

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061623\
 Data File : VW031576.D
 Acq On : 16 Jun 2023 15:10
 Operator : SY/MD
 Sample : 03249-06DL 20X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS8DL

Quant Time: Jun 17 02:29:40 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)

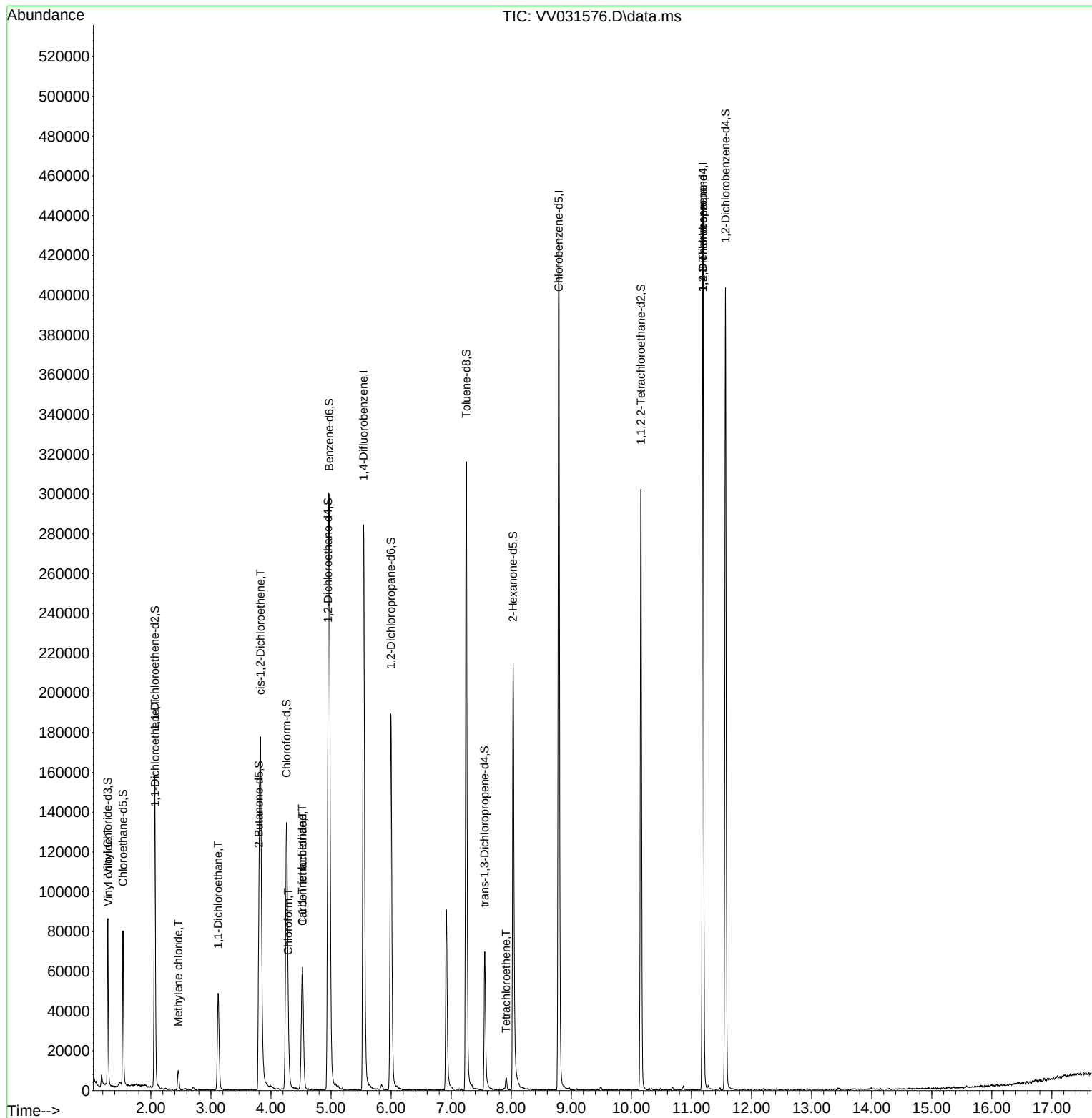
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	232448	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	228793	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	113018	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	48439	31.311	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.620%
7) Chloroethane-d5	1.535	69	51171	37.909	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.820%
11) 1,1-Dichloroethene-d2	2.066	65	26857	33.685	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.360%
21) 2-Butanone-d5	3.799	46	107101	85.499	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.500%
24) Chloroform-d	4.259	84	147105	37.969	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.940%
26) 1,2-Dichloroethane-d4	4.950	65	100309	41.380	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.760%
32) Benzene-d6	4.969	84	255222	39.631	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.260%
36) 1,2-Dichloropropane-d6	5.995	67	94145	41.246	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.500%
41) Toluene-d8	7.249	98	216023	36.554	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.100%#
43) trans-1,3-Dichloroprop...	7.558	79	43500	39.093	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.180%
47) 2-Hexanone-d5	8.030	63	77032	85.475	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.470%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	142878	41.471	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.940%
66) 1,2-Dichlorobenzene-d4	11.567	152	97914	45.450	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.900%
Target Compounds						
						Qvalue
5) Vinyl chloride	1.288	62	7450	3.230	ug/L #	74
12) 1,1-Dichloroethene	2.072	96	1771	1.030	ug/L #	1
16) Methylene chloride	2.458	84	4209	1.952	ug/L	93
19) 1,1-Dichloroethane	3.121	63	50242	12.966	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	79125	40.782	ug/L	96
25) Chloroform	4.288	83	9082	2.255	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	53827	14.674	ug/L	98
31) Carbon tetrachloride	4.526	117	6311	1.942	ug/L	99
46) Tetrachloroethene	7.915	164	1084	0.679	ug/L	87
61) 1,2,3-Trichloropropane	11.191	75	13173	5.901	ug/L #	65

