

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051523\
 Data File : VV031036.D
 Acq On : 15 May 2023 19:22
 Operator : SY/MD
 Sample : 02768-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 16 00:46:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 16 00:40:05 2023
 Response via : Initial Calibration

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

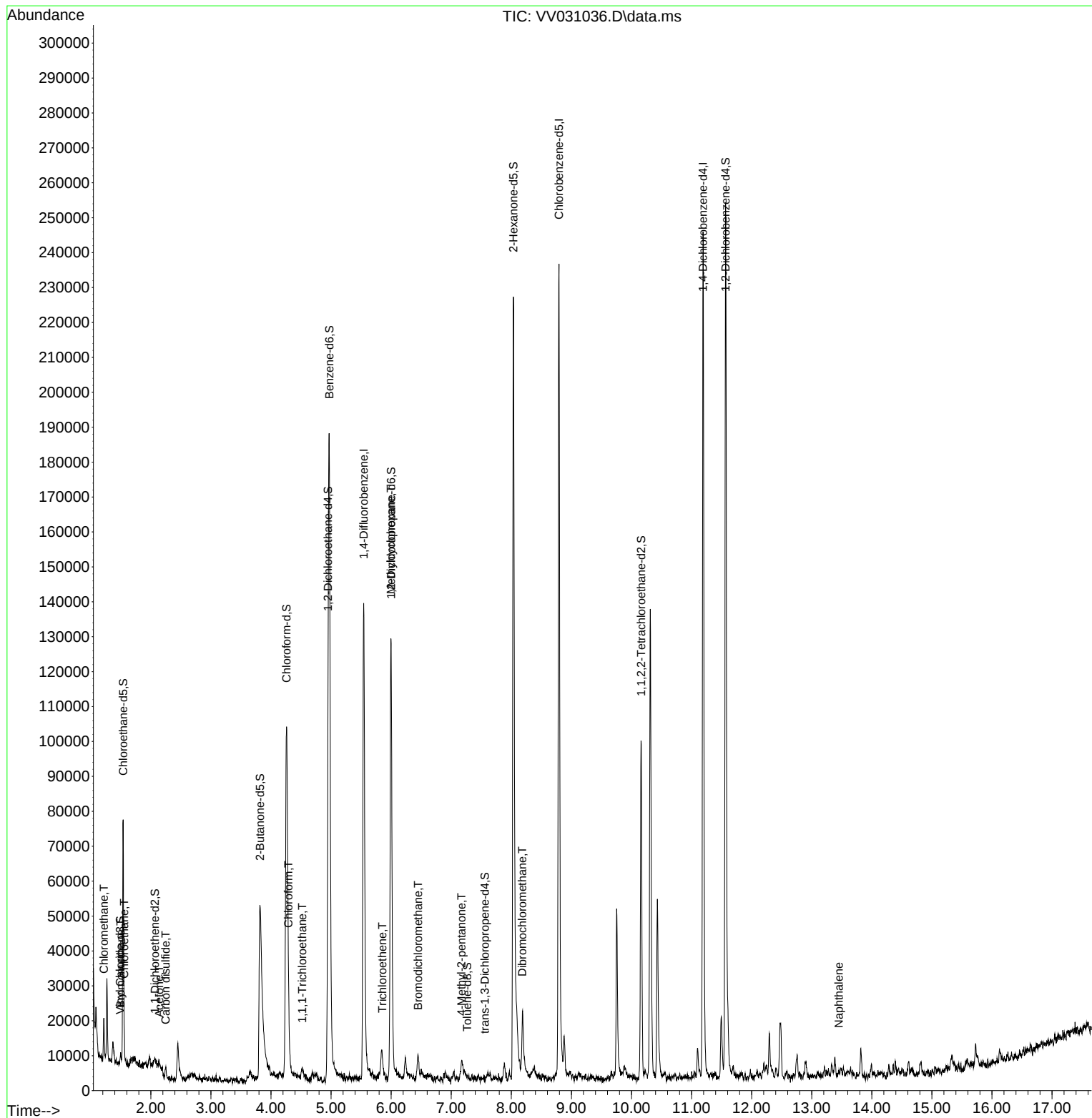
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	117520	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	130091	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	67189	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.487	65	151	0.016	ug/L	0.21
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.400%#
7) Chloroethane-d5	1.539	69	43486	5.506	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.200%
11) 1,1-Dichloroethene-d2	2.066	65	85	0.017	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	0.400%#
20) 2-Butanone-d5	3.815	46	114021	66.408	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.820%#
24) Chloroform-d	4.259	84	103418	5.374	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.400%
26) 1,2-Dichloroethane-d4	4.950	65	56834	5.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.200%
32) Benzene-d6	4.970	84	157630	4.134	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	5.998	67	53479	4.823	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.265	98	495	0.014	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.200%#
43) trans-1,3-Dichloroprop...	7.561	79	212	0.051	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	1.000%#
46) 2-Hexanone-d5	8.034	63	78947	54.213	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.420%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	41160	5.121	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	11.567	152	64912	5.183	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	7973	0.732	ug/L	99
6) Bromomethane	1.497	94	1241	0.286	ug/L	99
8) Chloroethane	1.555	64	1039	0.187	ug/L #	75
13) Acetone	2.140	43	4779	3.258	ug/L	73
14) Carbon disulfide	2.246	76	2921	0.141	ug/L #	93
25) Chloroform	4.291	83	9211	0.615	ug/L	99
29) 1,1,1-Trichloroethane	4.519	97	2113	0.129	ug/L #	80
34) Trichloroethene	5.854	95	1931	0.221	ug/L	92
35) Methylcyclohexane	5.995	83	14802	1.095	ug/L #	19
38) Bromodichloromethane	6.445	83	4235	0.373	ug/L #	93
40) 4-Methyl-2-pentanone	7.172	43	5787	1.439	ug/L #	48
49) Dibromochloromethane	8.182	129	2977	0.411	ug/L	98
71) Naphthalene	13.451	128	1038	0.064	ug/L #	89

