

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031553.D
 Acq On : 16 Jun 2023 01:01
 Operator : SY/MD
 Sample : 03254-13
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYX4

Quant Time: Jun 16 06:19:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 05:51:14 2023
 Response via : Initial Calibration

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

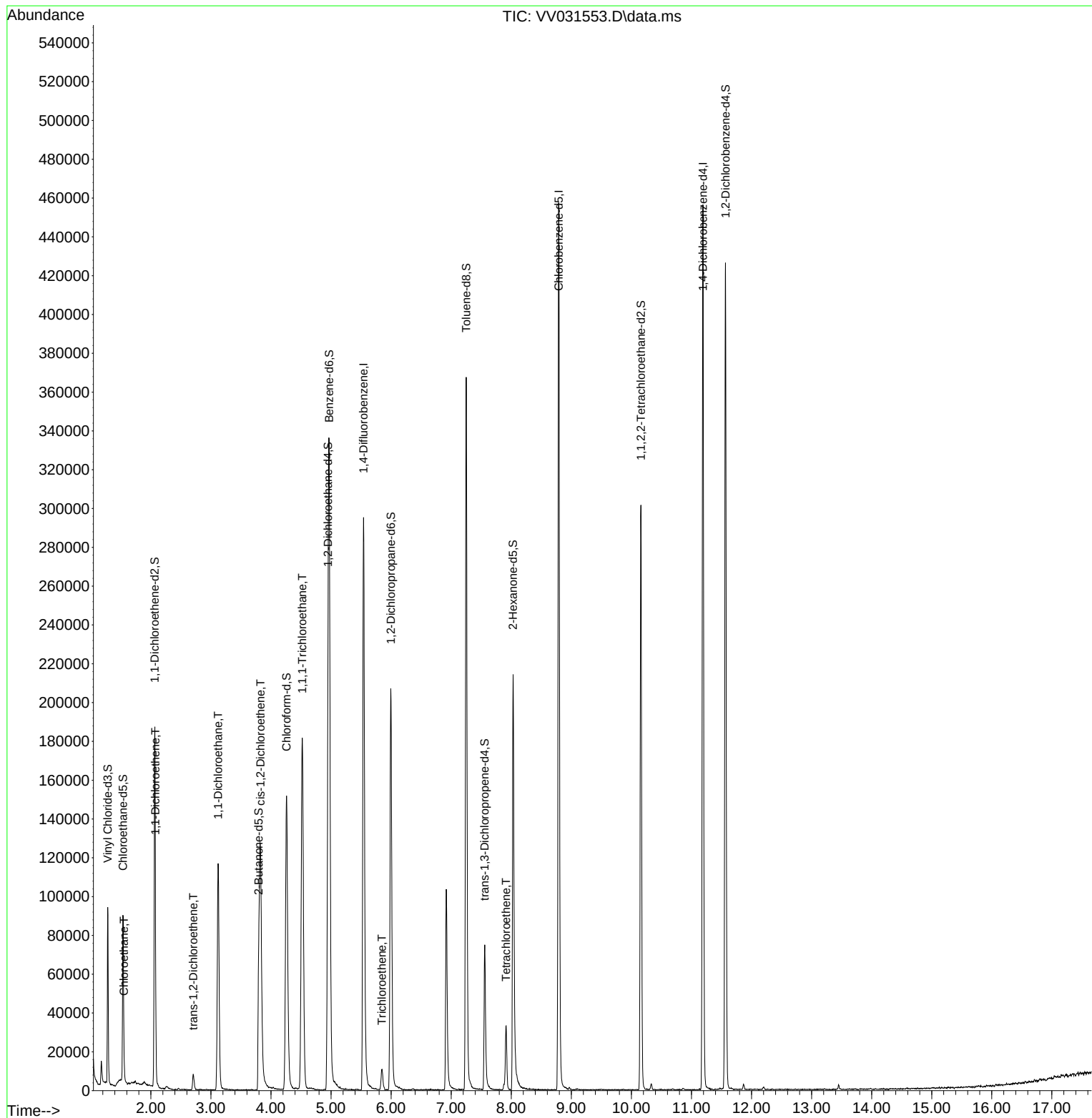
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	240434	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	240142	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	118134	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	58125	36.324	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.640%
7) Chloroethane-d5	1.536	69	57348	41.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.140%
11) 1,1-Dichloroethene-d2	2.066	65	31813	38.575	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.160%
21) 2-Butanone-d5	3.796	46	105916	81.744	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.740%
24) Chloroform-d	4.259	84	165123	41.204	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.400%
26) 1,2-Dichloroethane-d4	4.950	65	111422	44.438	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.880%
32) Benzene-d6	4.970	84	291703	43.155	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.300%
36) 1,2-Dichloropropane-d6	5.995	67	103176	43.066	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.140%
41) Toluene-d8	7.249	98	247873	39.961	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.920%#
43) trans-1,3-Dichloroprop...	7.558	79	45316	38.800	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.600%
47) 2-Hexanone-d5	8.031	63	77280	81.698	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.700%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	145770	40.311	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.620%
66) 1,2-Dichlorobenzene-d4	11.567	152	107979	47.951	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.900%
Target Compounds						
					Qvalue	
8) Chloroethane	1.552	64	2523	1.637	ug/L	86
12) 1,1-Dichloroethene	2.076	96	2340	1.315	ug/L #	1
17) trans-1,2-Dichloroethene	2.706	96	2671	1.438	ug/L	92
19) 1,1-Dichloroethane	3.121	63	122220	30.494	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	55677	27.743	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	158500	41.167	ug/L	99
34) Trichloroethene	5.847	95	4667	2.184	ug/L	85
46) Tetrachloroethene	7.912	164	6534	3.897	ug/L	97

