

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061923\
 Data File : VW031594.D
 Acq On : 19 Jun 2023 11:27
 Operator : SY/MD
 Sample : 03249-19
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYT9

Quant Time: Jun 20 01:55:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 17 02:08:04 2023
 Response via : Initial Calibration

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

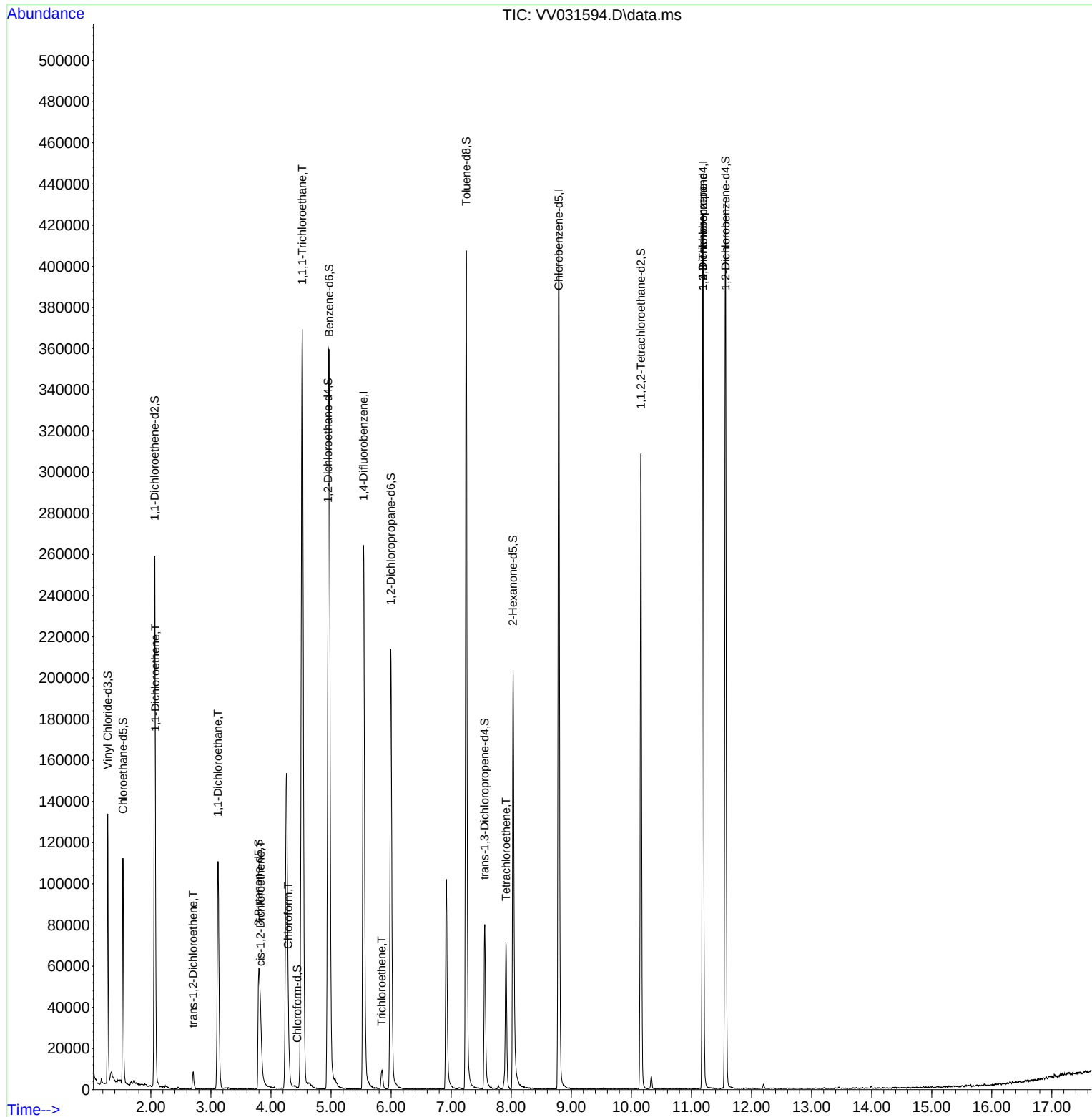
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	223446	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	224490	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	109011	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	85602	57.563	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	115.120%
7) Chloroethane-d5	1.535	69	73752	56.839	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.680%
11) 1,1-Dichloroethene-d2	2.063	65	41795	54.532	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.060%
21) 2-Butanone-d5	3.796	46	94010	78.072	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.070%
24) Chloroform-d	4.436	84	236	0.063	ug/L	0.18
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.120%#
26) 1,2-Dichloroethane-d4	4.950	65	112216	48.157	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.320%
32) Benzene-d6	4.969	84	316452	50.080	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.160%
36) 1,2-Dichloropropane-d6	5.995	67	107339	47.927	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.860%
41) Toluene-d8	7.249	98	274129	47.275	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.560%
43) trans-1,3-Dichloroprop...	7.558	79	48714	44.618	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.240%
47) 2-Hexanone-d5	8.030	63	72980	82.531	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.530%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	145217	42.957	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.920%
66) 1,2-Dichlorobenzene-d4	11.567	152	108842	52.380	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.760%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.076	96	11880	7.185	ug/L #	1
17) trans-1,2-Dichloroethene	2.703	96	3247	1.881	ug/L	86
19) 1,1-Dichloroethane	3.117	63	112047	30.082	ug/L	99
20) cis-1,2-Dichloroethene	3.828	96	9820	5.265	ug/L	87
25) Chloroform	4.288	83	12840	3.316	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	318899	88.602	ug/L	99
34) Trichloroethene	5.844	95	3354	1.679	ug/L	76
46) Tetrachloroethene	7.915	164	14905	9.509	ug/L	96
61) 1,2,3-Trichloropropane	11.191	75	12750	5.922	ug/L #	65