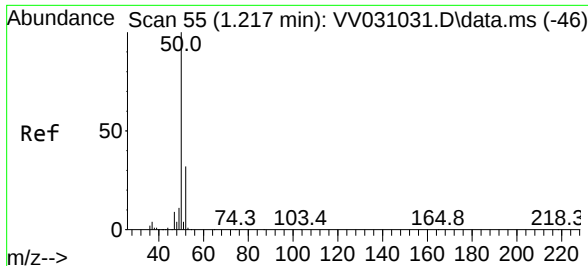
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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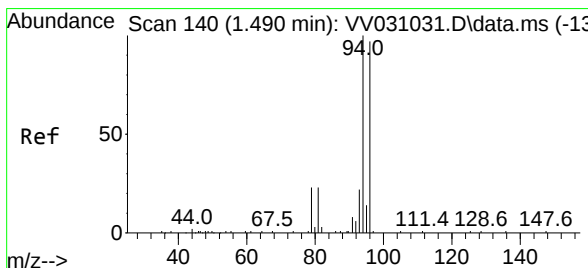
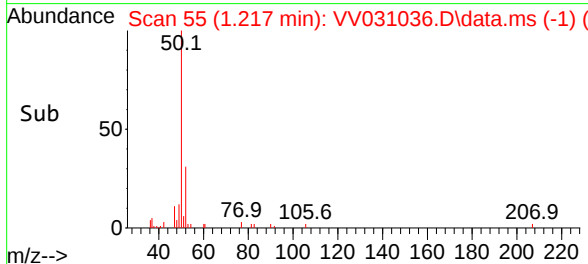
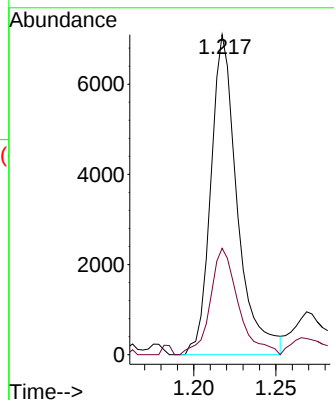
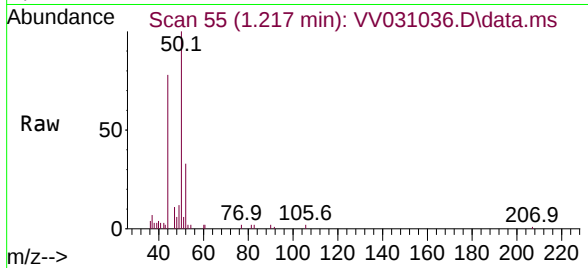




#3
Chloromethane
Concen: 0.732 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV031036.D
Acq: 15 May 2023 19:22

