

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031531.D
 Acq On : 15 Jun 2023 15:13
 Operator : SY/MD
 Sample : 03249-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS9

Quant Time: Jun 16 02:48:44 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)

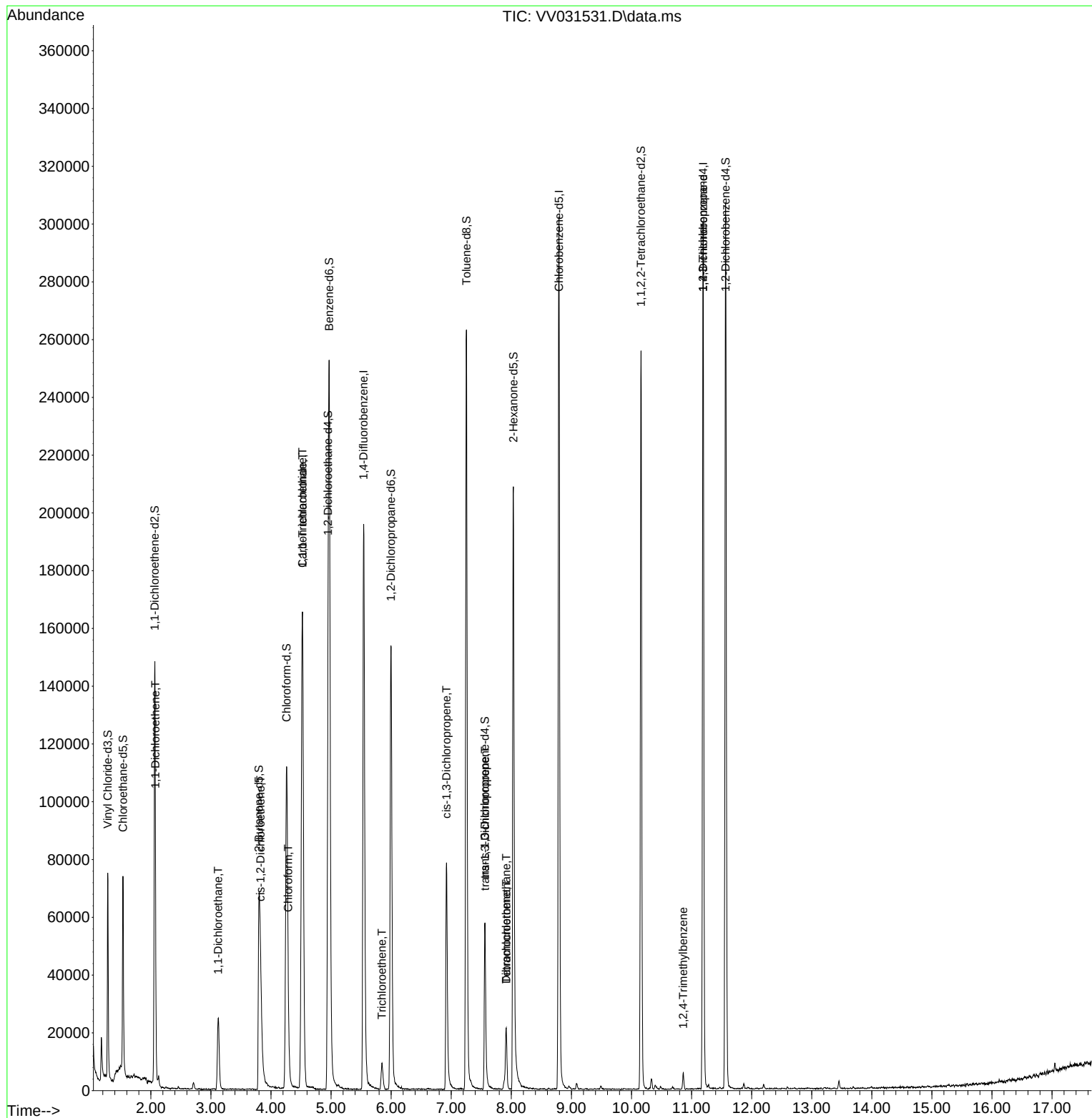
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	160133	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	161124	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	74888	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	45356	42.558	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.120%
7) Chloroethane-d5	1.535	69	44056	47.377	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.760%
11) 1,1-Dichloroethene-d2	2.063	65	23529	42.837	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.680%
21) 2-Butanone-d5	3.799	46	109927	127.384	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.380%
24) Chloroform-d	4.259	84	124495	46.644	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.280%
26) 1,2-Dichloroethane-d4	4.950	65	83374	49.926	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.860%
32) Benzene-d6	4.969	84	215134	47.436	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.880%
36) 1,2-Dichloropropane-d6	5.995	67	77993	48.520	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.040%
41) Toluene-d8	7.252	98	176238	42.346	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.700%
43) trans-1,3-Dichloroprop...	7.561	79	35019	44.689	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.380%
47) 2-Hexanone-d5	8.034	63	73620	115.997	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.000%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	122455	50.470	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.940%
66) 1,2-Dichlorobenzene-d4	11.567	152	75418	52.832	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.660%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.076	96	5881	4.963	ug/L #	1
19) 1,1-Dichloroethane	3.121	63	26415	9.896	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	10319	7.720	ug/L	94
25) Chloroform	4.285	83	5359	1.931	ug/L	97
30) 1,1,1-Trichloroethane	4.522	97	143320	55.480	ug/L	99
31) Carbon tetrachloride	4.522	117	17603	7.691	ug/L	98
34) Trichloroethene	5.844	95	3644	2.542	ug/L	83
39) cis-1,3-Dichloropropene	6.921	75	2364	1.011	ug/L #	70
44) trans-1,3-Dichloropropene	7.564	75	1790	0.786	ug/L	97
46) Tetrachloroethene	7.915	164	4871	4.330	ug/L	97
49) Dibromochloromethane	7.915	129	4833	2.922	ug/L #	9
61) 1,2,3-Trichloropropane	11.191	75	9374	6.337	ug/L #	63
63) 1,2,4-Trimethylbenzene	10.860	105	3208	0.873	ug/L	94