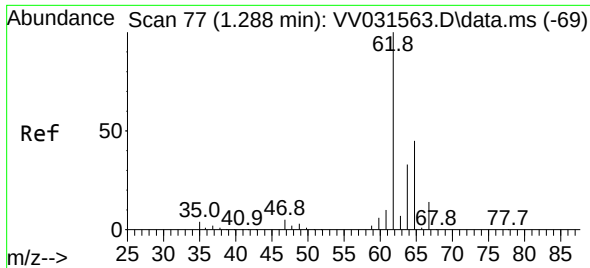
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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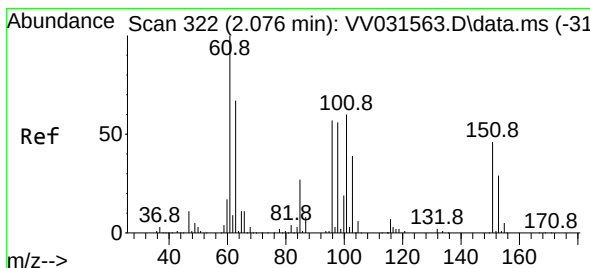
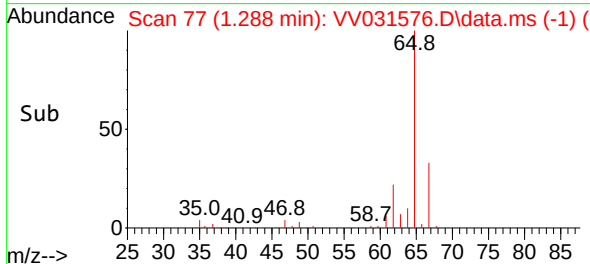
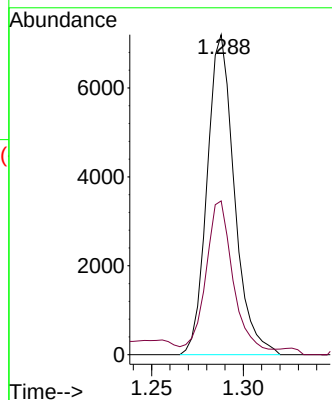
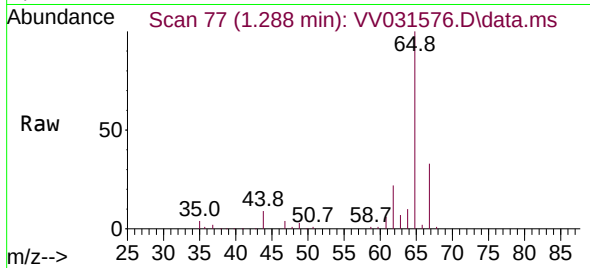