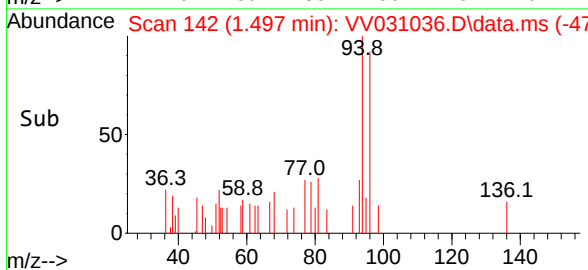
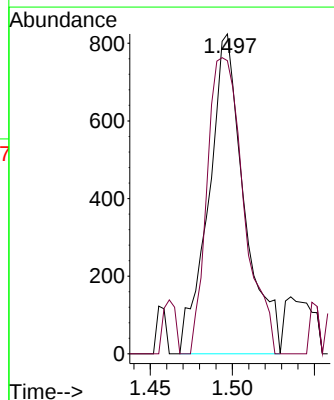
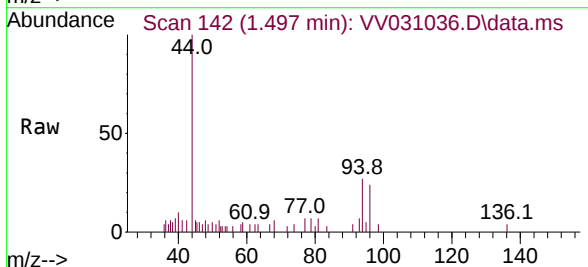
Instrument :
MSVOA_V
ClientSampleId :

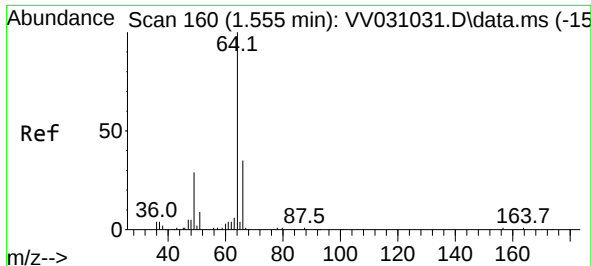
Tgt Ion: 50 Resp: 7973
Ion Ratio Lower Upper
50 100
52 33.3 22.8 42.4



#6
Bromomethane
Concen: 0.286 ug/L
RT: 1.497 min Scan# 142
Delta R.T. 0.006 min
Lab File: VV031036.D
Acq: 15 May 2023 19:22

Tgt Ion: 94 Resp: 1241
Ion Ratio Lower Upper
94 100
96 91.6 63.4 117.8

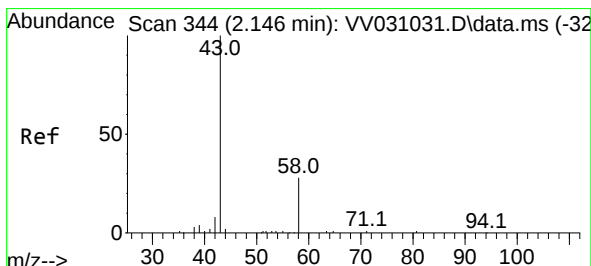
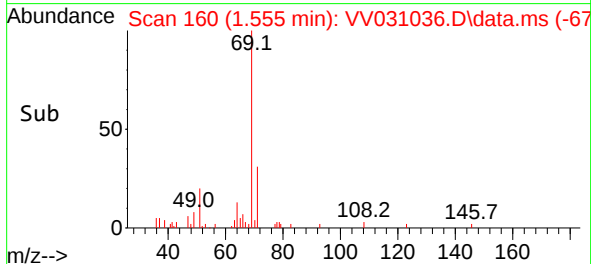
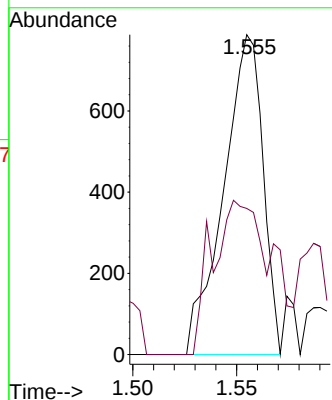
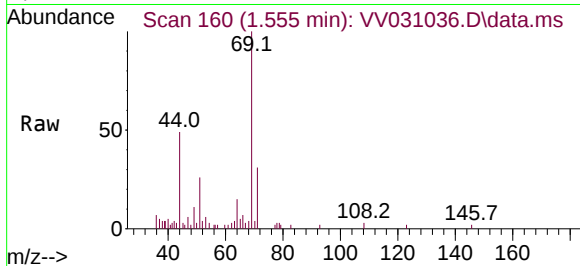




#8
Chloroethane
Concen: 0.187 ug/L
RT: 1.555 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VV031036.D
Acq: 15 May 2023 19:22