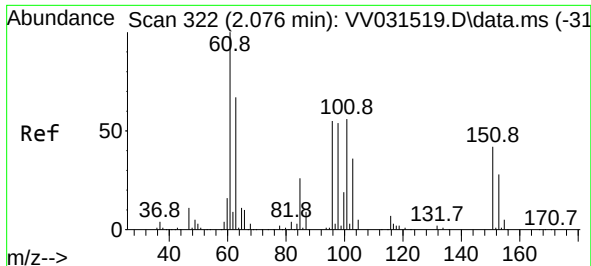
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.963 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

EXYS9

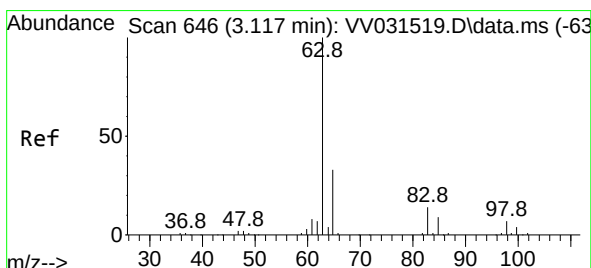
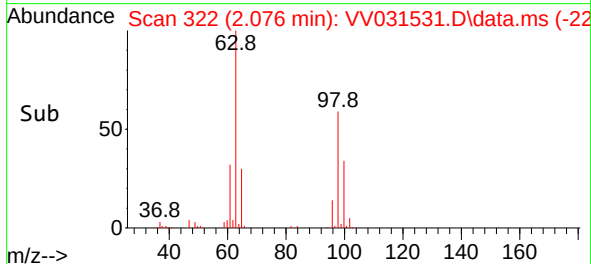
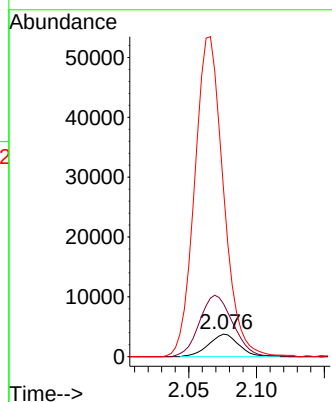
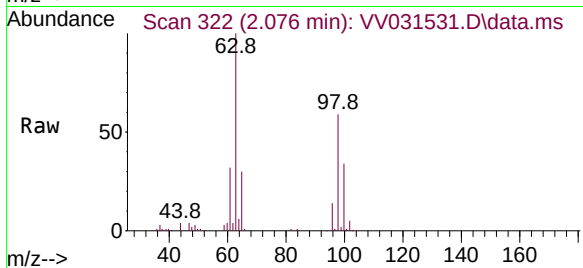
Tgt Ion: 96 Resp: 5881

Ion Ratio Lower Upper

96 100

61 213.5 128.9 239.5

63 675.3 95.3 177.1#



#19

1,1-Dichloroethane

Concen: 9.896 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.003 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

