

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031547.D
 Acq On : 15 Jun 2023 22:42
 Operator : SY/MD
 Sample : 03249-21
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYW1

Quant Time: Jun 16 06:17:43 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)

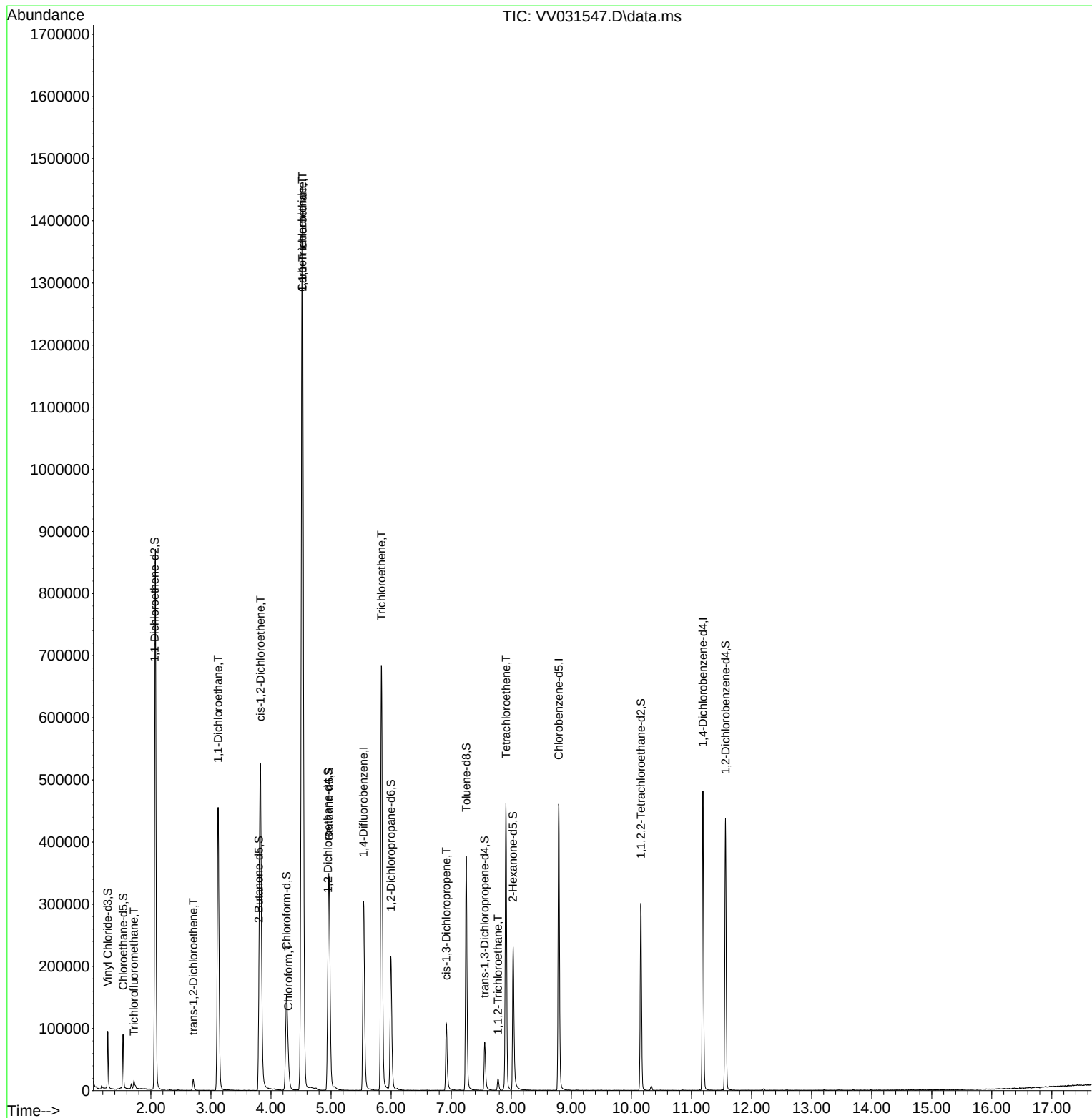
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	251861	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	243474	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	119135	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	60451	36.064	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.120%
7) Chloroethane-d5	1.539	69	56897	38.902	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.800%
11) 1,1-Dichloroethene-d2	2.066	65	32405	37.510	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.020%
21) 2-Butanone-d5	3.799	46	117865	86.839	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.840%
24) Chloroform-d	4.259	84	163076	38.847	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.700%
26) 1,2-Dichloroethane-d4	4.950	65	110964	42.248	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.500%
32) Benzene-d6	4.970	84	297053	43.345	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.680%
36) 1,2-Dichloropropane-d6	5.995	67	107581	44.290	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.580%
41) Toluene-d8	7.249	98	251642	40.013	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.020%
43) trans-1,3-Dichloroprop...	7.558	79	48516	40.972	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.940%
47) 2-Hexanone-d5	8.030	63	83506	87.071	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.070%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	148120	40.400	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	108017	47.565	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.140%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	1.719	101	7694	1.851	ug/L	100
17) trans-1,2-Dichloroethene	2.706	96	6448	3.315	ug/L	93
19) 1,1-Dichloroethane	3.121	63	470064	111.961	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	269149	128.029	ug/L	99
25) Chloroform	4.291	83	29854	6.840	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	1234676	316.291	ug/L	99
31) Carbon tetrachloride	4.519	117	147419	42.622	ug/L	99
34) Trichloroethene	5.838	95	253066	116.830	ug/L	98
39) cis-1,3-Dichloropropene	6.918	75	3056	0.865	ug/L	86
45) 1,1,2-Trichloroethane	7.780	97	5665	2.519	ug/L	93
46) Tetrachloroethene	7.912	164	100978	59.396	ug/L	98