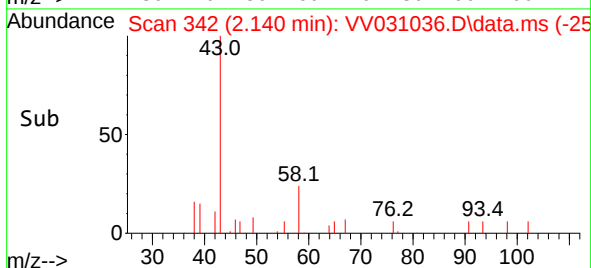
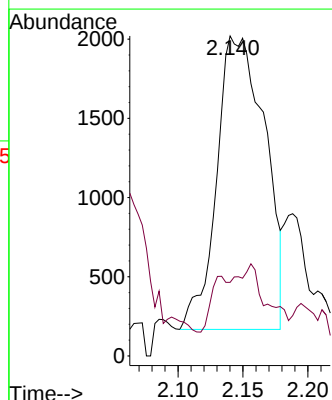
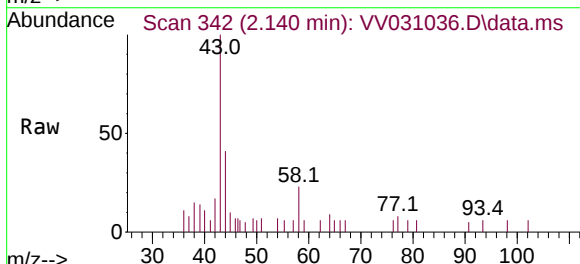
Instrument :
MSVOA_V
ClientSampleId :

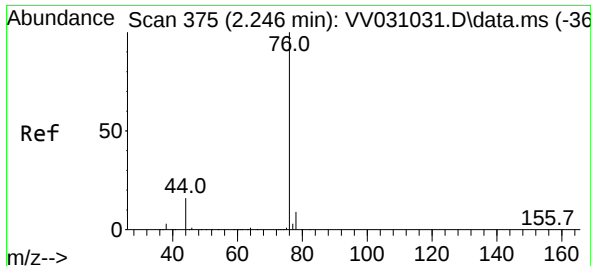
Tgt Ion: 64 Resp: 1039
Ion Ratio Lower Upper
64 100
66 45.7 22.1 41.1#



#13
Acetone
Concen: 3.258 ug/L
RT: 2.140 min Scan# 342
Delta R.T. -0.006 min
Lab File: VV031036.D
Acq: 15 May 2023 19:22

Tgt Ion: 43 Resp: 4779
Ion Ratio Lower Upper
43 100
58 6.3 0.0 37.0

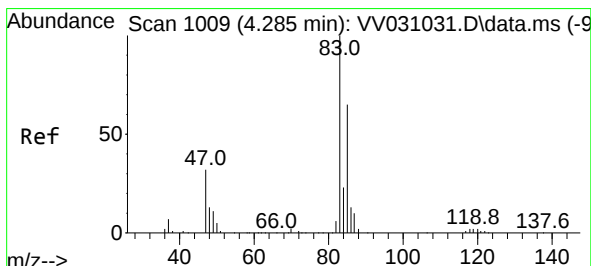
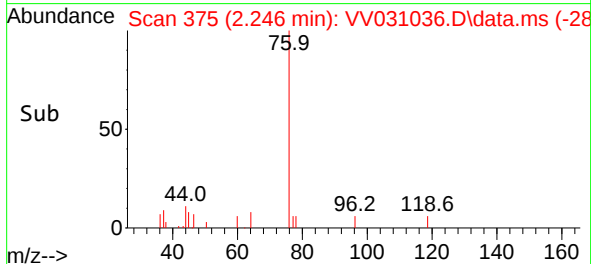
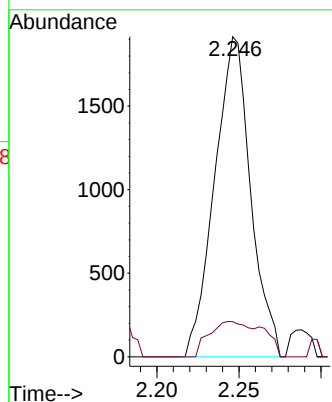
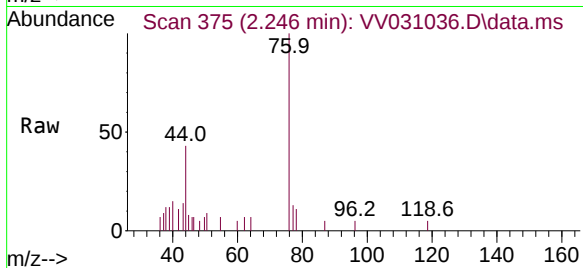