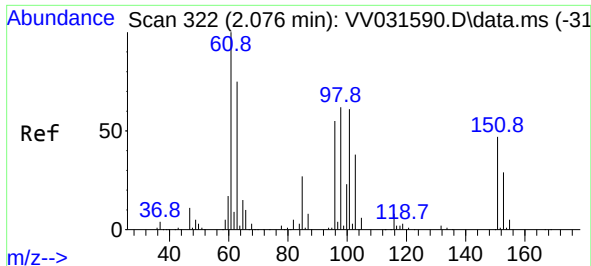
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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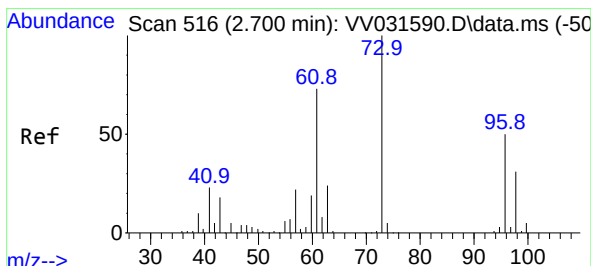
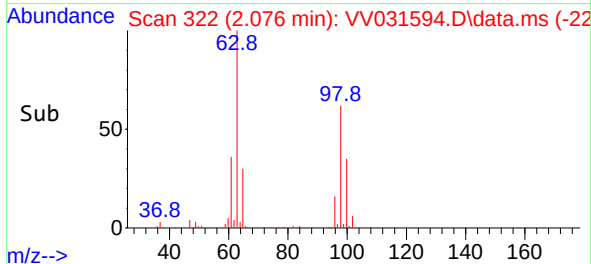
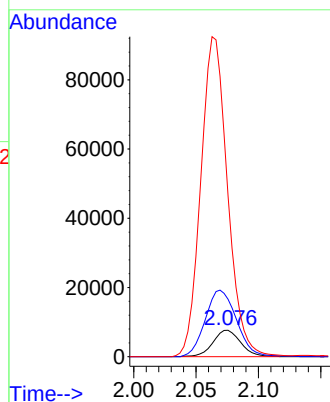
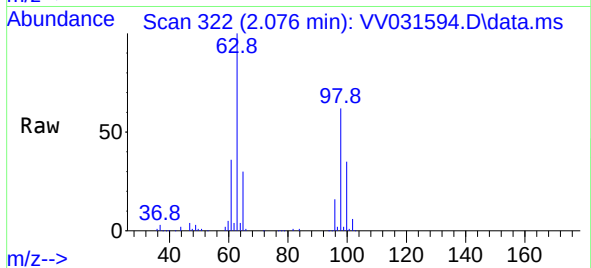




#12
1,1-Dichloroethene
Concen: 7.185 ug/L
RT: 2.076 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV031594.D
Acq: 19 Jun 2023 11:27