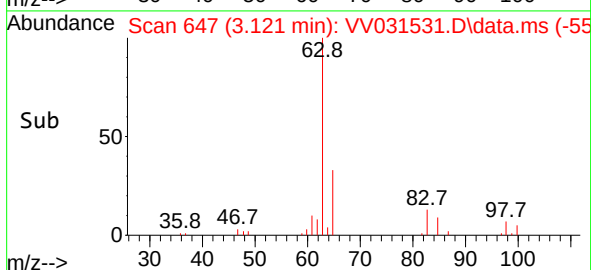
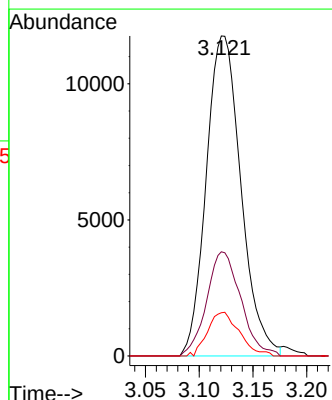
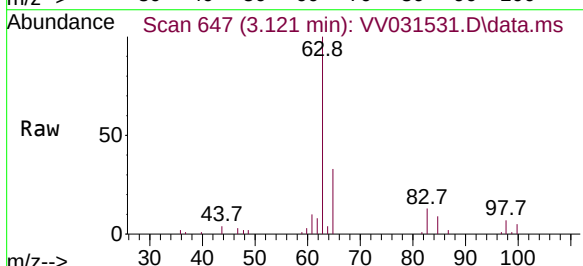
Tgt Ion: 63 Resp: 26415

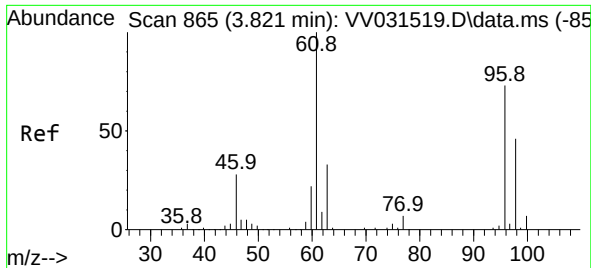
Ion Ratio Lower Upper

63 100

65 32.6 22.5 41.7

83 13.5 10.0 18.6

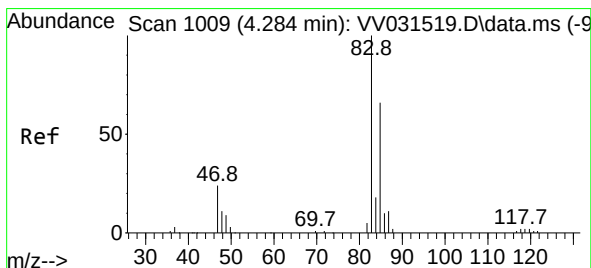
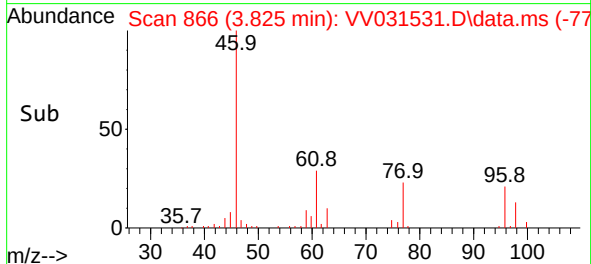
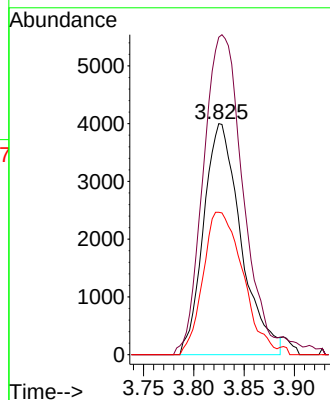
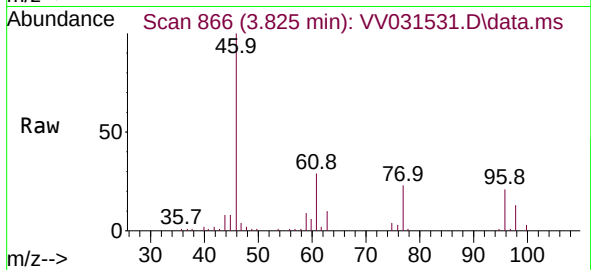