#14
Carbon disulfide
Concen: 0.141 ug/L
RT: 2.246 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031036.D
Acq: 15 May 2023 19:22

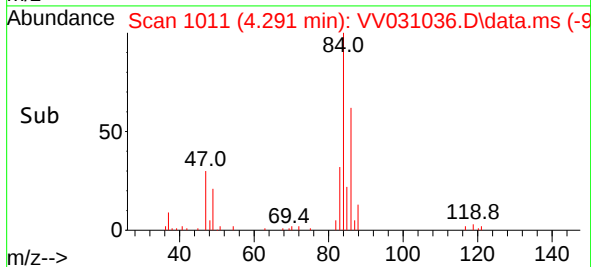
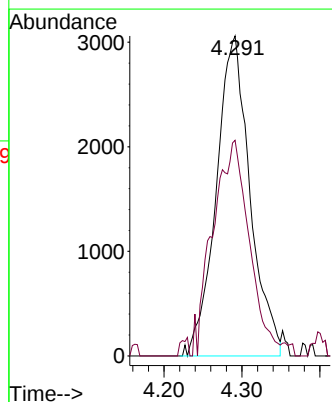
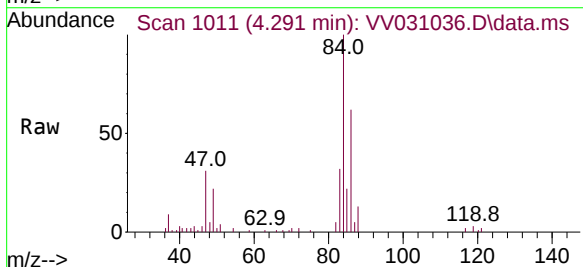
Instrument :
MSVOA_V
ClientSampleId :

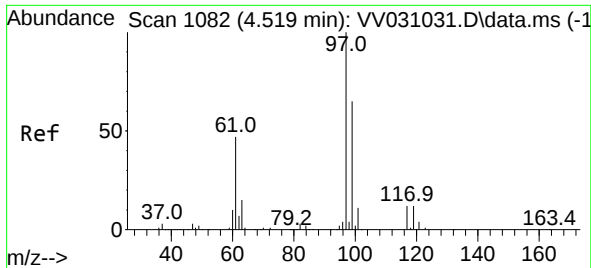
Tgt Ion: 76 Resp: 2921
Ion Ratio Lower Upper
76 100
78 11.0 6.8 10.2#



#25
Chloroform
Concen: 0.615 ug/L
RT: 4.291 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VV031036.D
Acq: 15 May 2023 19:22

Tgt Ion: 83 Resp: 9211
Ion Ratio Lower Upper
83 100
85 67.4 46.4 86.2





#29

1,1,1-Trichloroethane

Concen: 0.129 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031036.D

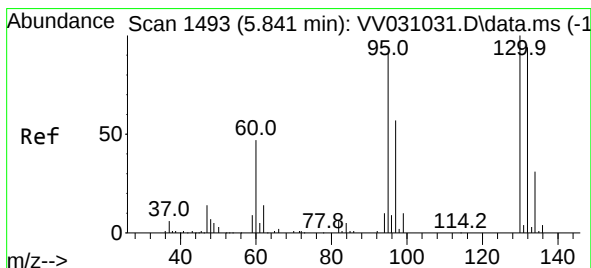
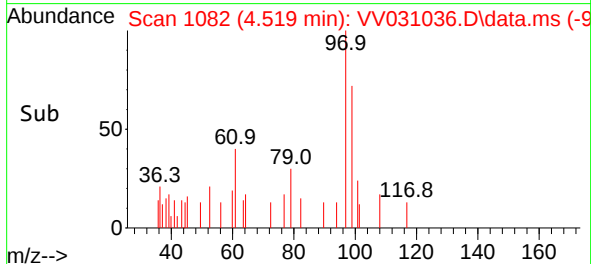
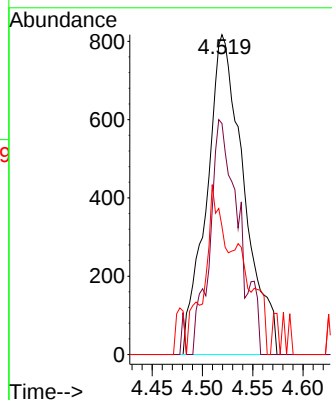
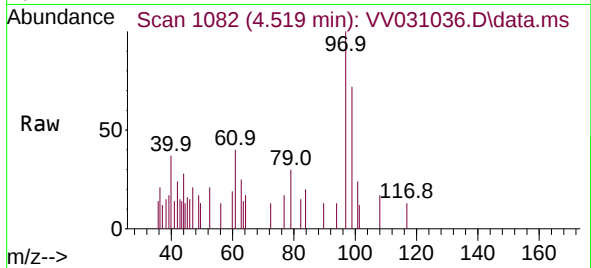
Acq: 15 May 2023 19:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97	Resp: 2113
Ion Ratio	Lower Upper
97 100	
99 52.4	51.4 77.2
61 28.5	37.4 56.0