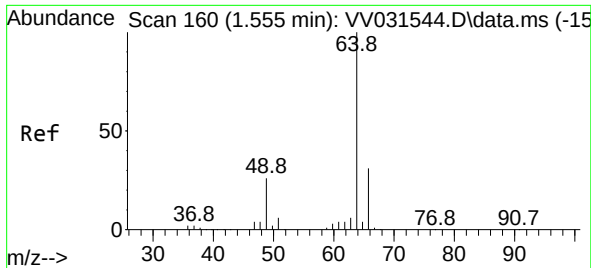
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 1.637 ug/L

RT: 1.552 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV031553.D

Acq: 16 Jun 2023 01:01

Instrument :

MSVOA_V

ClientSampleId :

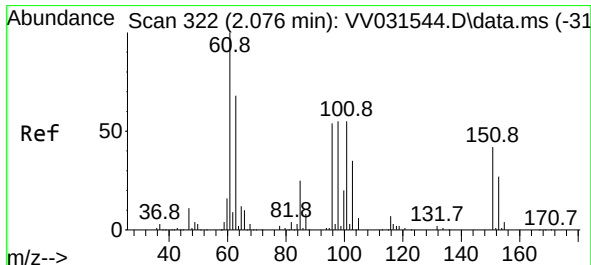
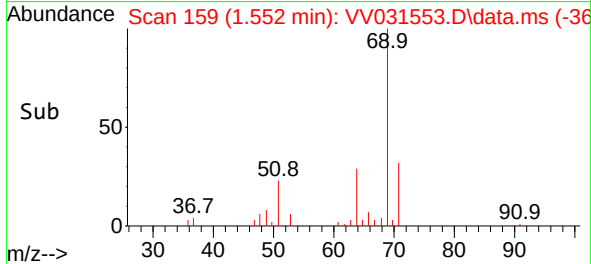
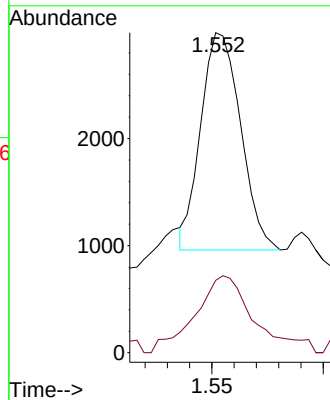
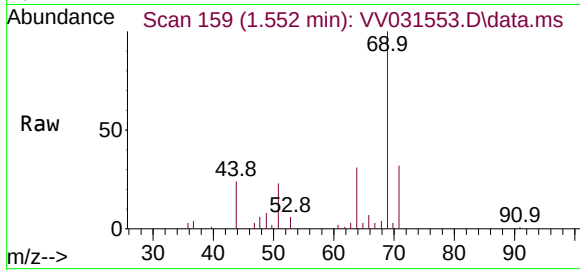
EXYX4