#20
cis-1,2-Dichloroethene
Concen: 7.720 ug/L
RT: 3.825 min Scan# 865
Delta R.T. 0.003 min
Lab File: VV031531.D
Acq: 15 Jun 2023 15:13

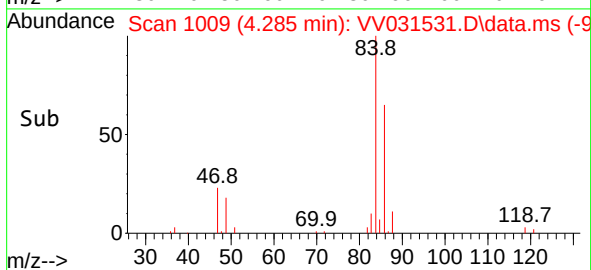
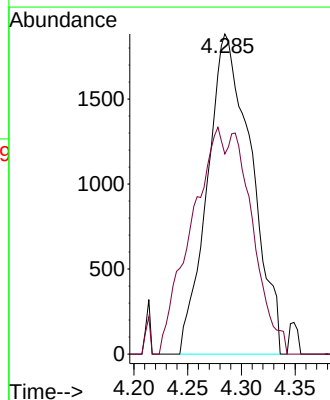
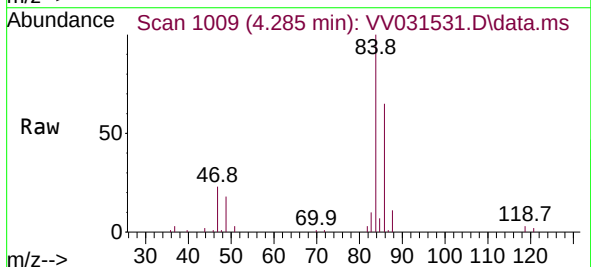
Instrument :
MSVOA_V
ClientSampleId :
EXYS9

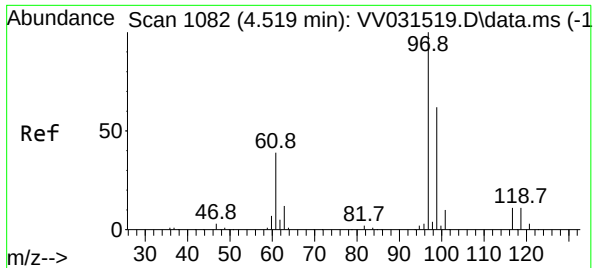
Tgt Ion: 96 Resp: 10319
Ion Ratio Lower Upper
96 100
61 149.2 98.6 183.0
98 61.7 45.7 84.9



#25
Chloroform
Concen: 1.931 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV031531.D
Acq: 15 Jun 2023 15:13

Tgt Ion: 83 Resp: 5359
Ion Ratio Lower Upper
83 100
85 62.5 45.3 84.1





#30

1,1,1-Trichloroethane

Concen: 55.480 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

EXYS9

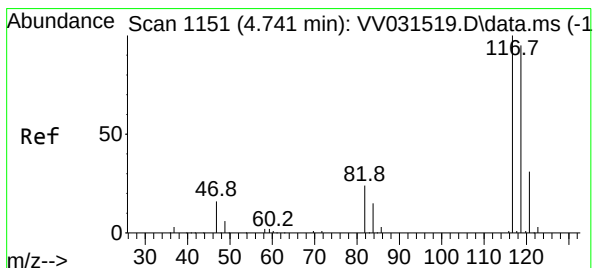
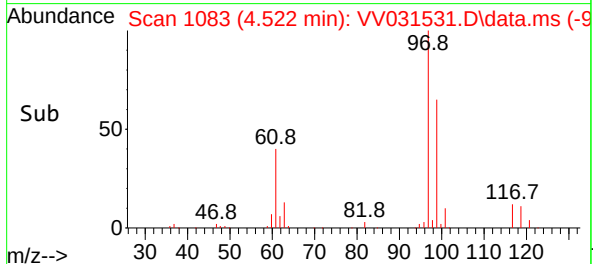
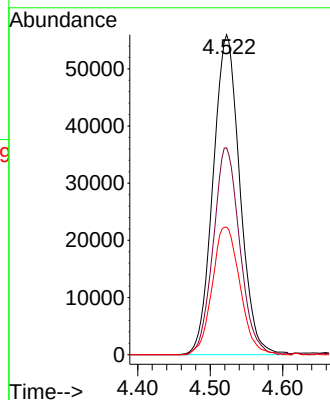
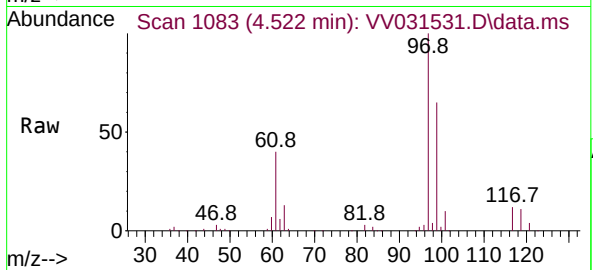
Tgt Ion: 97 Resp: 143320