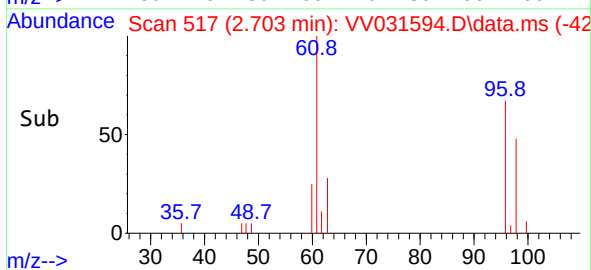
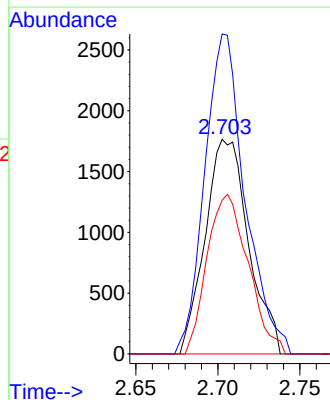
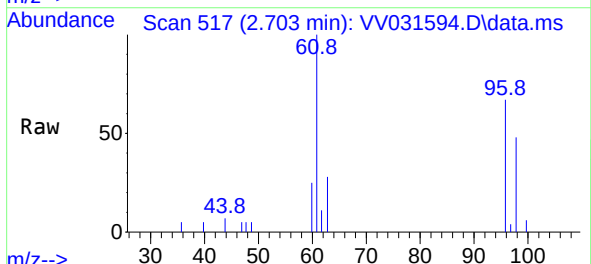
Instrument :
MSVOA_V
ClientSampleId :
EXYT9

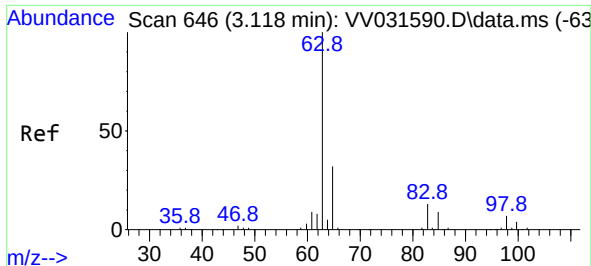
Tgt Ion: 96 Resp: 11880
Ion Ratio Lower Upper
96 100
61 195.5 128.9 239.5
63 548.7 95.3 177.1#



#17
trans-1,2-Dichloroethene
Concen: 1.881 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV031594.D
Acq: 19 Jun 2023 11:27

Tgt Ion: 96 Resp: 3247
Ion Ratio Lower Upper
96 100
61 164.8 102.5 190.3
98 71.6 44.1 81.9

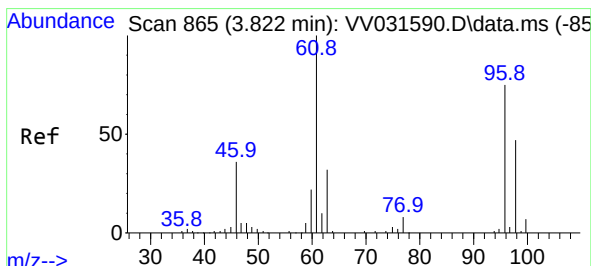
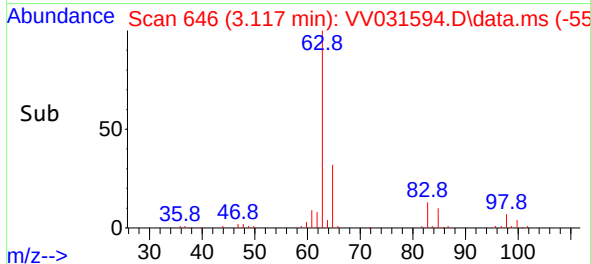
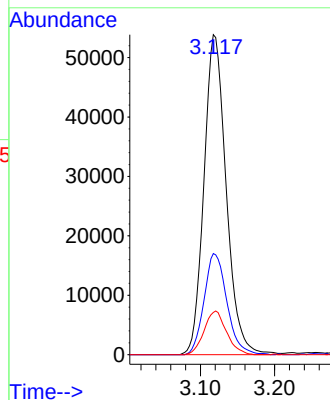
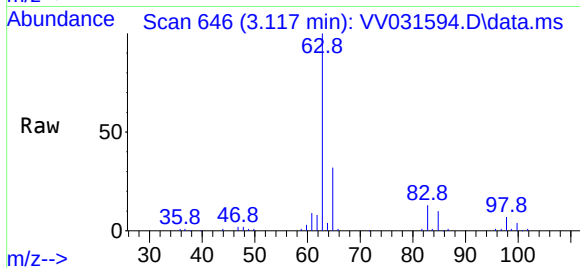