Tgt Ion: 64 Resp: 2523

Ion Ratio Lower Upper

64 100

66 22.6 21.0 39.0



#12

1,1-Dichloroethene

Concen: 1.315 ug/L

RT: 2.076 min Scan# 322

Delta R.T. 0.000 min

Lab File: VV031553.D

Acq: 16 Jun 2023 01:01

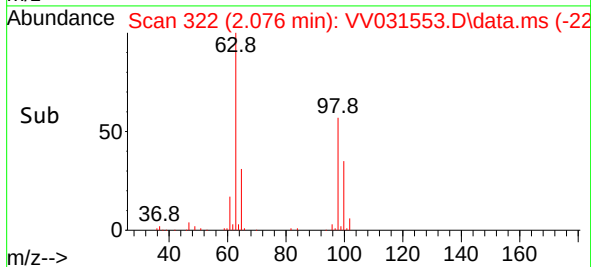
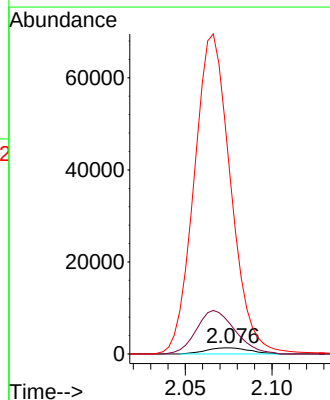
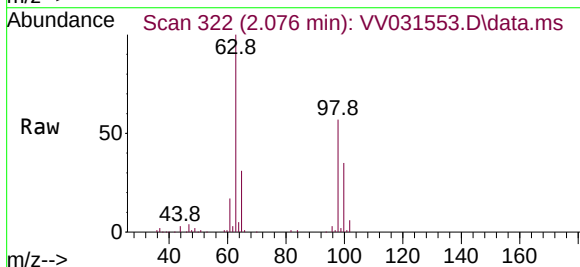
Tgt Ion: 96 Resp: 2340

