

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031537.D
 Acq On : 15 Jun 2023 17:32
 Operator : SY/MD
 Sample : 03249-15
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYT5

Quant Time: Jun 16 02:50:38 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)

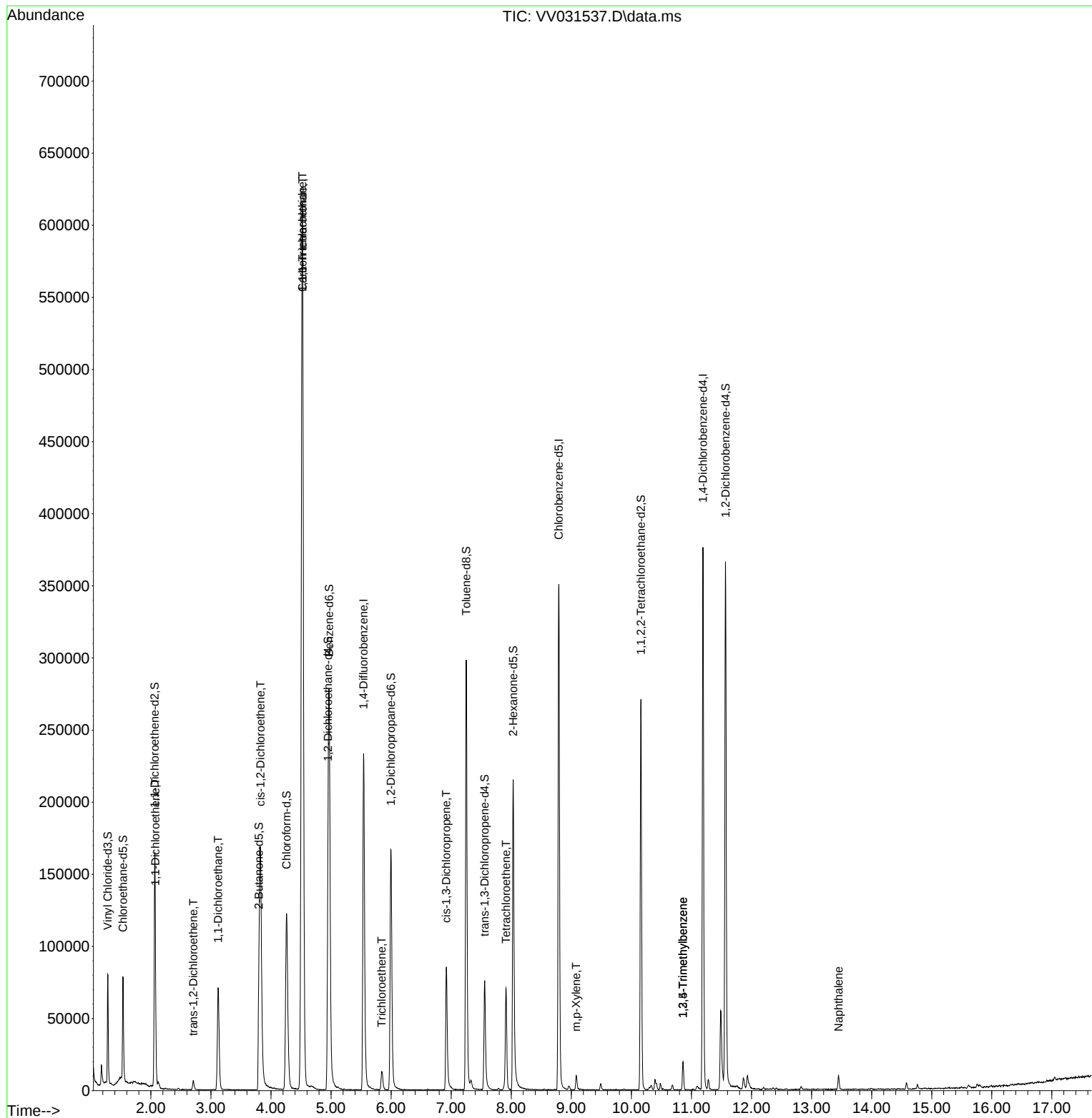
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	192425	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	185965	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	93110	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	49850	38.926	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.860%		
7) Chloroethane-d5	1.536	69	48113	43.057	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.120%		
11) 1,1-Dichloroethene-d2	2.066	65	25309	38.346	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.700%		
21) 2-Butanone-d5	3.799	46	113661	109.608	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.610%		
24) Chloroform-d	4.259	84	133994	41.778	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.560%		
26) 1,2-Dichloroethane-d4	4.950	65	92021	45.857	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.720%		
32) Benzene-d6	4.969	84	235517	44.993	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.980%		
36) 1,2-Dichloropropane-d6	5.995	67	84529	45.561	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.120%		
41) Toluene-d8	7.249	98	200493	41.739	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.480%		
43) trans-1,3-Dichloroprop...	7.558	79	39391	43.553	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.100%		
47) 2-Hexanone-d5	8.034	63	78610	107.314	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.310%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	130239	46.508	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.020%		
66) 1,2-Dichlorobenzene-d4	11.567	152	91028	51.288	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.580%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.076	96	9176	6.445	ug/L #	1
17) trans-1,2-Dichloroethene	2.706	96	2352	1.583	ug/L	77
19) 1,1-Dichloroethane	3.121	63	74072	23.092	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	75221	46.833	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	532606	178.633	ug/L	100
31) Carbon tetrachloride	4.523	117	63708	24.116	ug/L	99
34) Trichloroethene	5.844	95	4855	2.934	ug/L	98
39) cis-1,3-Dichloropropene	6.918	75	2056	0.762	ug/L #	40
46) Tetrachloroethene	7.911	164	15242	11.738	ug/L	98
53) m,p-Xylene	9.082	106	2966	1.131	ug/L	95
62) 1,3,5-Trimethylbenzene	10.857	105	10958	2.234	ug/L	95
63) 1,2,4-Trimethylbenzene	10.857	105	10958	2.397	ug/L	100
71) Naphthalene	13.451	128	7660	1.521	ug/L	97