#5
 Vinyl chloride
 Concen: 3.230 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV031576.D
 Acq: 16 Jun 2023 15:10

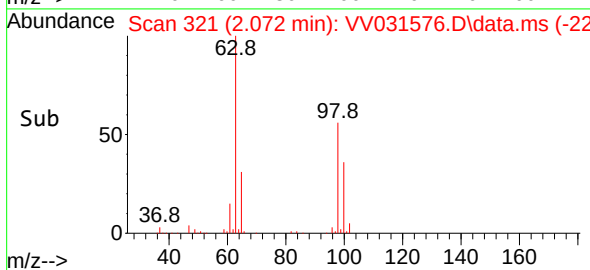
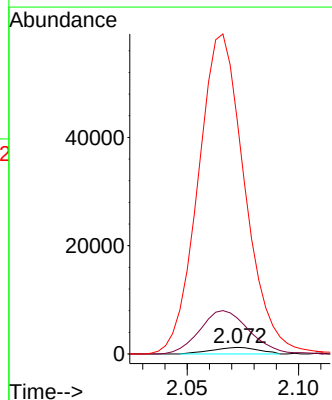
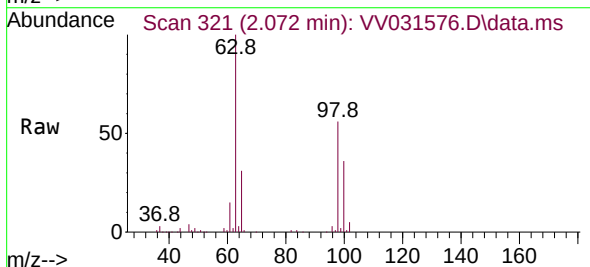
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS8DL

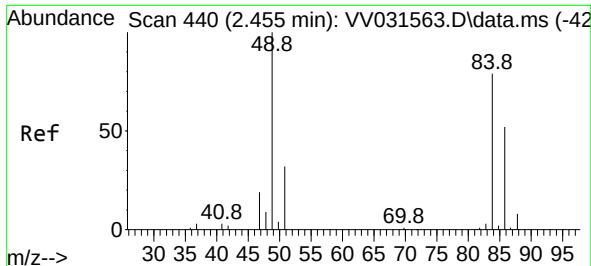
Tgt Ion: 62 Resp: 7450
 Ion Ratio Lower Upper
 62 100
 64 48.0 23.4 43.4#



#12
 1,1-Dichloroethene
 Concen: 1.030 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV031576.D
 Acq: 16 Jun 2023 15:10

Tgt Ion: 96 Resp: 1771
 Ion Ratio Lower Upper
 96 100
 61 550.1 128.9 239.5#
 63 3574.6 95.3 177.1#



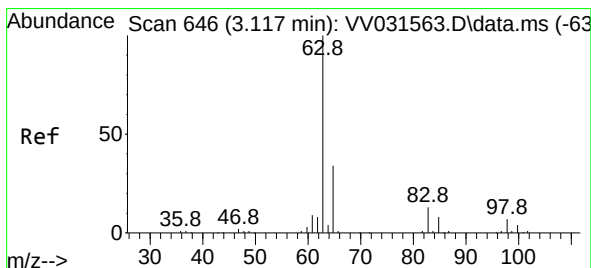
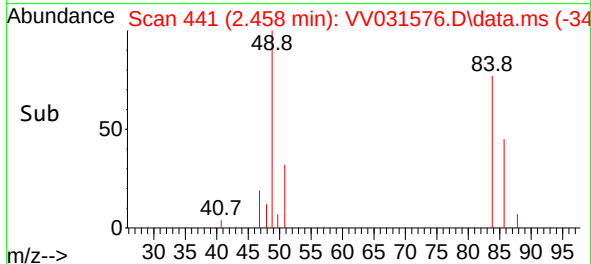
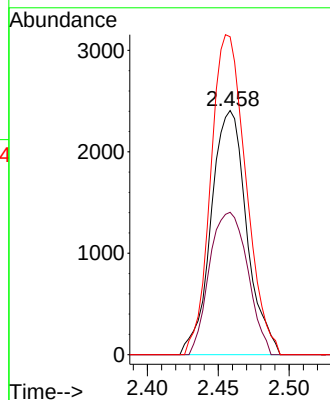
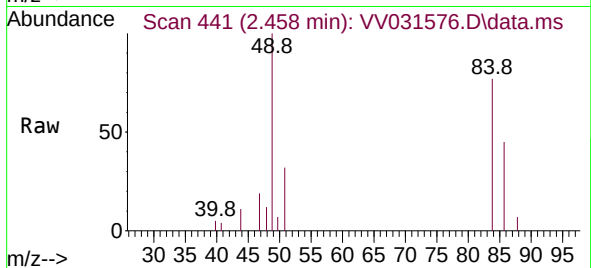