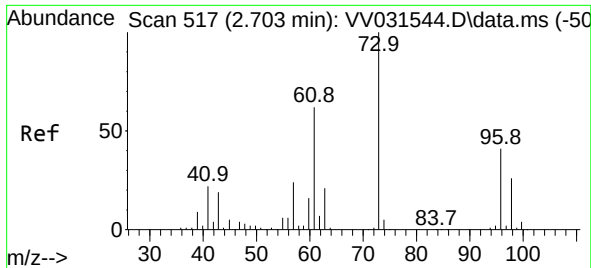
Ion Ratio Lower Upper

96 100

61 492.6 128.9 239.5#

63 2895.0 95.3 177.1#

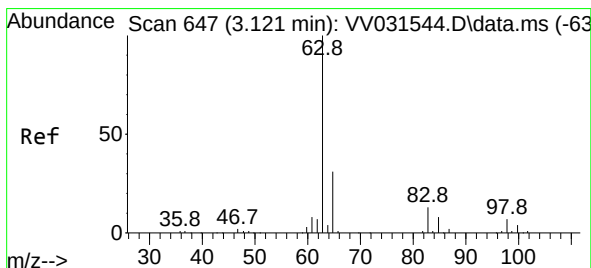
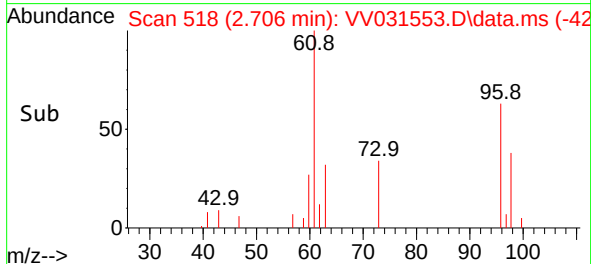
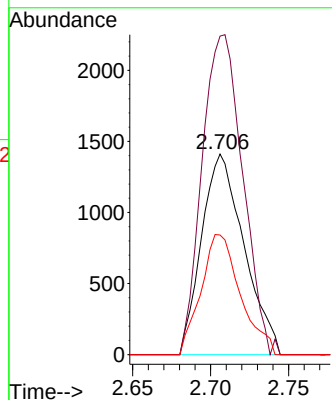
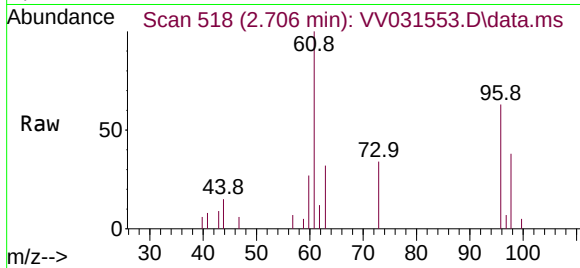




#17
trans-1,2-Dichloroethene
Concen: 1.438 ug/L
RT: 2.706 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV031553.D
Acq: 16 Jun 2023 01:01

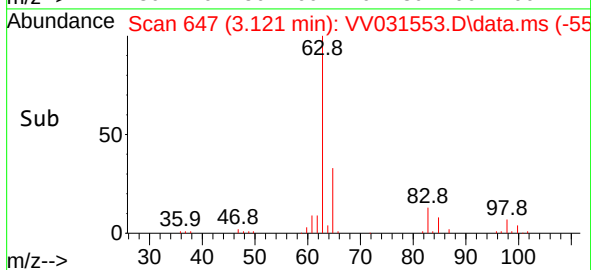
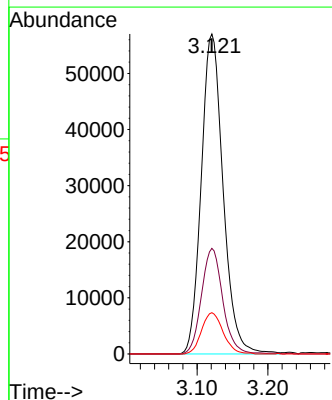
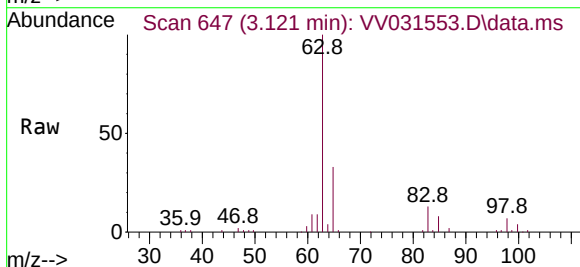
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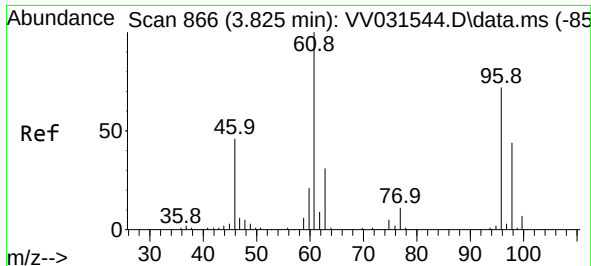
Tgt Ion: 96 Resp: 2671
Ion Ratio Lower Upper
96 100
61 158.8 102.5 190.3
98 59.7 44.1 81.9



#19
1,1-Dichloroethane
Concen: 30.494 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.000 min
Lab File: VV031553.D
Acq: 16 Jun 2023 01:01