#19
1,1-Dichloroethane
Concen: 30.082 ug/L
RT: 3.117 min Scan# 64
Delta R.T. -0.000 min
Lab File: VV031594.D
Acq: 19 Jun 2023 11:27

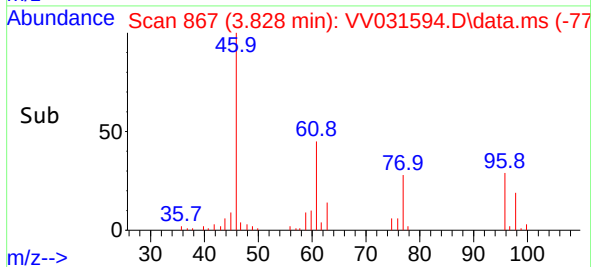
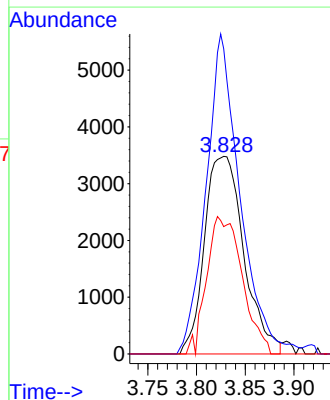
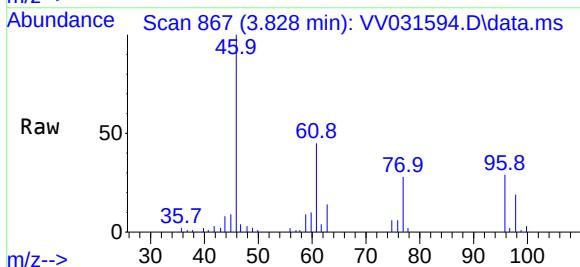
Instrument :
MSVOA_V
ClientSampleId :
EXYT9

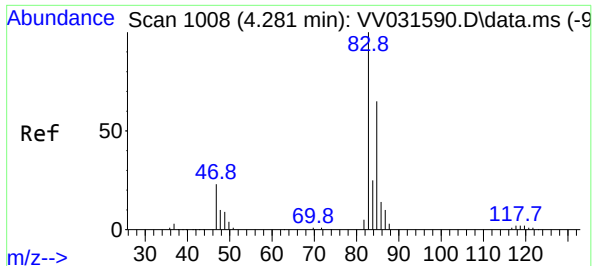
Tgt Ion: 63 Resp: 112047
Ion Ratio Lower Upper
63 100
65 31.6 22.5 41.7
83 13.9 10.0 18.6



#20
cis-1,2-Dichloroethene
Concen: 5.265 ug/L
RT: 3.828 min Scan# 867
Delta R.T. 0.003 min
Lab File: VV031594.D
Acq: 19 Jun 2023 11:27

Tgt Ion: 96 Resp: 9820
Ion Ratio Lower Upper
96 100
61 160.3 98.6 183.0
98 61.2 45.7 84.9





#25

Chloroform

Concen: 3.316 ug/L

RT: 4.288 min Scan# 1008

Delta R.T. 0.003 min

Lab File: VV031594.D

Acq: 19 Jun 2023 11:27

Instrument :

MSVOA_V

ClientSampleId :