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 41.4 33.0 49.6



#31

Carbon tetrachloride

Concen: 7.691 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. -0.219 min

Lab File: VV031531.D

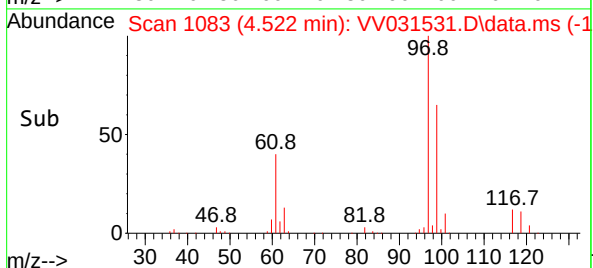
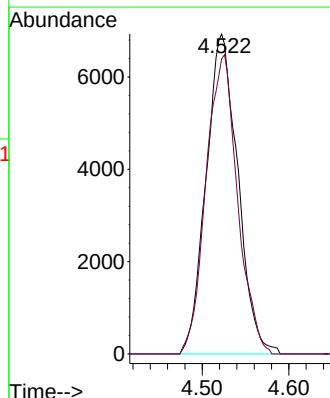
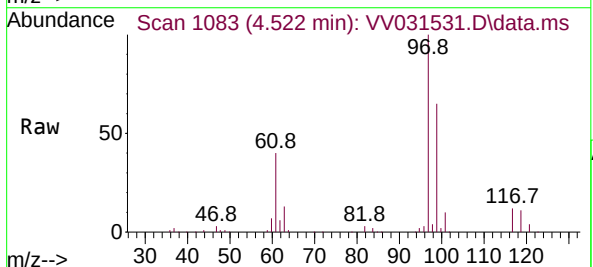
Acq: 15 Jun 2023 15:13

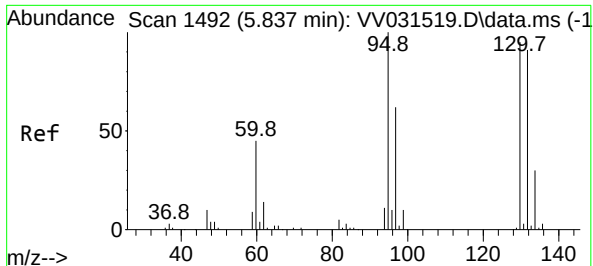
Tgt Ion: 117 Resp: 17603

Ion Ratio Lower Upper

117 100

119 93.0 76.2 114.4





#34

Trichloroethene

Concen: 2.542 ug/L

RT: 5.844 min Scan# 1492

Delta R.T. 0.006 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

EXYS9

Tgt Ion: 95 Resp: 3644

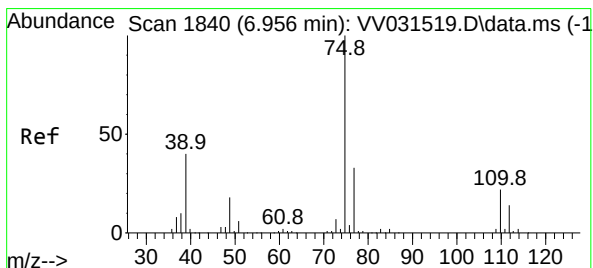
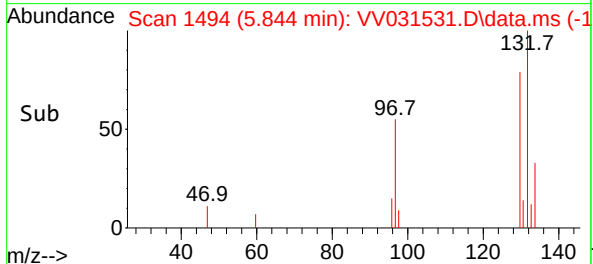
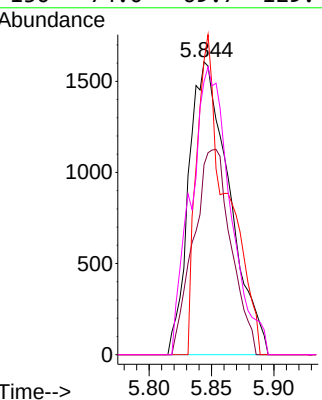
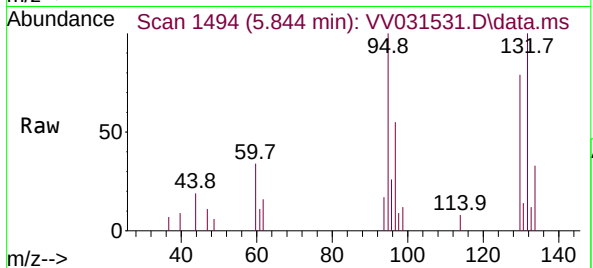
Ion Ratio Lower Upper