Tgt Ion: 63 Resp: 122220
Ion Ratio Lower Upper
63 100
65 33.0 22.5 41.7
83 13.6 10.0 18.6

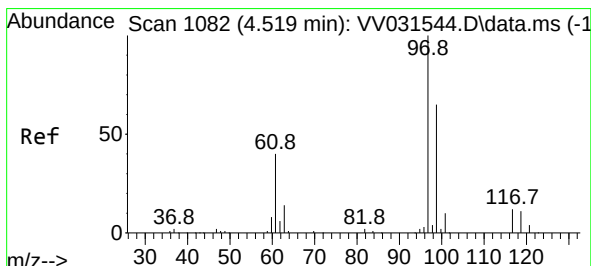
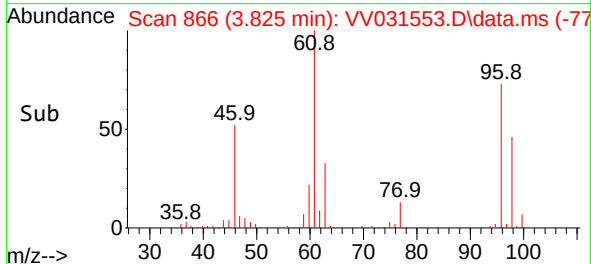
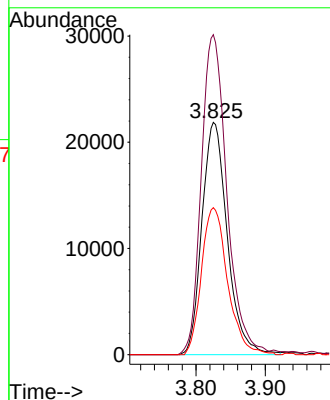
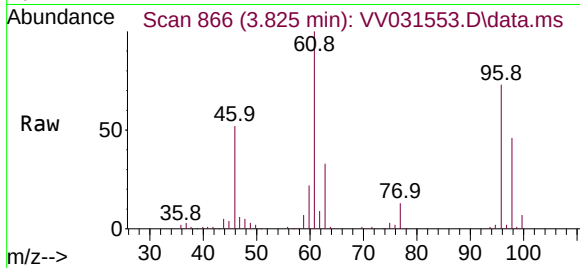




#20
 cis-1,2-Dichloroethene
 Concen: 27.743 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV031553.D
 Acq: 16 Jun 2023 01:01

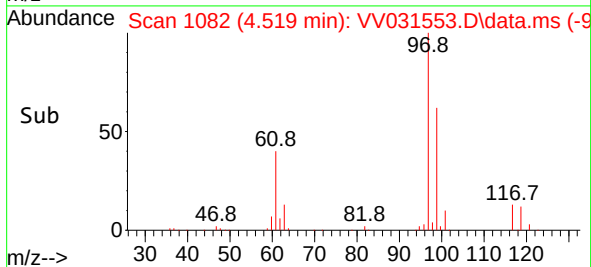
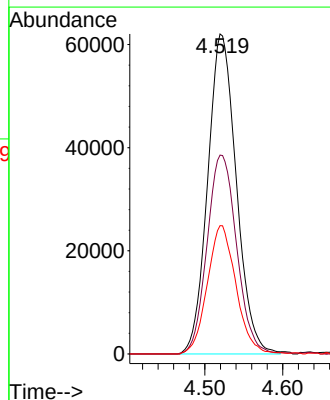
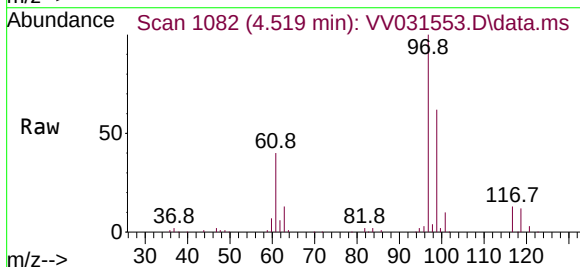
Instrument :
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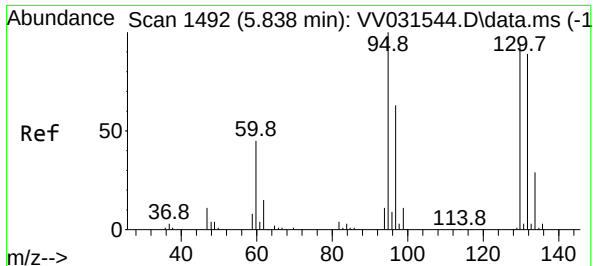
Tgt Ion: 96 Resp: 55677
 Ion Ratio Lower Upper
 96 100
 61 137.7 98.6 183.0
 98 65.1 45.7 84.9