#16
Methylene chloride
Concen: 1.952 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV031576.D
Acq: 16 Jun 2023 15:10

Instrument :
MSVOA_V
ClientSampleId :
EXYS8DL

Tgt Ion: 84 Resp: 4209

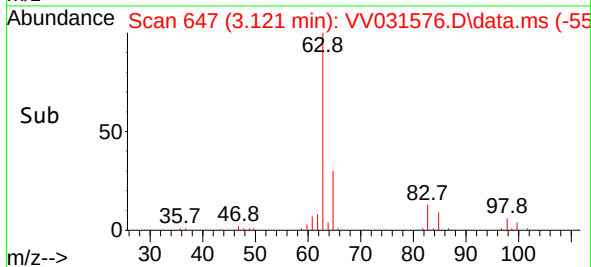
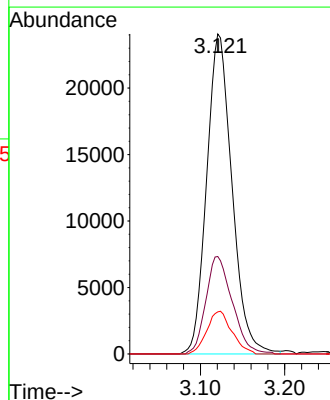
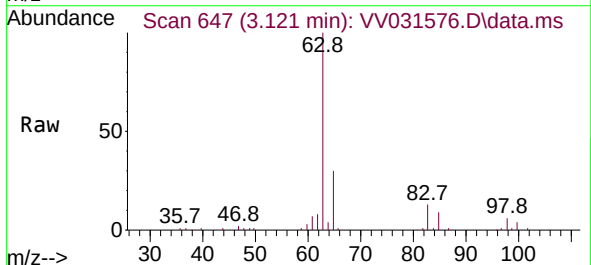
Ion	Ratio	Lower	Upper
84	100		
86	58.3	45.8	85.0
49	138.8	92.1	171.1

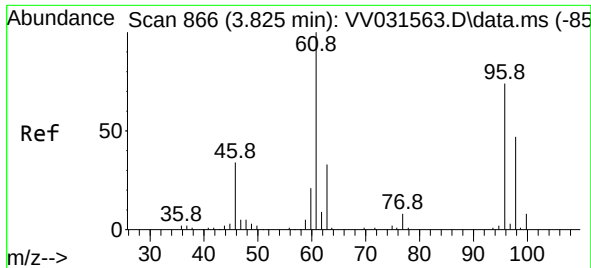


#19
1,1-Dichloroethane
Concen: 12.966 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV031576.D
Acq: 16 Jun 2023 15:10