95 100

97 51.5 46.8 86.8

132 89.3 66.4 123.2

130 74.0 69.7 129.4



#39

cis-1,3-Dichloropropene

Concen: 1.011 ug/L

RT: 6.921 min Scan# 1829

Delta R.T. -0.035 min

Lab File: VV031531.D

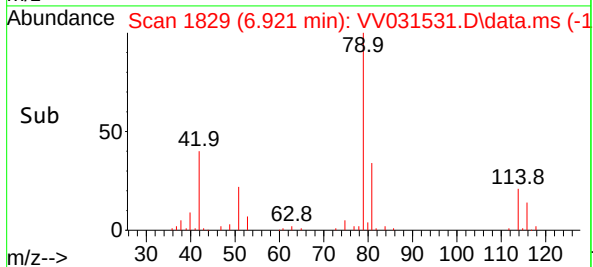
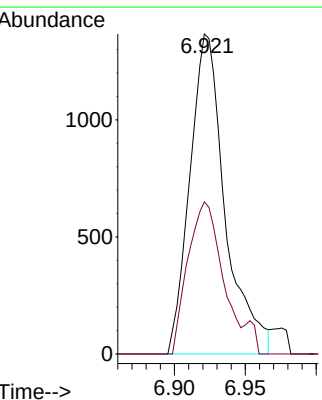
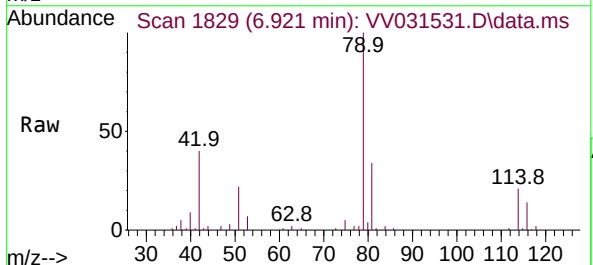
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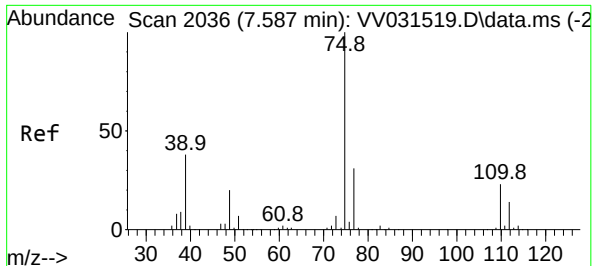
Tgt Ion: 75 Resp: 2364