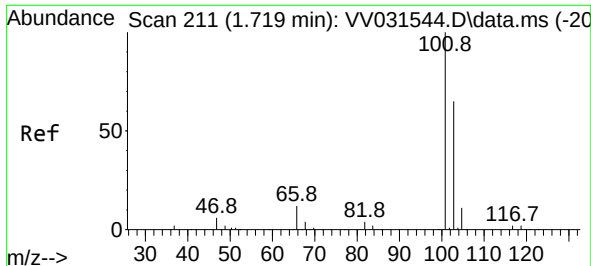
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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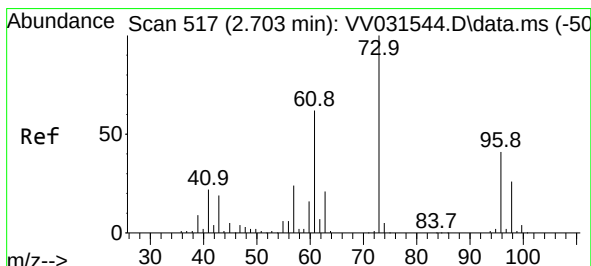
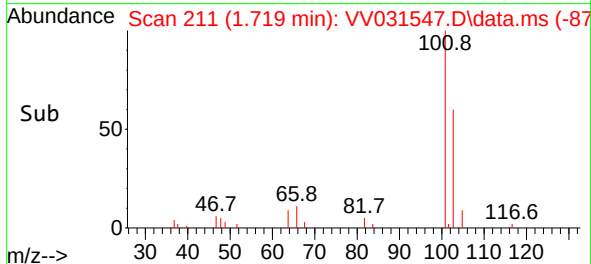
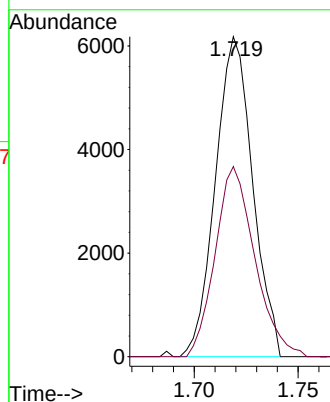
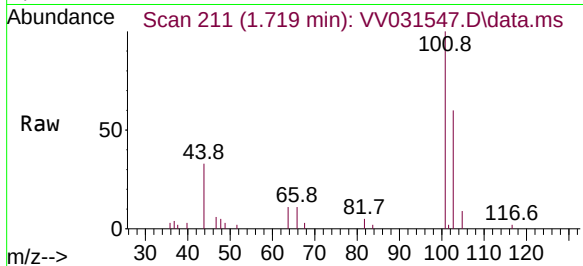