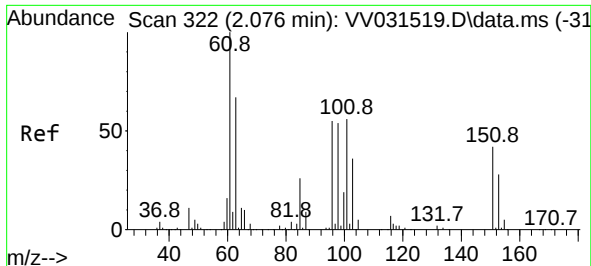
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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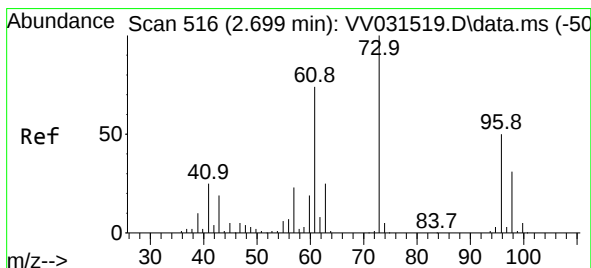
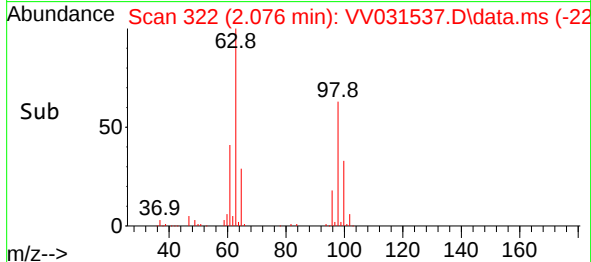
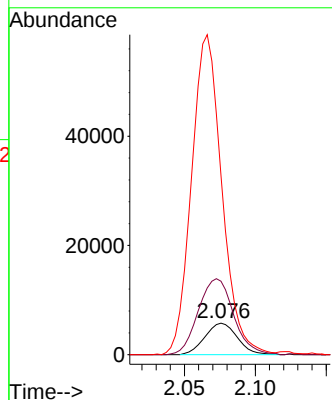
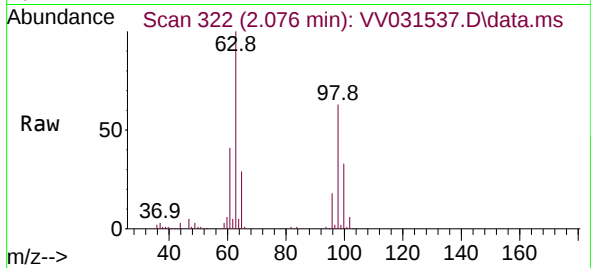




#12
1,1-Dichloroethene
Concen: 6.445 ug/L
RT: 2.076 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