#34

Trichloroethene

Concen: 0.221 ug/L

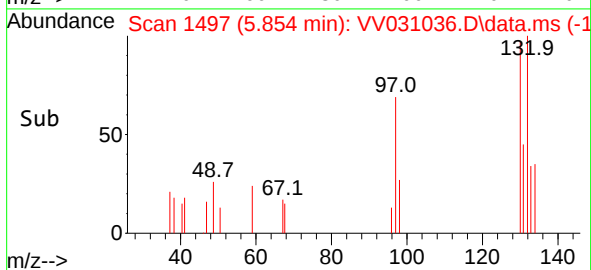
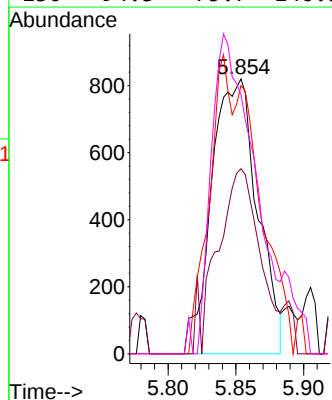
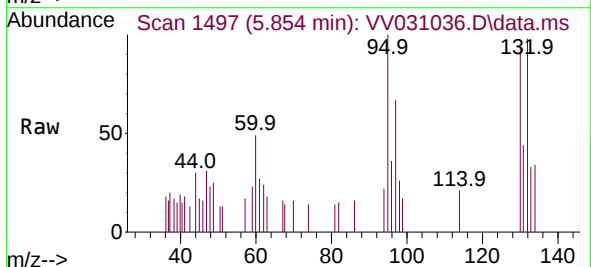
RT: 5.854 min Scan# 1497

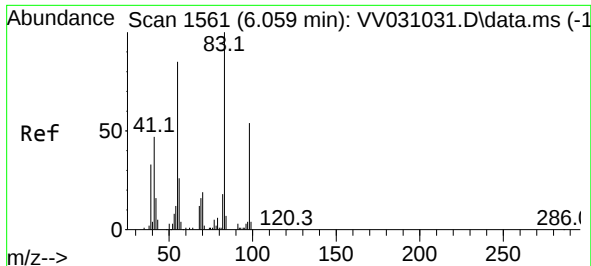
Delta R.T. 0.013 min

Lab File: VV031036.D

Acq: 15 May 2023 19:22

Tgt Ion: 95	Resp: 1931
Ion Ratio	Lower Upper
95 100	
97 67.3	46.2 85.8
132 97.6	72.7 135.1
130 94.3	75.7 140.5

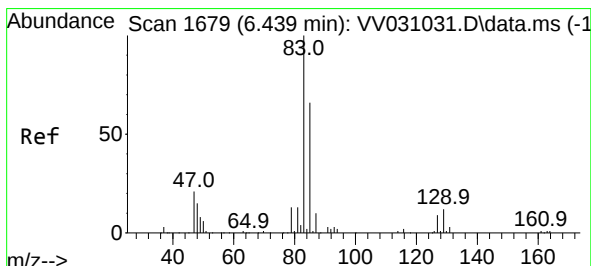
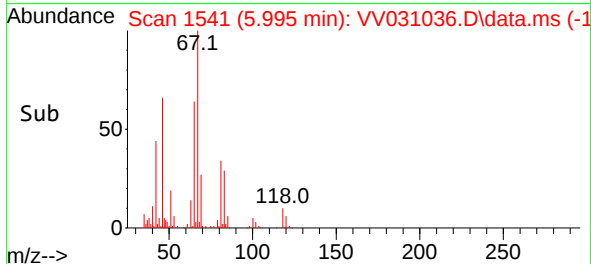
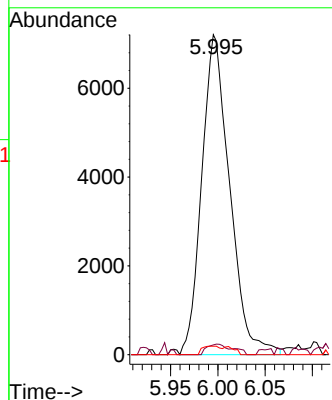
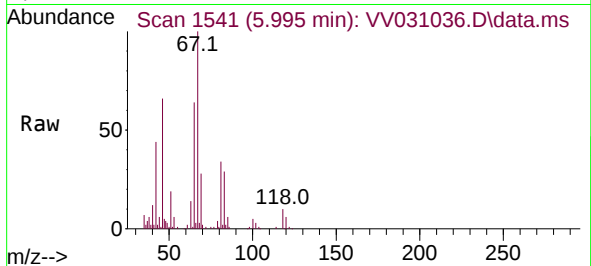