#9
 Trichlorofluoromethane
 Concen: 1.851 ug/L
 RT: 1.719 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VV031547.D
 Acq: 15 Jun 2023 22:42

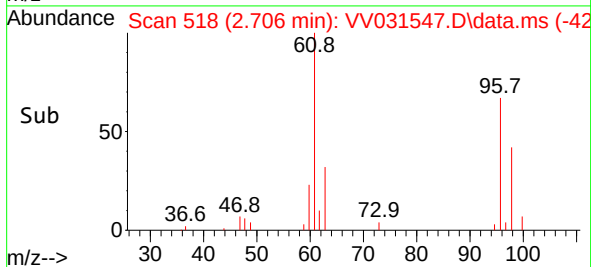
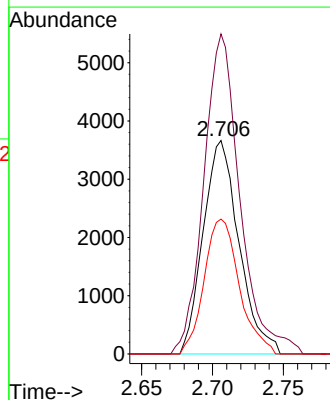
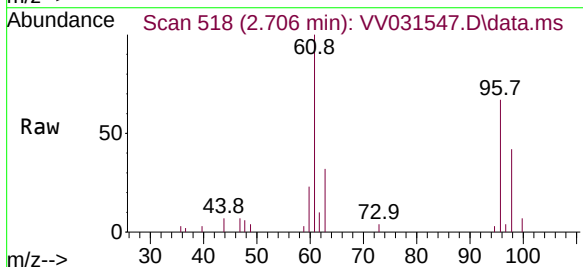
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYW1

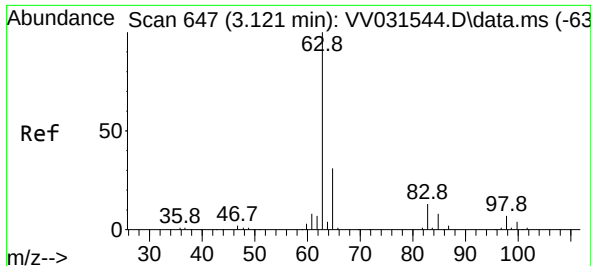
Tgt Ion:101 Resp: 7694
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.9 76.3



#17
 trans-1,2-Dichloroethene
 Concen: 3.315 ug/L
 RT: 2.706 min Scan# 518
 Delta R.T. 0.003 min
 Lab File: VV031547.D
 Acq: 15 Jun 2023 22:42

Tgt Ion: 96 Resp: 6448
 Ion Ratio Lower Upper
 96 100
 61 156.8 102.5 190.3
 98 59.9 44.1 81.9





#19

1,1-Dichloroethane

Concen: 111.961 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.000 min

Lab File: VV031547.D

Acq: 15 Jun 2023 22:42

Instrument :

MSVOA_V

ClientSampleId :