Ion Ratio Lower Upper

75 100

77 47.5 21.8 40.6#

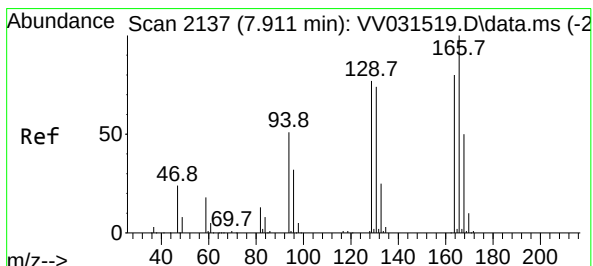
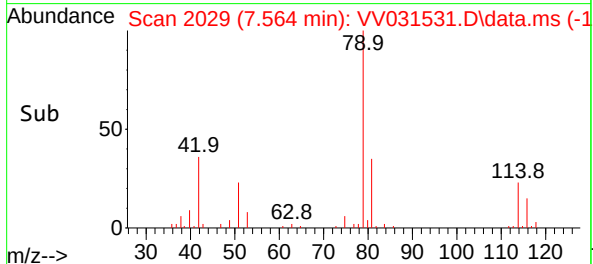
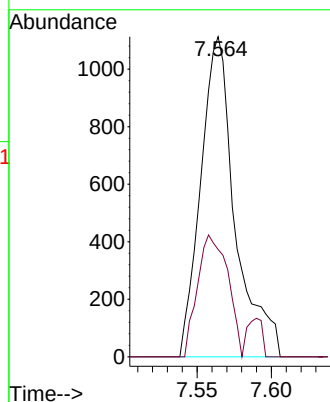
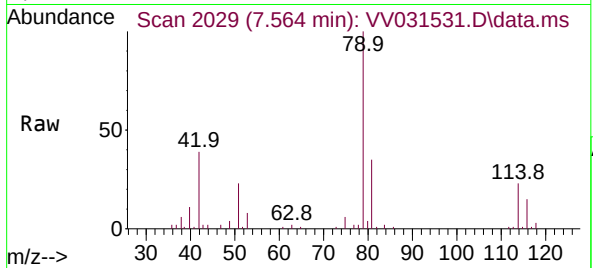




#44
trans-1,3-Dichloropropene
Concen: 0.786 ug/L
RT: 7.564 min Scan# 2036
Delta R.T. -0.022 min
Lab File: VV031531.D
Acq: 15 Jun 2023 15:13

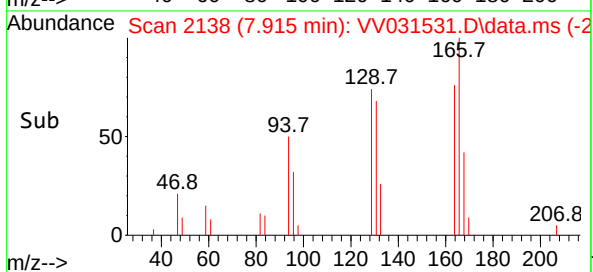
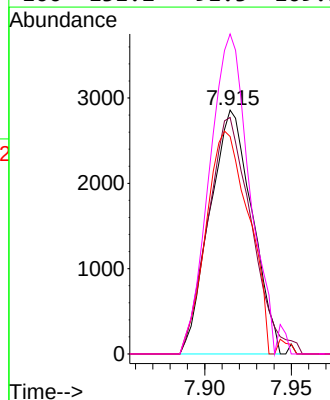
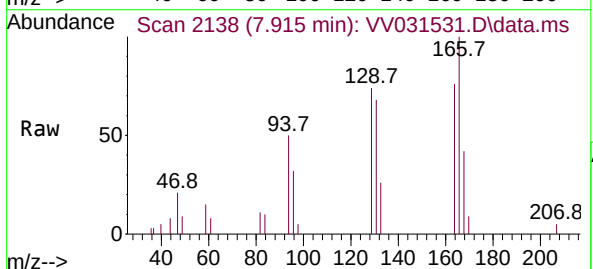
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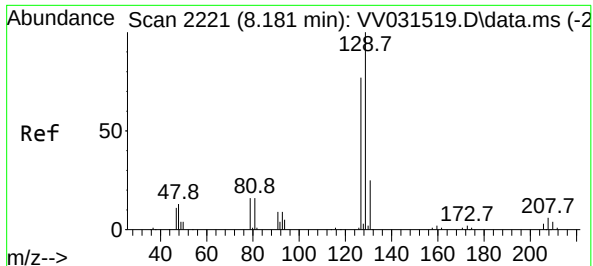
Tgt Ion: 75 Resp: 1790
Ion Ratio Lower Upper
75 100
77 33.5 22.1 41.1



#46
Tetrachloroethene
Concen: 4.330 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV031531.D
Acq: 15 Jun 2023 15:13

Tgt Ion:164 Resp: 4871
Ion Ratio Lower Upper
164 100
129 97.0 68.4 127.0
131 89.2 67.6 125.6
166 131.2 91.3 169.5





#49

Dibromochloromethane

Concen: 2.922 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.267 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