#30
 1,1,1-Trichloroethane
 Concen: 41.167 ug/L
 RT: 4.519 min Scan# 1082
 Delta R.T. 0.000 min
 Lab File: VV031553.D
 Acq: 16 Jun 2023 01:01

Tgt Ion: 97 Resp: 158500
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.8 77.6
 61 40.0 33.0 49.6



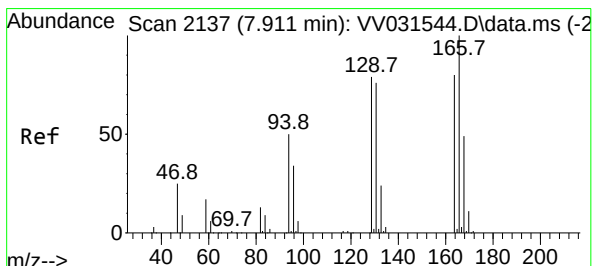
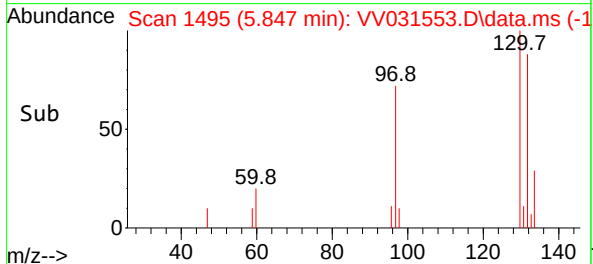
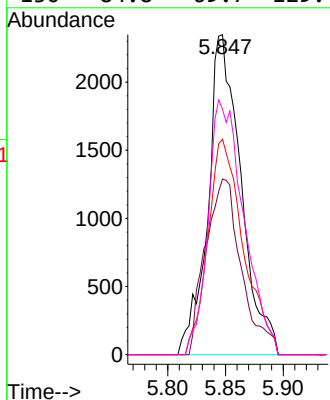
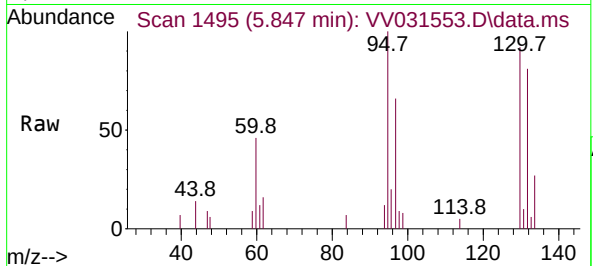


#34
Trichloroethene
Concen: 2.184 ug/L
RT: 5.847 min Scan# 1495
Delta R.T. 0.010 min
Lab File: VV031553.D
Acq: 16 Jun 2023 01:01

Instrument :
MSVOA_V
ClientSampleId :
EXYX4

Tgt Ion: 95 Resp: 4667

Ion	Ratio	Lower	Upper
95	100		
97	62.7	46.8	86.8
132	72.5	66.4	123.2
130	84.8	69.7	129.4



#46
Tetrachloroethene
Concen: 3.897 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031553.D
Acq: 16 Jun 2023 01:01

Tgt Ion: 164 Resp: 6534

Ion	Ratio	Lower	Upper
164	100		
129	103.5	68.4	127.0
131	93.4	67.6	125.6
166	131.9	91.3	169.5