#35
Methylcyclohexane
Concen: 1.095 ug/L
RT: 5.995 min Scan# 11
Delta R.T. -0.064 min
Lab File: VV031036.D
Acq: 15 May 2023 19:22

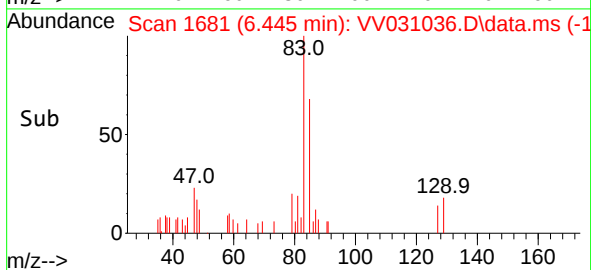
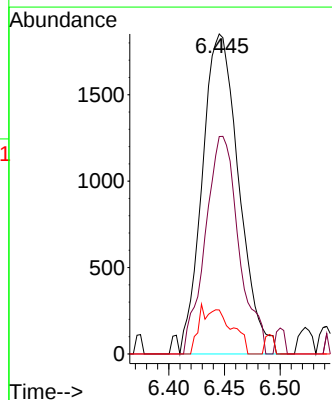
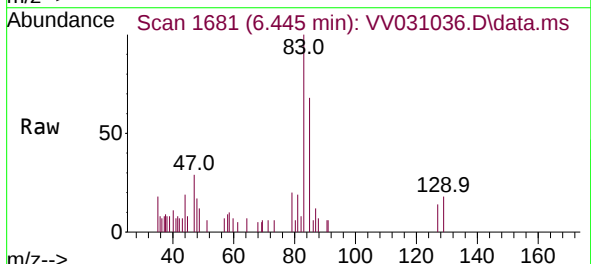
Instrument :
MSVOA_V
ClientSampleId :

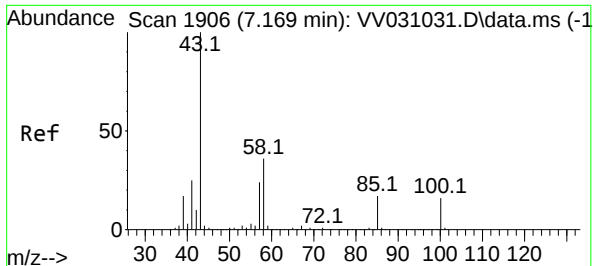
Tgt Ion: 83 Resp: 14802
Ion Ratio Lower Upper
83 100
55 2.4 62.9 94.3#
98 1.8 40.5 60.7#



#38
Bromodichloromethane
Concen: 0.373 ug/L
RT: 6.445 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VV031036.D
Acq: 15 May 2023 19:22

Tgt Ion: 83 Resp: 4235
Ion Ratio Lower Upper
83 100
85 67.9 44.4 82.4
127 13.7 6.6 9.8#