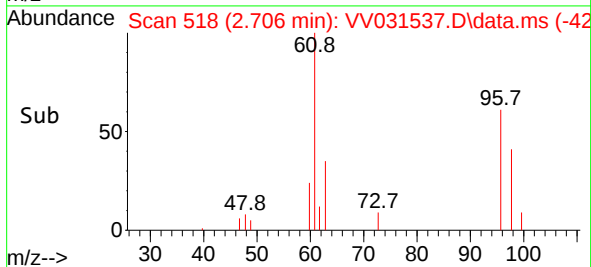
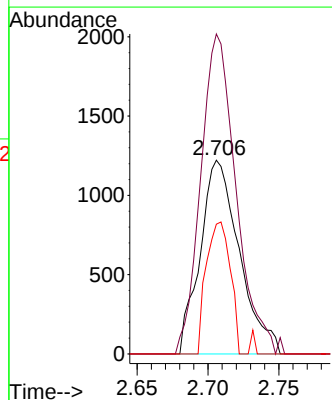
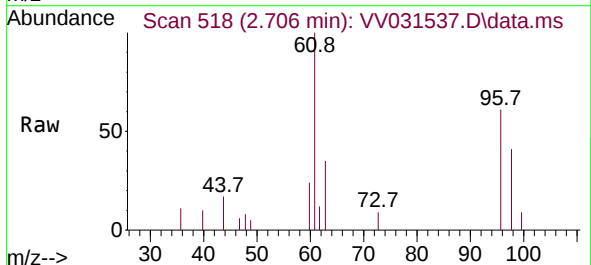
Instrument :
MSVOA_V
ClientSampleId :
EXYT5

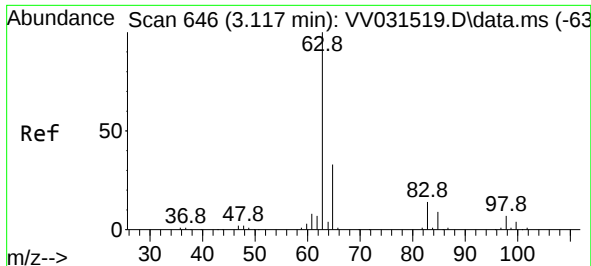
Tgt Ion: 96 Resp: 9176
Ion Ratio Lower Upper
96 100
61 213.9 128.9 239.5
63 522.0 95.3 177.1#



#17
trans-1,2-Dichloroethene
Concen: 1.583 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.007 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

Tgt Ion: 96 Resp: 2352
Ion Ratio Lower Upper
96 100
61 184.4 102.5 190.3
98 66.9 44.1 81.9





#19

1,1-Dichloroethane

Concen: 23.092 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031537.D

Acq: 15 Jun 2023 17:32

Instrument :

MSVOA_V

ClientSampleId :

EXYT5

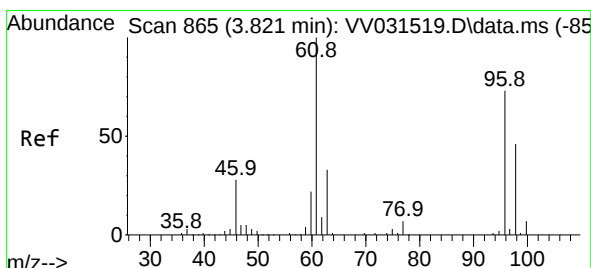
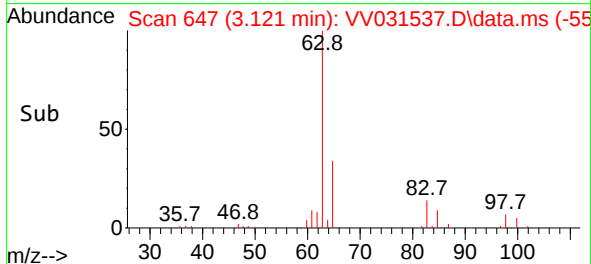
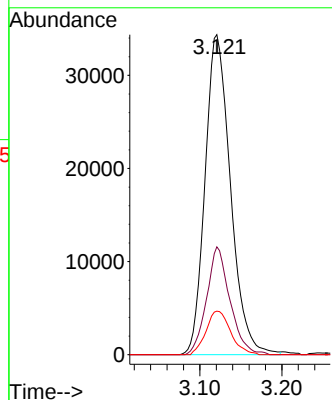
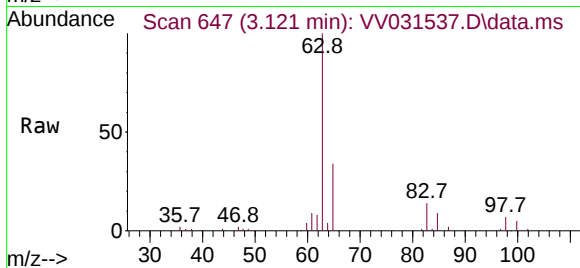
Tgt Ion: 63 Resp: 74072