Tgt Ion: 63 Resp: 50242

Ion	Ratio	Lower	Upper
63	100		
65	31.2	22.5	41.7
83	13.2	10.0	18.6

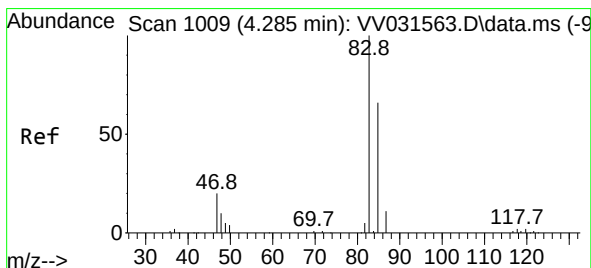
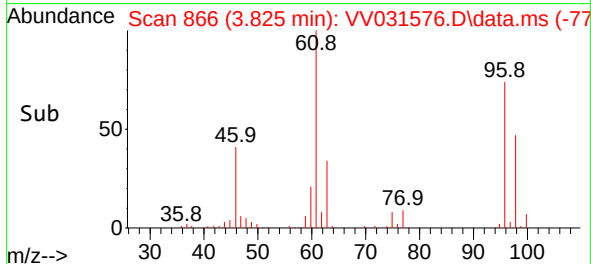
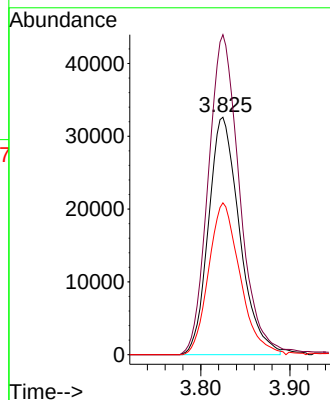
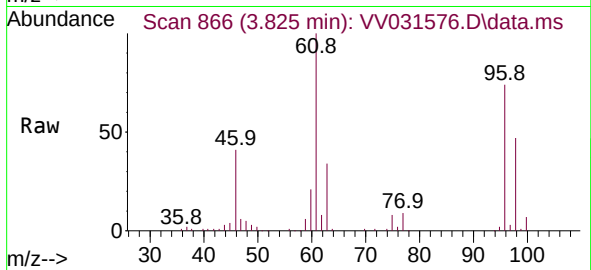




#20
 cis-1,2-Dichloroethene
 Concen: 40.782 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. -0.000 min
 Lab File: VV031576.D
 Acq: 16 Jun 2023 15:10

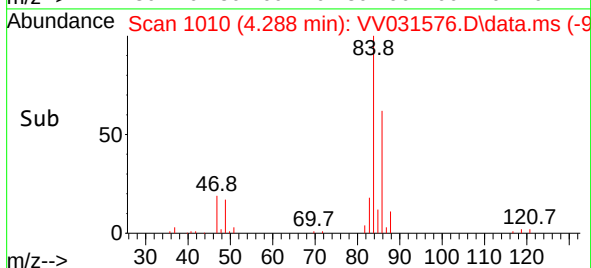
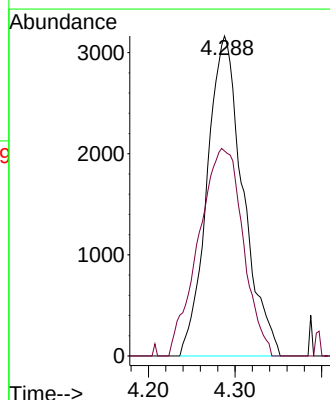
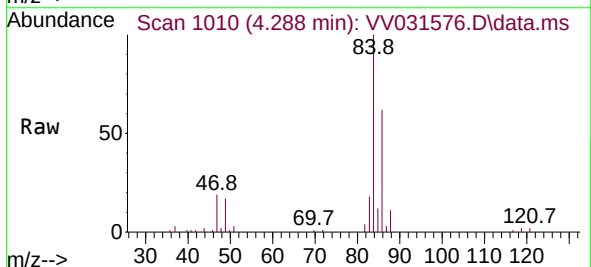
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS8DL

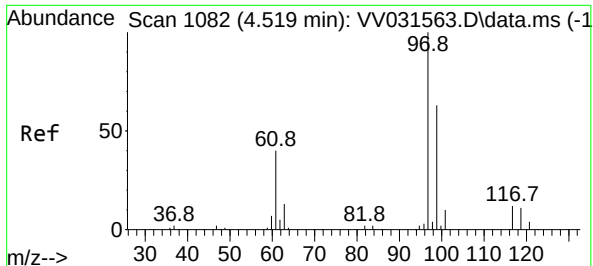
Tgt Ion:	96	Resp:	79125
Ion	Ratio	Lower	Upper
96	100		
61	134.8	98.6	183.0
98	63.9	45.7	84.9