EXYW1

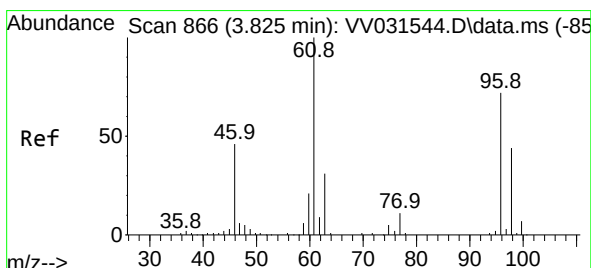
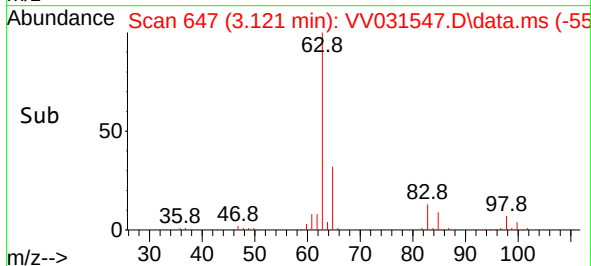
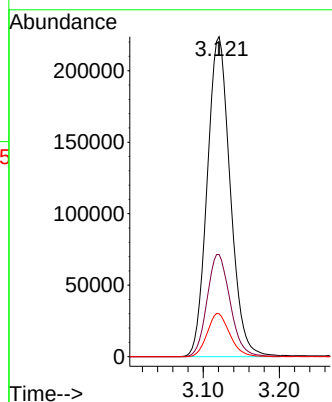
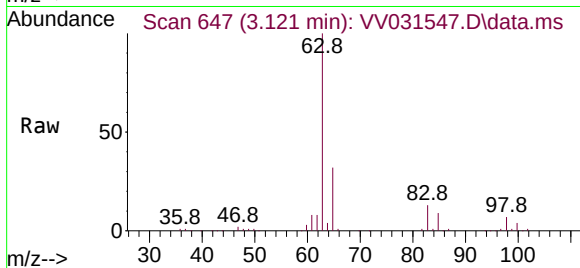
Tgt Ion: 63 Resp: 470064

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

83 13.4 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 128.029 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.000 min

Lab File: VV031547.D

Acq: 15 Jun 2023 22:42

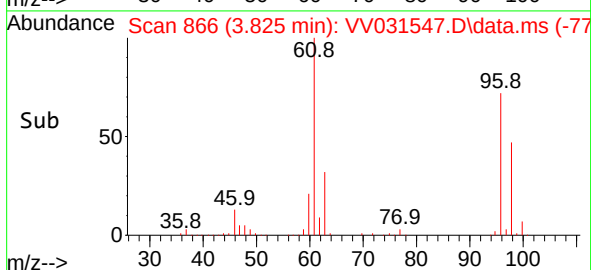
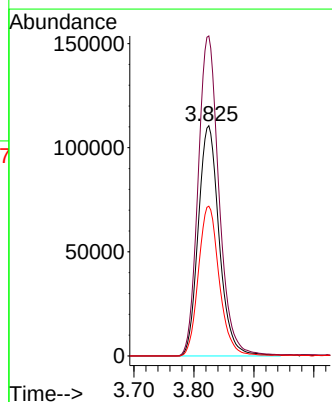
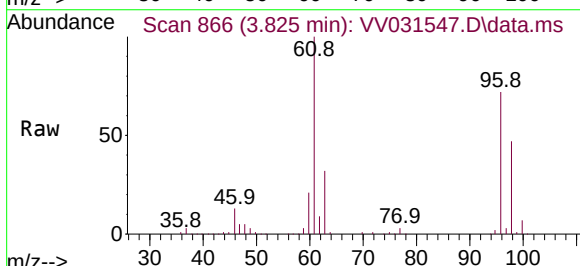
Tgt Ion: 96 Resp: 269149

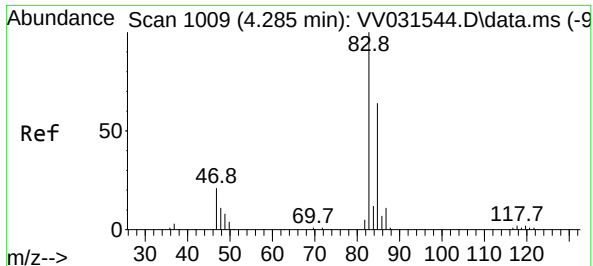
Ion Ratio Lower Upper

96 100

61 139.0 98.6 183.0

98 65.1 45.7 84.9





#25

Chloroform

Concen: 6.840 ug/L

RT: 4.291 min Scan# 1009

Delta R.T. 0.006 min

Lab File: VV031547.D

Acq: 15 Jun 2023 22:42

Instrument :