Ion Ratio Lower Upper

63 100

65 33.7 22.5 41.7

83 14.5 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 46.833 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV031537.D

Acq: 15 Jun 2023 17:32

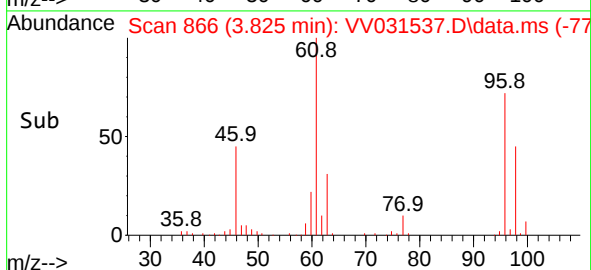
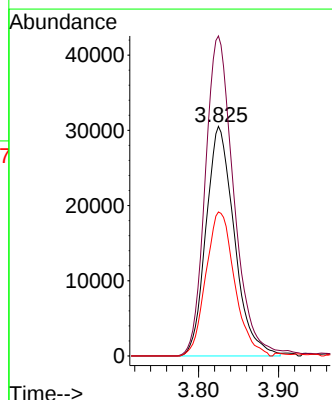
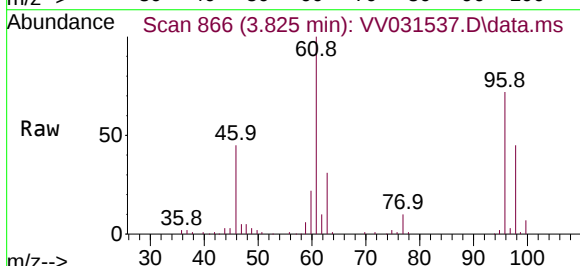
Tgt Ion: 96 Resp: 75221

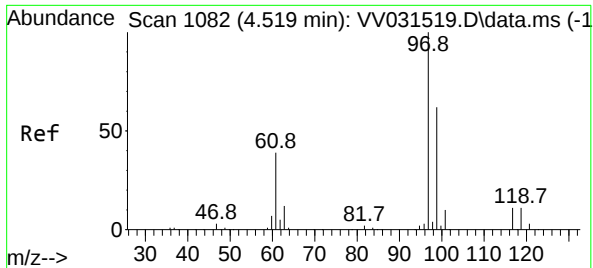
Ion Ratio Lower Upper

96 100

61 139.4 98.6 183.0

98 64.5 45.7 84.9





#30

1,1,1-Trichloroethane

Concen: 178.633 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031537.D

Acq: 15 Jun 2023 17:32

Instrument :

MSVOA_V

ClientSampleId :

EXYT5

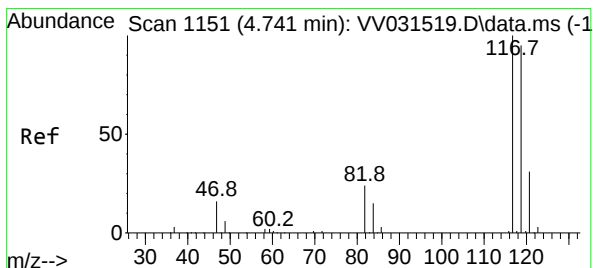
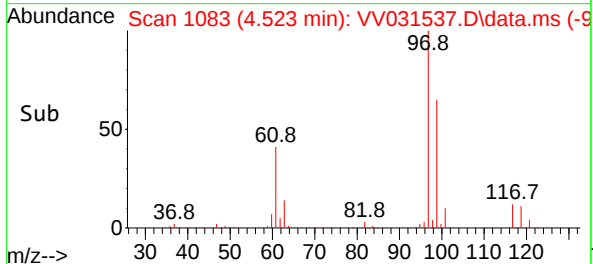
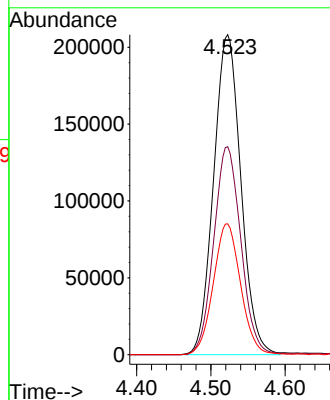
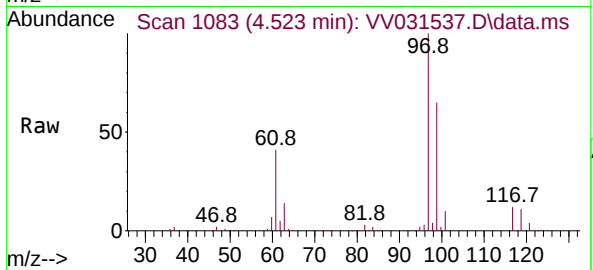
Tgt Ion: 97 Resp: 532606