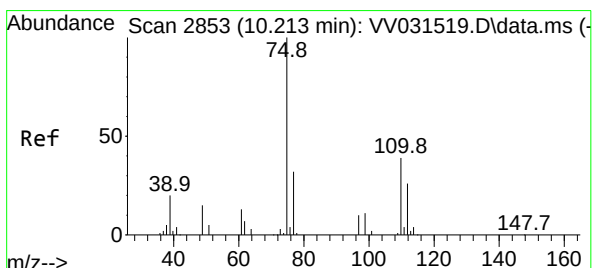
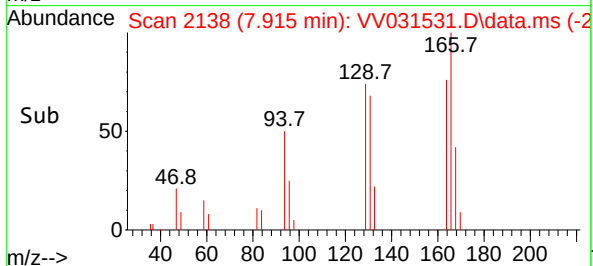
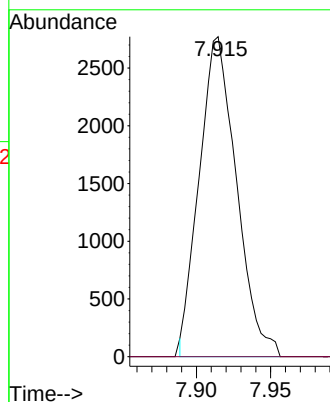
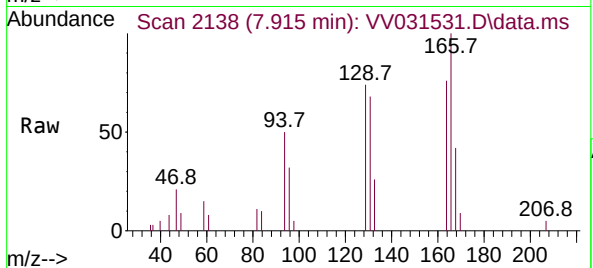
EXYS9

Tgt Ion:129 Resp: 4833

Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#



#61

1,2,3-Trichloropropane

Concen: 6.337 ug/L

RT: 11.191 min Scan# 3157

Delta R.T. 0.978 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

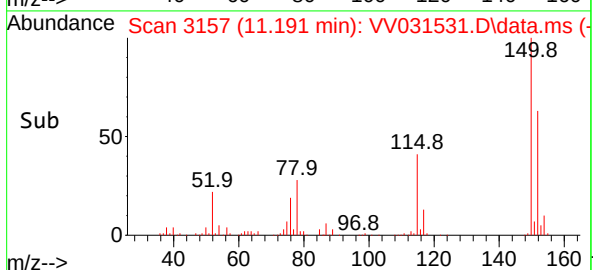
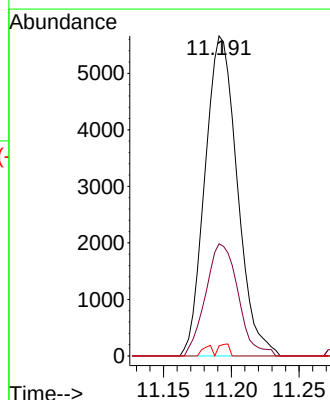
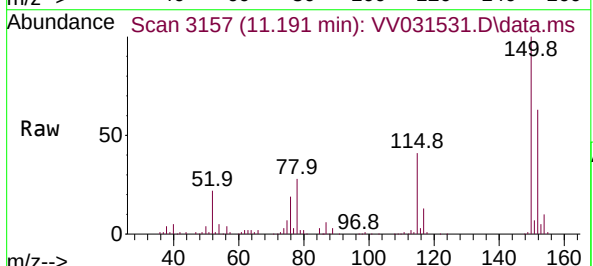
Tgt Ion: 75 Resp: 9374

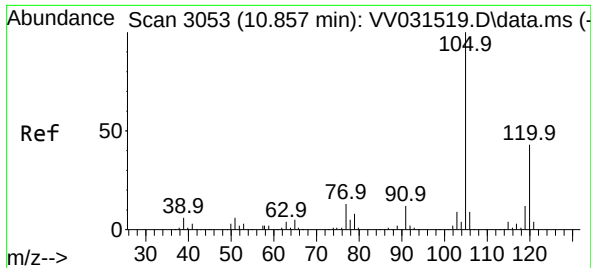
Ion Ratio Lower Upper

75 100

77 35.1 25.4 38.0

110 0.9 31.3 46.9#





#63
 1,2,4-Trimethylbenzene
 Concen: 0.873 ug/L
 RT: 10.860 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VV031531.D
 Acq: 15 Jun 2023 15:13

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS9

Tgt Ion:105 Resp: 3208
 Ion Ratio Lower Upper
 105 100
 120 45.6 33.4 50.2