#40

4-Methyl-2-pentanone

Concen: 1.439 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.003 min

Lab File: VV031036.D

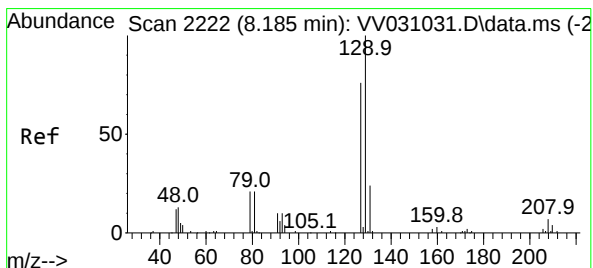
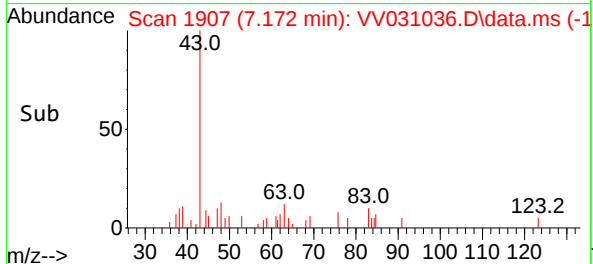
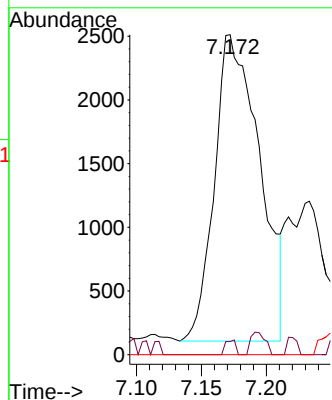
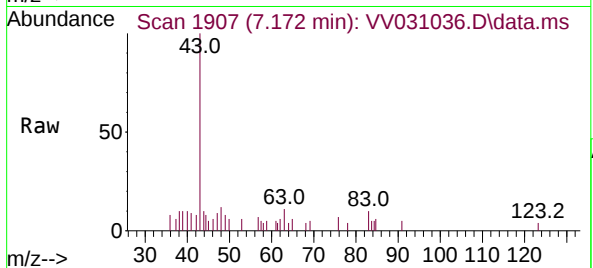
Acq: 15 May 2023 19:22

Instrument :

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ClientSampleId :

Tgt Ion: 43	Resp: 5787
Ion Ratio	Lower Upper
43	100
58	1.1 28.3 42.5#
100	0.0 11.8 17.8#



#49

Dibromochloromethane

Concen: 0.411 ug/L

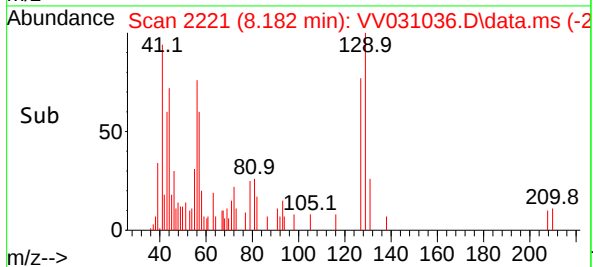
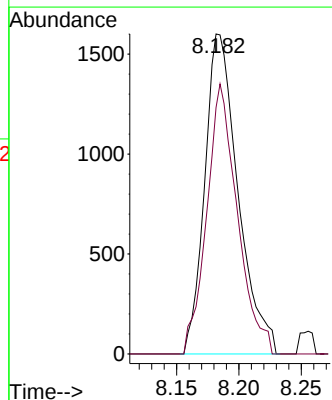
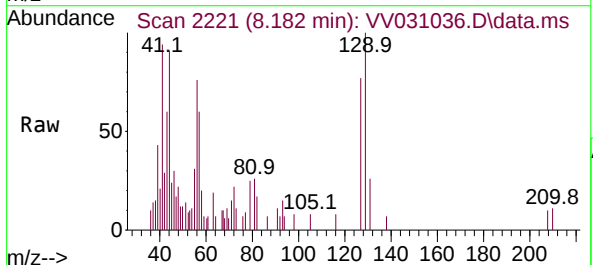
RT: 8.182 min Scan# 2221

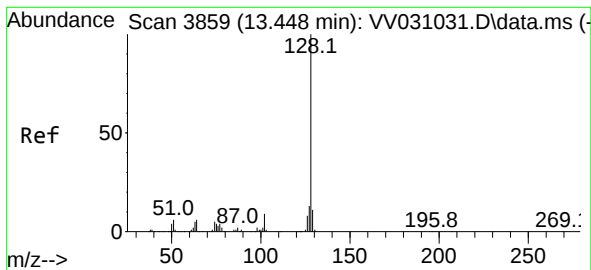
Delta R.T. -0.003 min

Lab File: VV031036.D

Acq: 15 May 2023 19:22

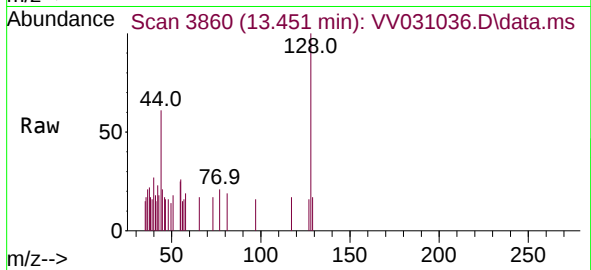
Tgt Ion: 129	Resp: 2977
Ion Ratio	Lower Upper
129	100
127	77.0 55.3 102.7





#71
Naphthalene
Concen: 0.064 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV031036.D
Acq: 15 May 2023 19:22

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 1038
Ion Ratio Lower Upper
128 100
129 15.5 8.6 13.0#
127 17.1 10.6 16.0#