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

61 40.9 33.0 49.6



#31

Carbon tetrachloride

Concen: 24.116 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. -0.219 min

Lab File: VV031537.D

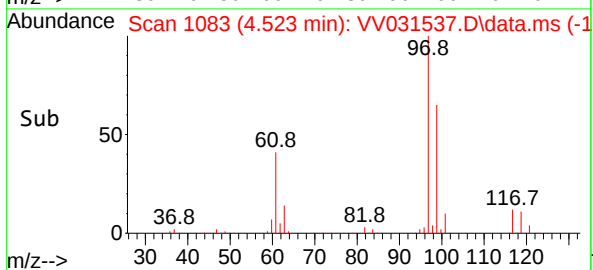
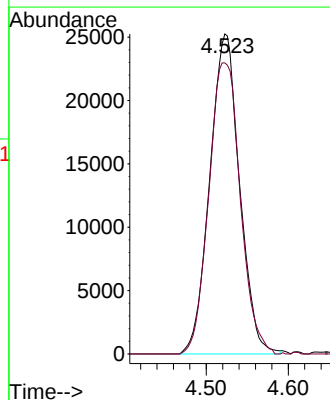
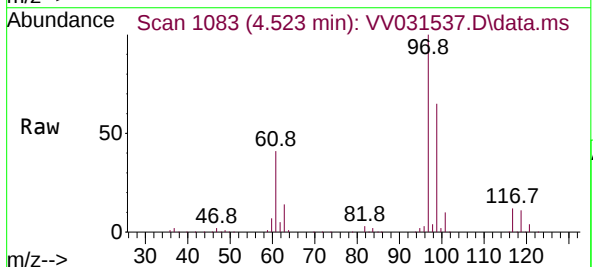
Acq: 15 Jun 2023 17:32

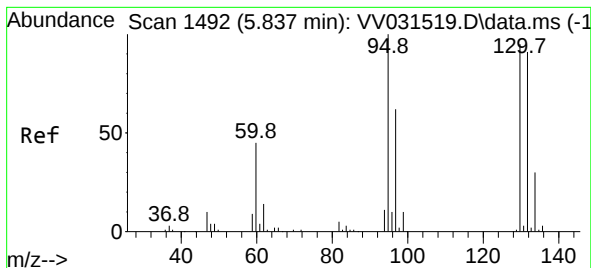
Tgt Ion: 117 Resp: 63708

Ion Ratio Lower Upper

117 100

119 96.3 76.2 114.4





#34

Trichloroethene

Concen: 2.934 ug/L

RT: 5.844 min Scan# 1492

Delta R.T. 0.007 min

Lab File: VV031537.D

Acq: 15 Jun 2023 17:32

Instrument :

MSVOA_V

ClientSampleId :

EXYT5

Tgt Ion: 95 Resp: 4855

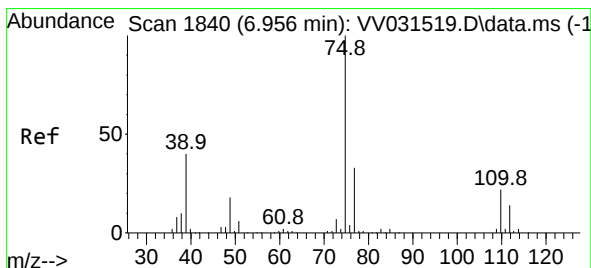
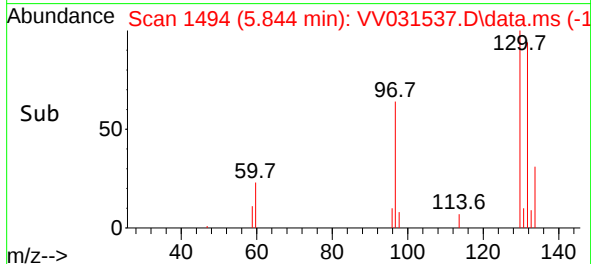
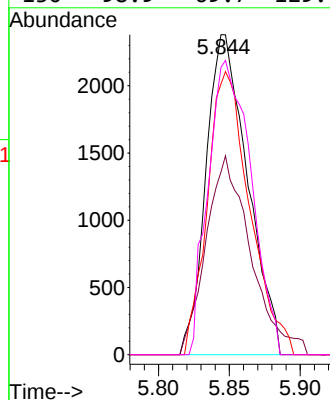
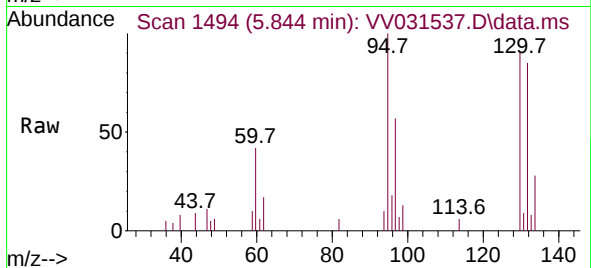
Ion Ratio Lower Upper