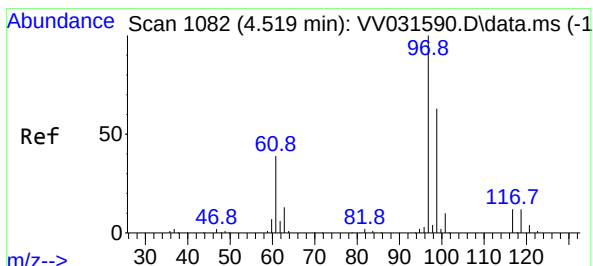
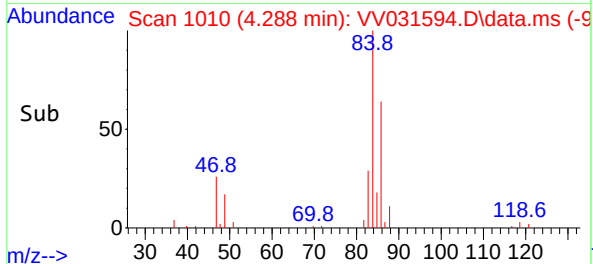
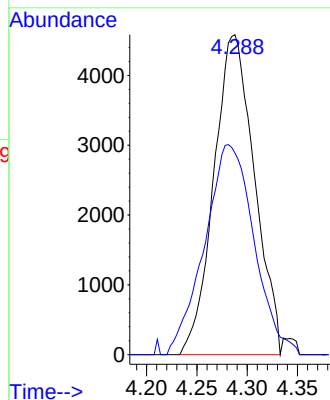
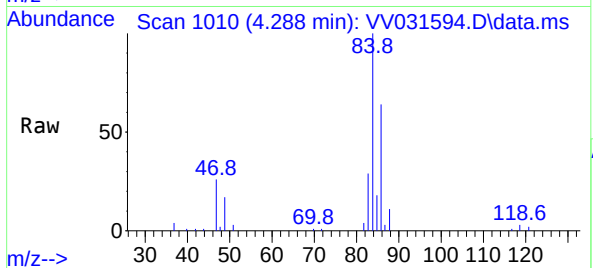
EXYT9

Tgt Ion: 83 Resp: 12840

Ion Ratio Lower Upper

83 100

85 63.0 45.3 84.1



#30

1,1,1-Trichloroethane

Concen: 88.602 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV031594.D

Acq: 19 Jun 2023 11:27

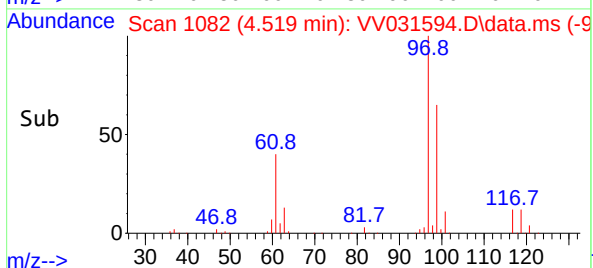
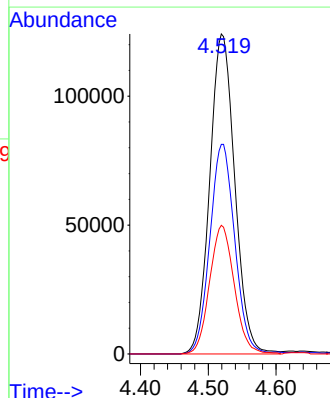
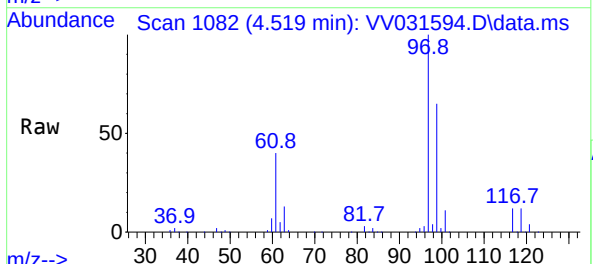
Tgt Ion: 97 Resp: 318899

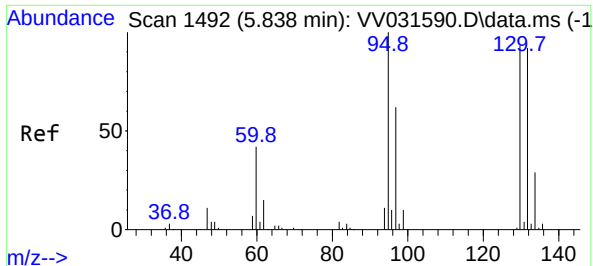
Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.6

61 39.6 33.0 49.6





#34

Trichloroethene

Concen: 1.679 ug/L

RT: 5.844 min Scan# 1492

Delta R.T. 0.006 min

Lab File: VV031594.D

Acq: 19 Jun 2023 11:27

Instrument :

MSVOA_V

ClientSampleId :

