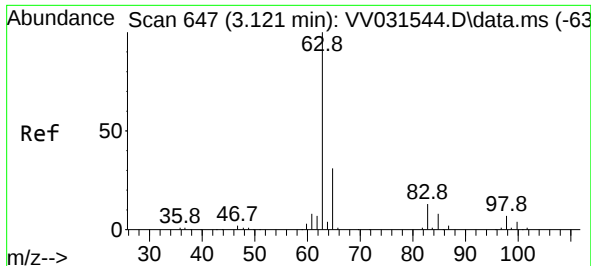
Ion Ratio Lower Upper

96 100

61 141.5 102.5 190.3

98 48.5 44.1 81.9





#19

1,1-Dichloroethane

Concen: 36.675 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.000 min

Lab File: VV031554.D

Acq: 16 Jun 2023 01:24

Instrument :

MSVOA_V

ClientSampleId :

EXYX5

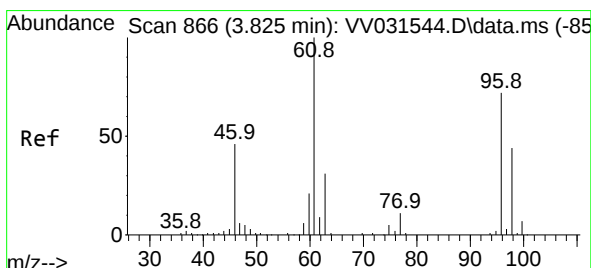
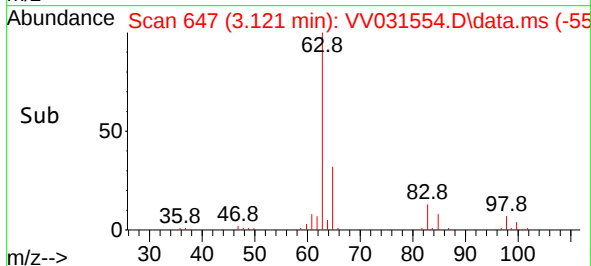
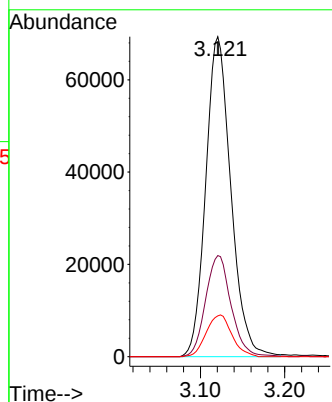
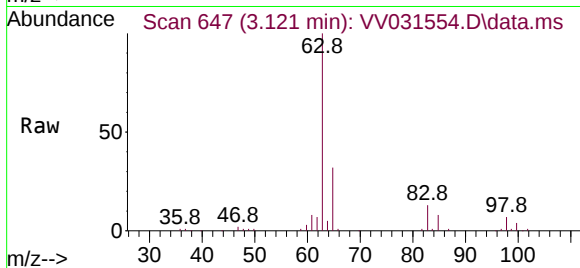
Tgt Ion: 63 Resp: 143847

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.7

83 13.4 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 13.390 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.000 min

Lab File: VV031554.D

Acq: 16 Jun 2023 01:24

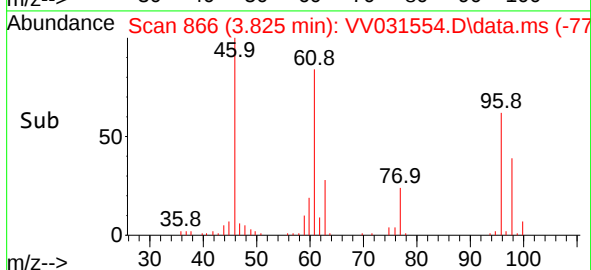
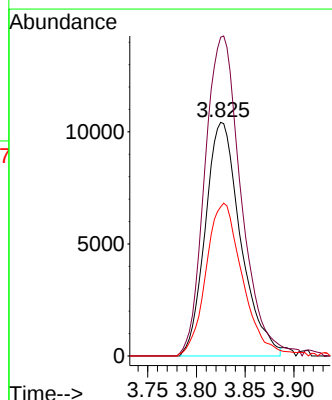
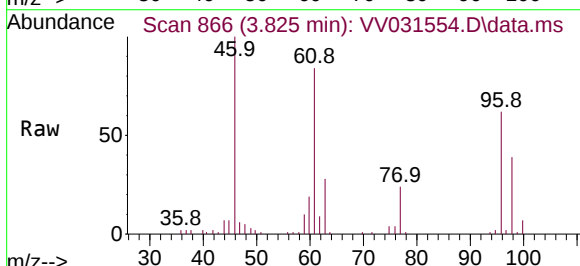
Tgt Ion: 96 Resp: 26296