95 100

97 64.4 46.8 86.8

132 92.7 66.4 123.2

130 98.9 69.7 129.4



#39

cis-1,3-Dichloropropene

Concen: 0.762 ug/L

RT: 6.918 min Scan# 1828

Delta R.T. -0.038 min

Lab File: VV031537.D

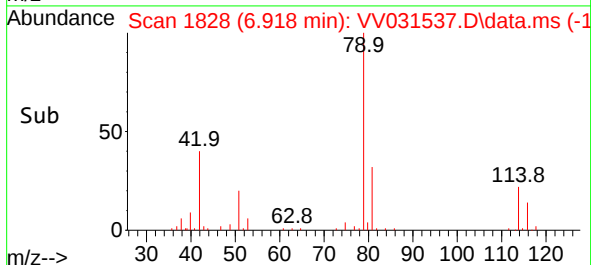
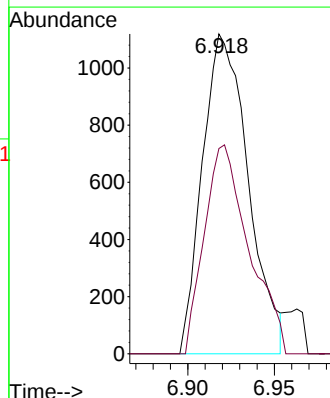
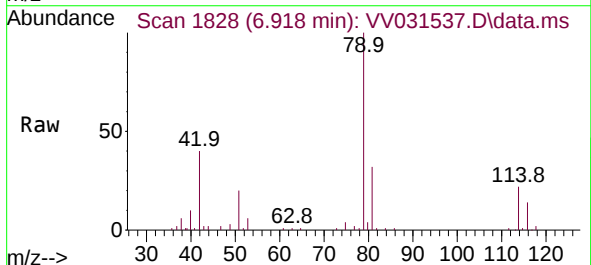
Acq: 15 Jun 2023 17:32