#25
 Chloroform
 Concen: 2.255 ug/L
 RT: 4.288 min Scan# 1010
 Delta R.T. 0.003 min
 Lab File: VV031576.D
 Acq: 16 Jun 2023 15:10

Tgt Ion:	83	Resp:	9082
Ion	Ratio	Lower	Upper
83	100		
85	64.0	45.3	84.1





#30

1,1,1-Trichloroethane

Concen: 14.674 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV031576.D

Acq: 16 Jun 2023 15:10

Instrument :

MSVOA_V

ClientSampleId :

EXYS8DL

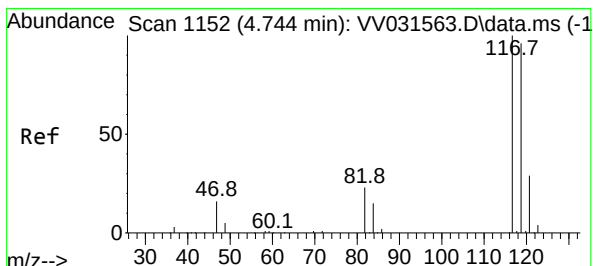
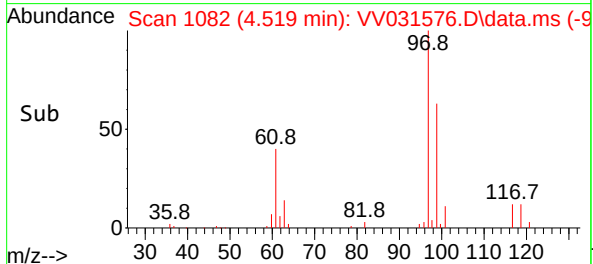
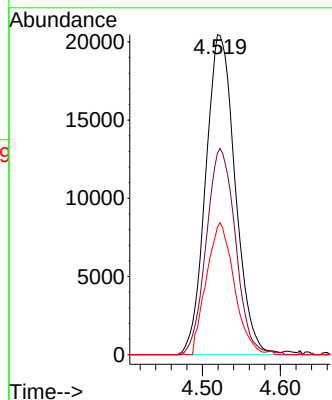
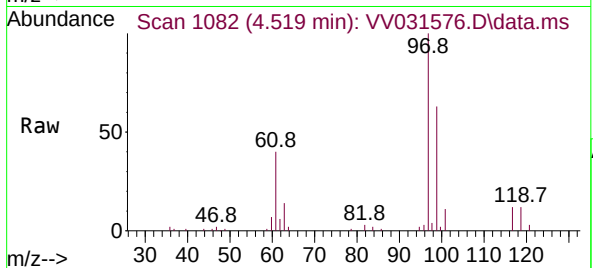
Tgt Ion: 97 Resp: 53827

Ion Ratio Lower Upper

97 100

99 63.7 51.8 77.6

61 38.8 33.0 49.6



#31

Carbon tetrachloride

Concen: 1.942 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. -0.219 min

Lab File: VV031576.D

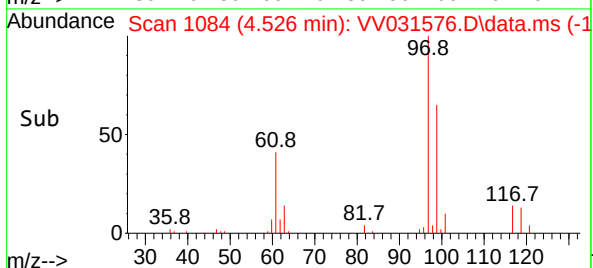
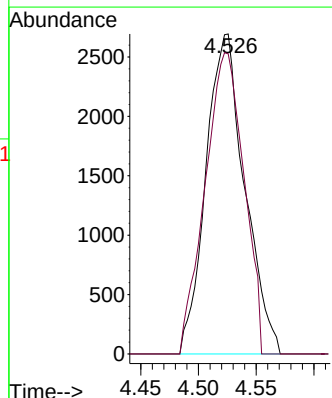
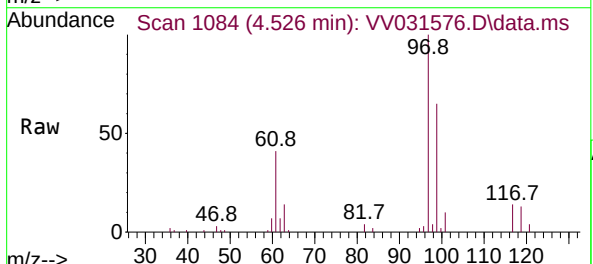
Acq: 16 Jun 2023 15:10