MSVOA_V

ClientSampleId :

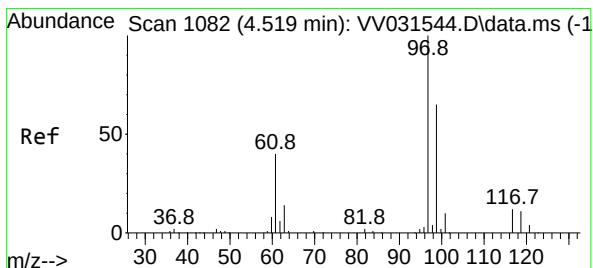
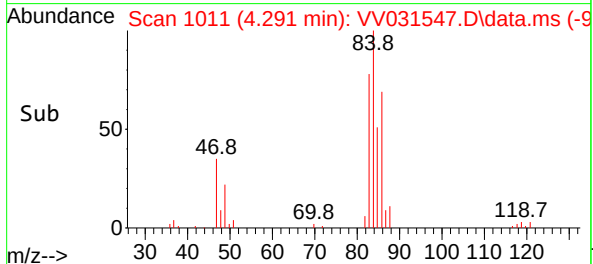
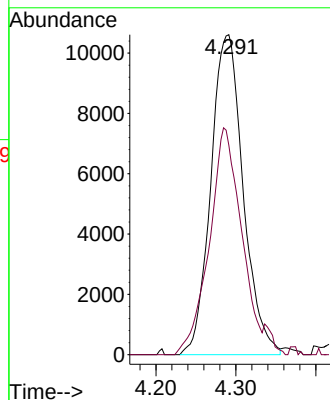
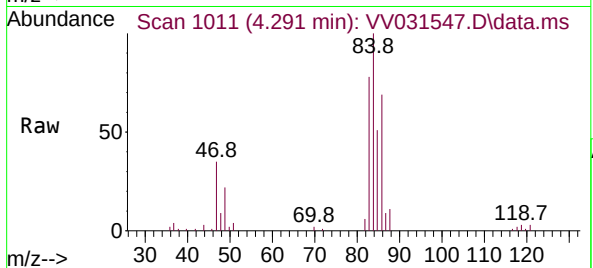
EXYW1

Tgt Ion: 83 Resp: 29854

Ion Ratio Lower Upper

83 100

85 65.5 45.3 84.1



#30

1,1,1-Trichloroethane

Concen: 316.291 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031547.D

Acq: 15 Jun 2023 22:42

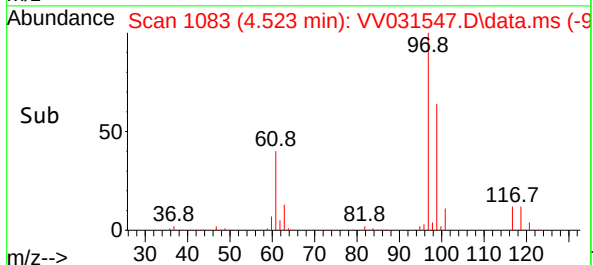
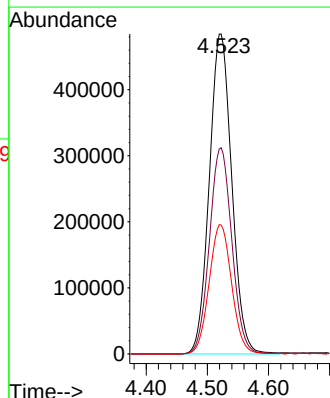
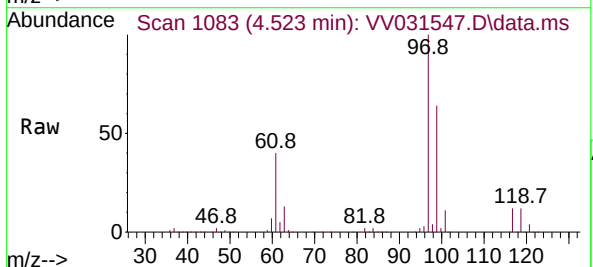
Tgt Ion: 97 Resp: 1234676