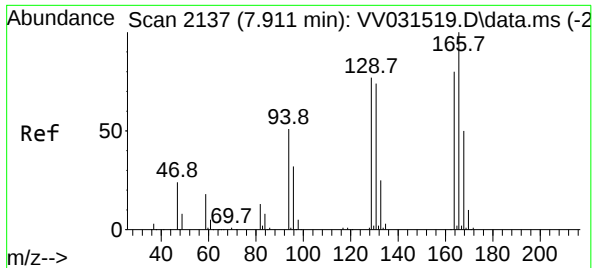
Tgt Ion: 75 Resp: 2056

Ion Ratio Lower Upper

75 100

77 64.2 21.8 40.6#

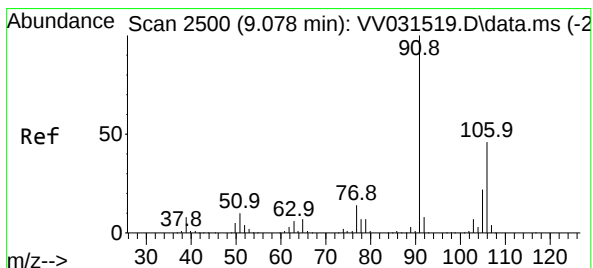
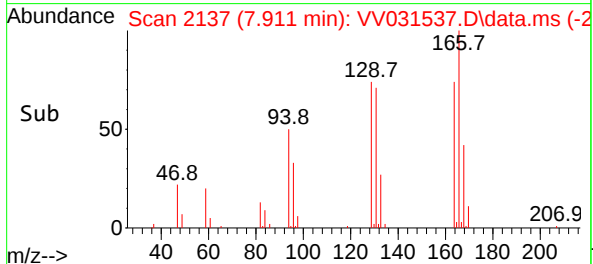
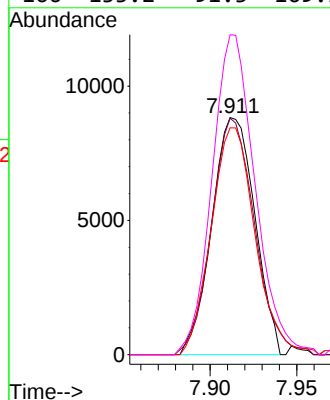
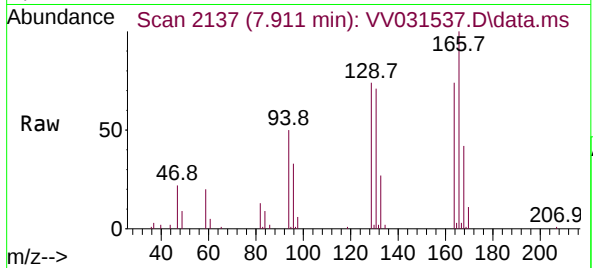




#46
Tetrachloroethene
Concen: 11.738 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

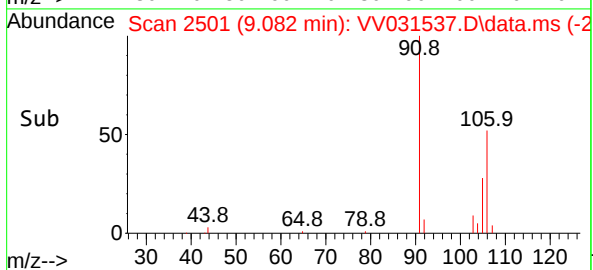
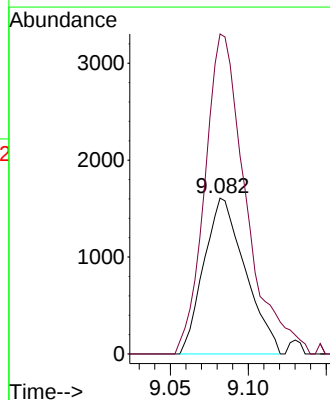
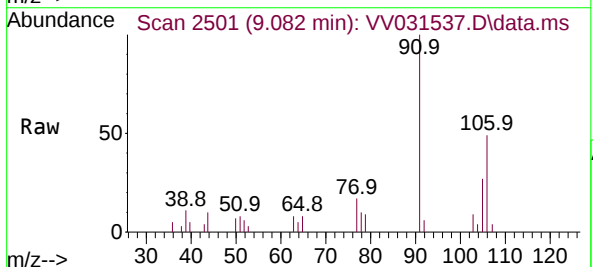
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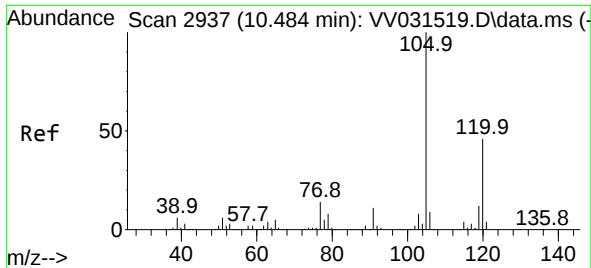
Tgt Ion:164	Resp:	15242
Ion	Ratio	Lower Upper
164	100	
129	95.9	68.4 127.0
131	94.4	67.6 125.6
166	133.2	91.3 169.5



#53
m,p-Xylene
Concen: 1.131 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