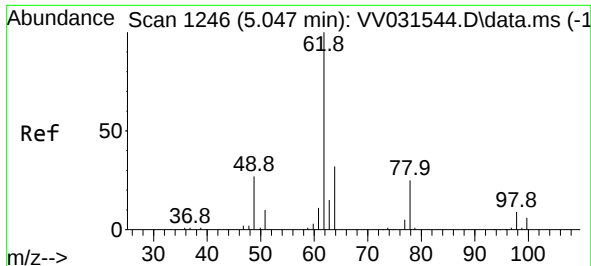
Ion Ratio Lower Upper

96 100

61 131.2 98.6 183.0

98 61.4 45.7 84.9





#27

1,2-Dichloroethane

Concen: 2.842 ug/L

RT: 5.056 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV031554.D

Acq: 16 Jun 2023 01:24

Instrument :

MSVOA_V

ClientSampleId :

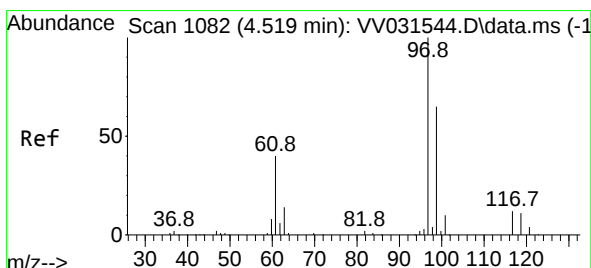
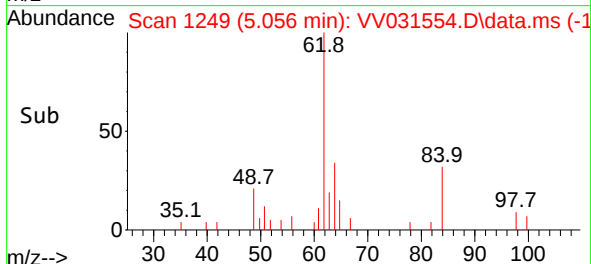
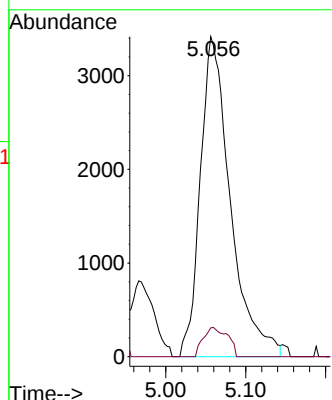
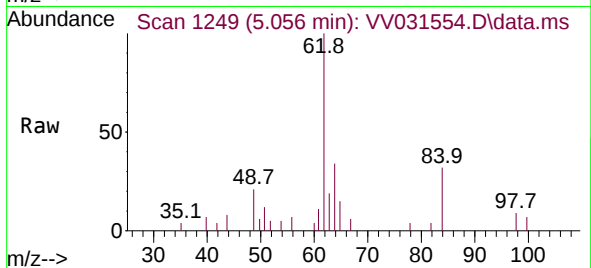
EXYX5

Tgt Ion: 62 Resp: 8944

Ion Ratio Lower Upper

62 100

98 9.0 6.6 9.8



#30

1,1,1-Trichloroethane

Concen: 25.547 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031554.D

Acq: 16 Jun 2023 01:24

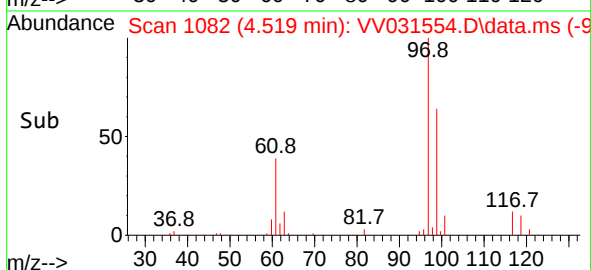
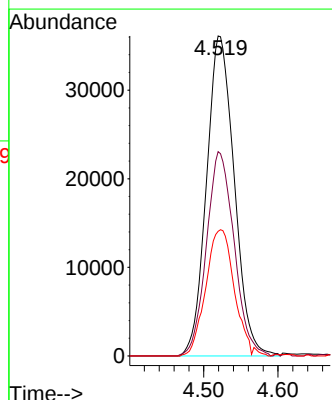
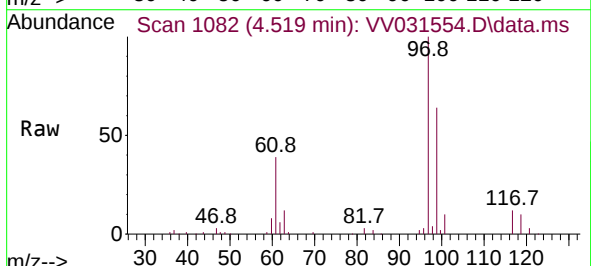
Tgt Ion: 97 Resp: 93936