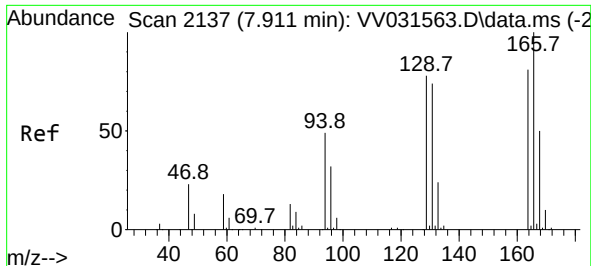
Tgt Ion: 117 Resp: 6311

Ion Ratio Lower Upper

117 100

119 94.0 76.2 114.4



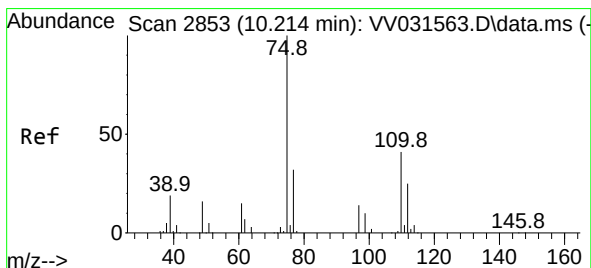
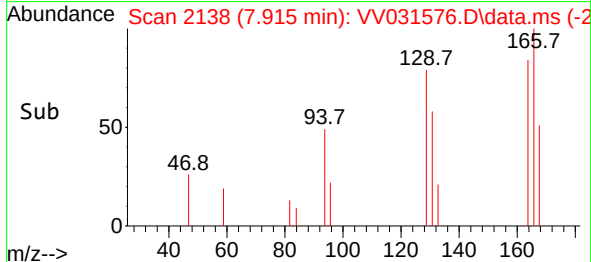
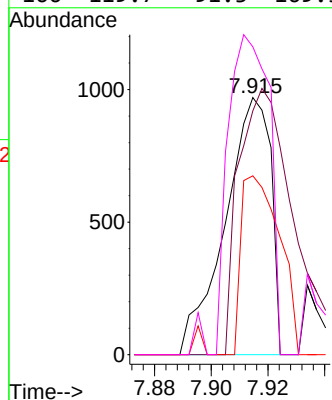
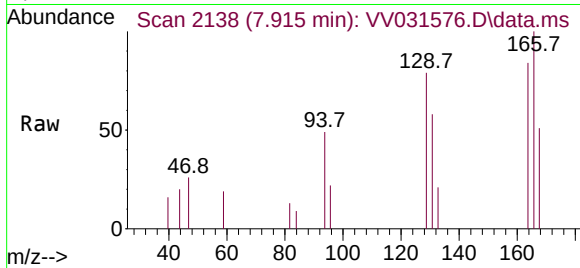


#46
Tetrachloroethene
Concen: 0.679 ug/L
RT: 7.915 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV031576.D
Acq: 16 Jun 2023 15:10

Instrument :
MSVOA_V
ClientSampleId :
EXYS8DL

Tgt Ion:164 Resp: 1084

Ion	Ratio	Lower	Upper
164	100		
129	94.8	68.4	127.0
131	69.6	67.6	125.6
166	119.7	91.3	169.5



#61
1,2,3-Trichloropropane
Concen: 5.901 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.977 min
Lab File: VV031576.D
Acq: 16 Jun 2023 15:10

Tgt Ion: 75 Resp: 13173

Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.4	38.0
110	2.5	31.3	46.9