Tgt Ion:106	Resp:	2966
Ion	Ratio	Lower Upper
106	100	
91	205.3	149.0 276.6

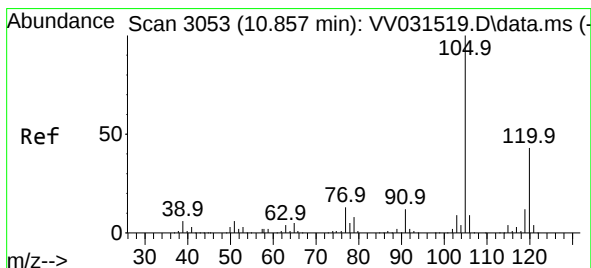
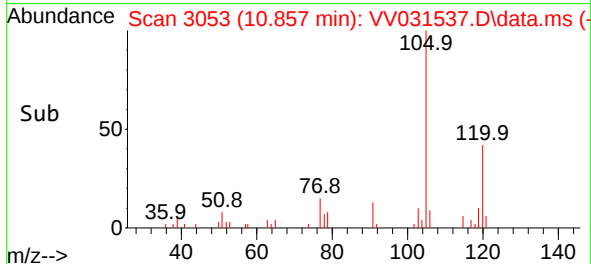
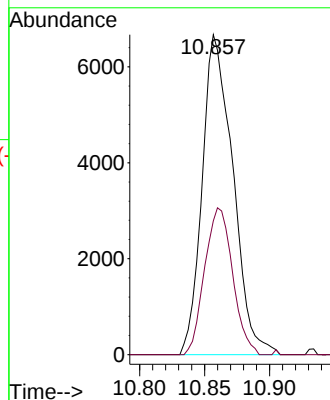
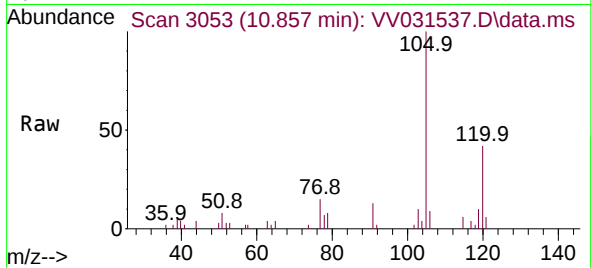




#62
1,3,5-Trimethylbenzene
Concen: 2.234 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. 0.373 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

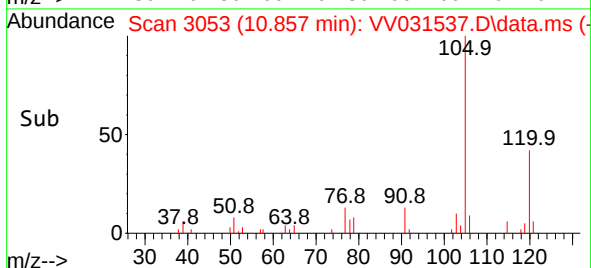
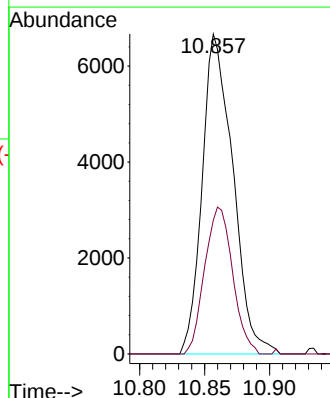
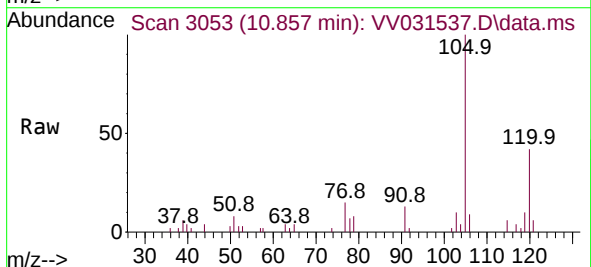
Instrument :
MSVOA_V
ClientSampleId :
EXYT5

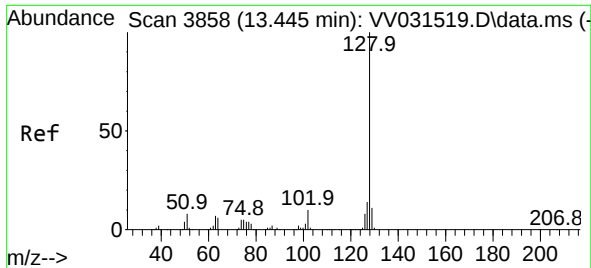
Tgt Ion:105 Resp: 10958
Ion Ratio Lower Upper
105 100
120 41.9 36.2 54.2



#63
1,2,4-Trimethylbenzene
Concen: 2.397 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

Tgt Ion:105 Resp: 10958
Ion Ratio Lower Upper
105 100
120 41.9 33.4 50.2





#71
 Naphthalene
 Concen: 1.521 ug/L
 RT: 13.451 min Scan# 3860
 Delta R.T. 0.007 min
 Lab File: VV031537.D
 Acq: 15 Jun 2023 17:32

Instrument : MSVOA_V
 ClientSampleId : EXYT5

Tgt Ion:	128	Resp:	7660
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	16.0
129	8.8	8.6	13.0