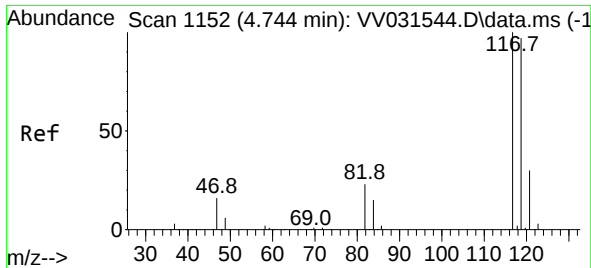
Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.6

61 40.1 33.0 49.6

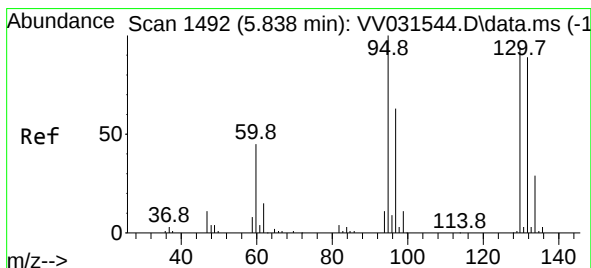
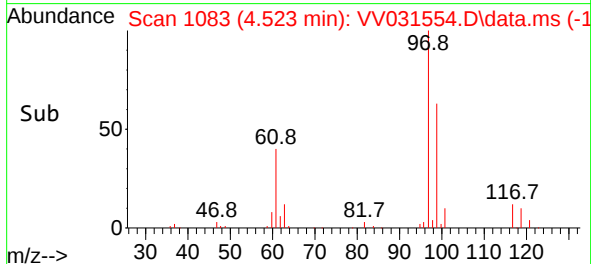
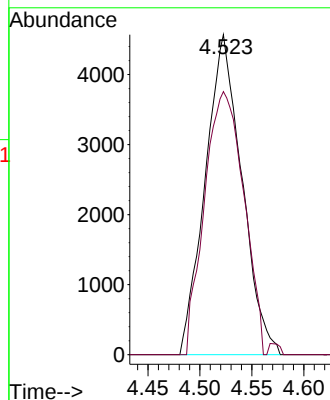
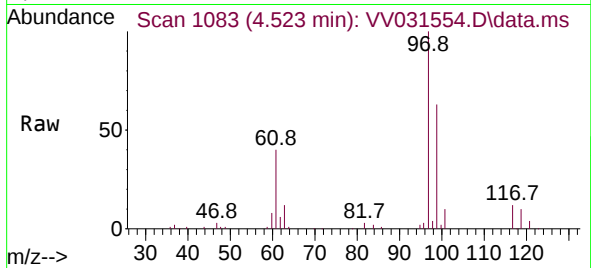




#31
Carbon tetrachloride
Concen: 3.428 ug/L
RT: 4.523 min Scan# 1152
Delta R.T. -0.222 min
Lab File: VV031554.D
Acq: 16 Jun 2023 01:24