EXYT9

Tgt Ion: 95 Resp: 3354

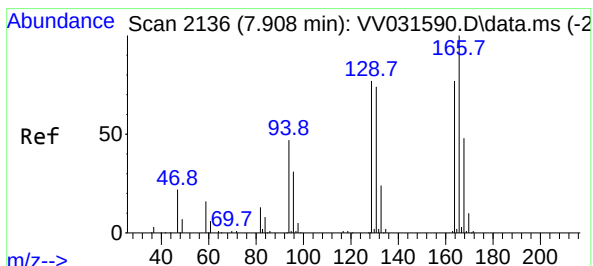
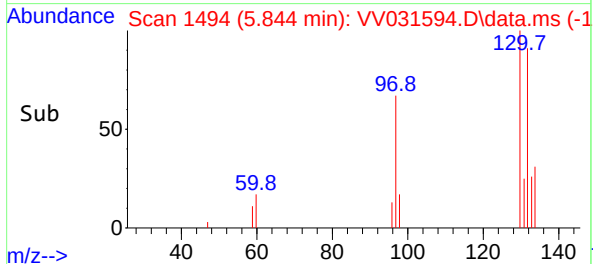
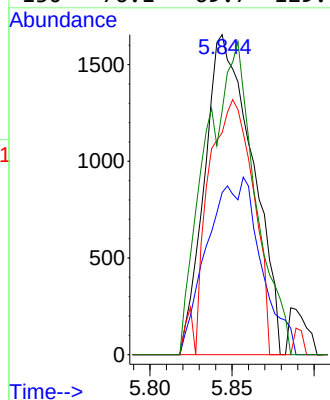
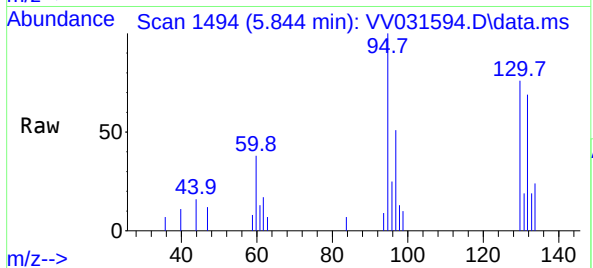
Ion Ratio Lower Upper

95 100

97 50.6 46.8 86.8

132 69.4 66.4 123.2

130 76.1 69.7 129.4



#46

Tetrachloroethene

Concen: 9.509 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV031594.D

Acq: 19 Jun 2023 11:27

Tgt Ion:164 Resp: 14905

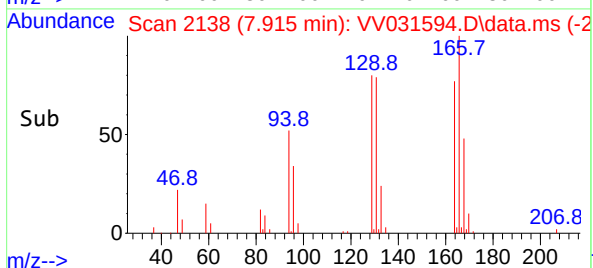
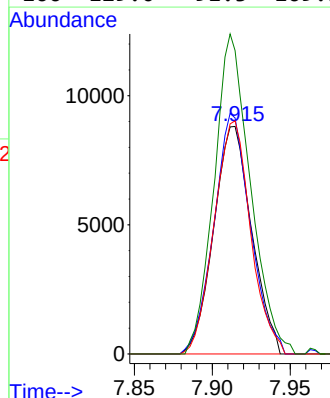
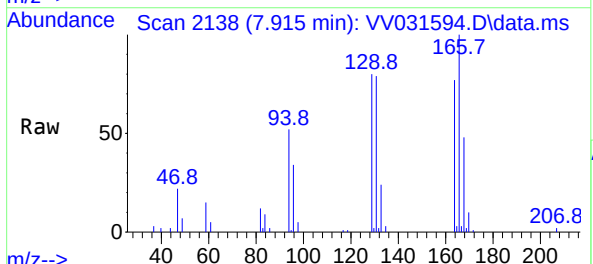
Ion Ratio Lower Upper

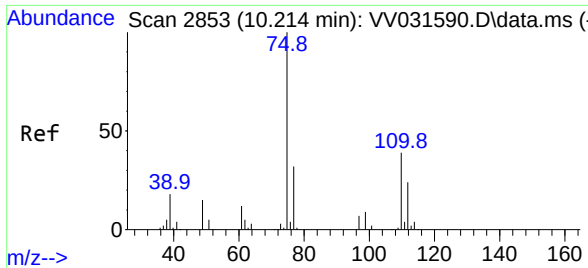
164 100

129 103.2 68.4 127.0

131 101.1 67.6 125.6

166 129.0 91.3 169.5





#61
1,2,3-Trichloropropane
Concen: 5.922 ug/L
RT: 11.191 min Scan# 31
Delta R.T. 0.977 min
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Tgt Ion:	75	Resp:	12750
Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.4	38.0
110	2.4	31.3	46.9#