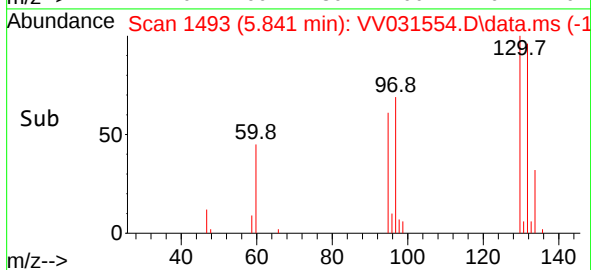
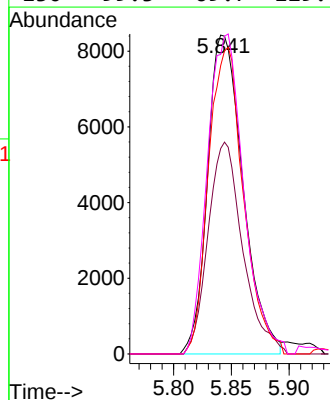
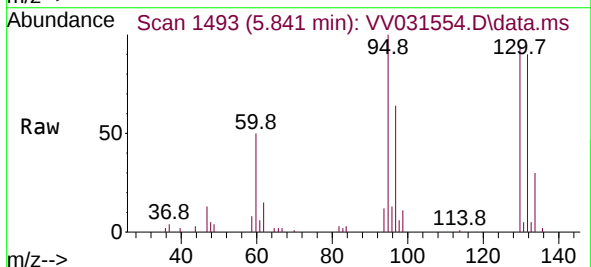
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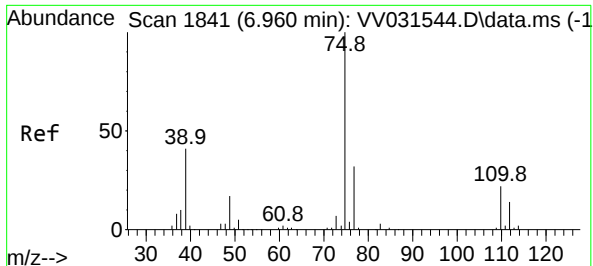
Tgt Ion:117 Resp: 11168
Ion Ratio Lower Upper
117 100
119 88.2 76.2 114.4



#34
Trichloroethene
Concen: 8.816 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031554.D
Acq: 16 Jun 2023 01:24

Tgt Ion: 95 Resp: 17987
Ion Ratio Lower Upper
95 100
97 70.9 46.8 86.8
132 95.7 66.4 123.2
130 99.3 69.7 129.4





#39

cis-1,3-Dichloropropene

Concen: 0.828 ug/L

RT: 6.915 min Scan# 11

Delta R.T. -0.045 min

Lab File: VV031554.D

Acq: 16 Jun 2023 01:24

Instrument :

MSVOA_V

ClientSampleId :

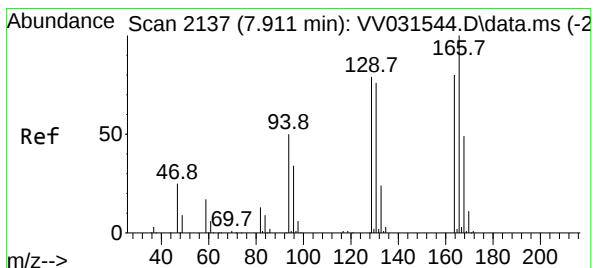
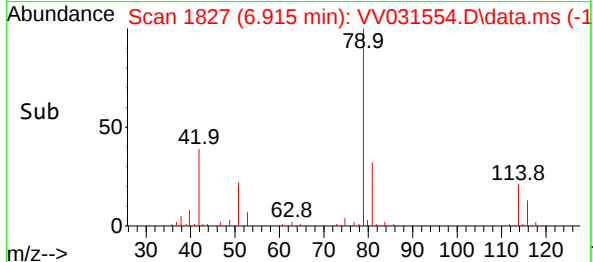
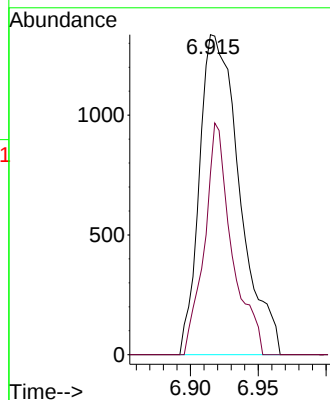
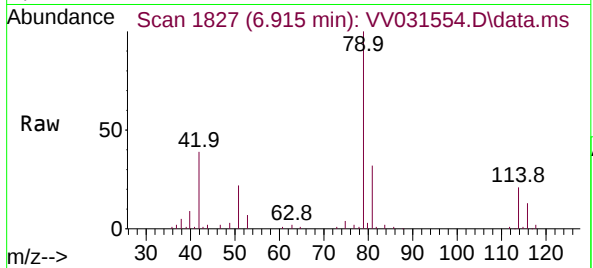
EXYX5

Tgt Ion: 75 Resp: 2755

Ion Ratio Lower Upper

75 100

77 56.6 21.8 40.6#



#46

Tetrachloroethene

Concen: 14.771 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031554.D

Acq: 16 Jun 2023 01:24

Tgt Ion:164 Resp: 23653

Ion Ratio Lower Upper

164 100

129 99.4 68.4 127.0

131 94.8 67.6 125.6

166 125.4 91.3 169.5