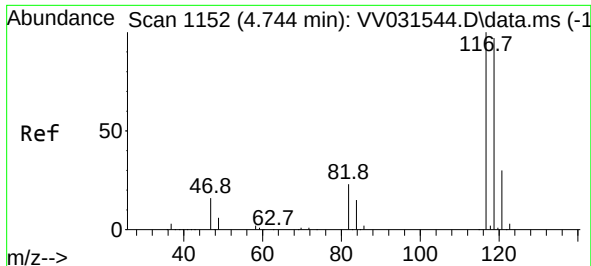
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 40.5 33.0 49.6

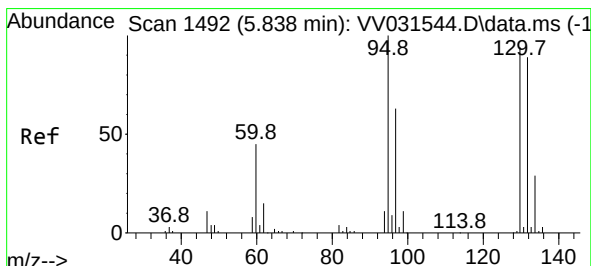
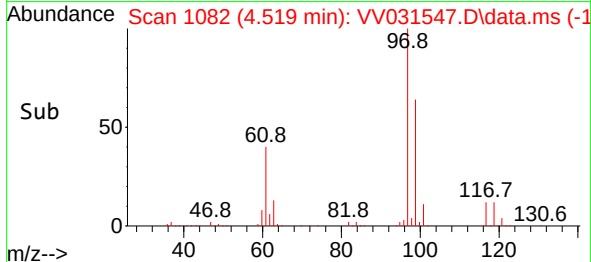
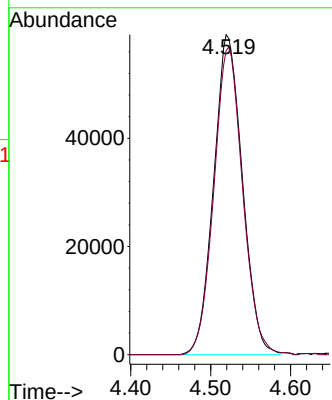
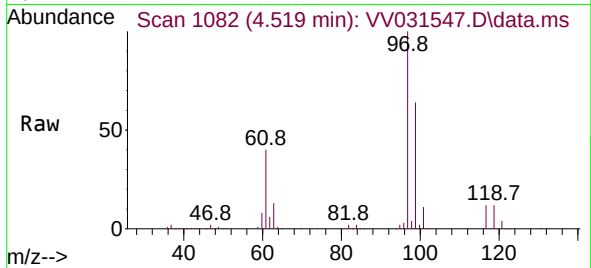




#31
Carbon tetrachloride
Concen: 42.622 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. -0.225 min
Lab File: VV031547.D
Acq: 15 Jun 2023 22:42

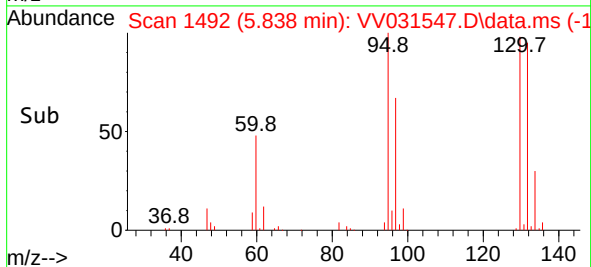
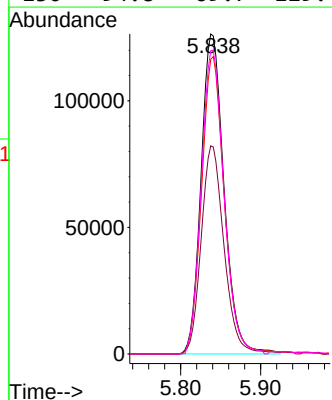
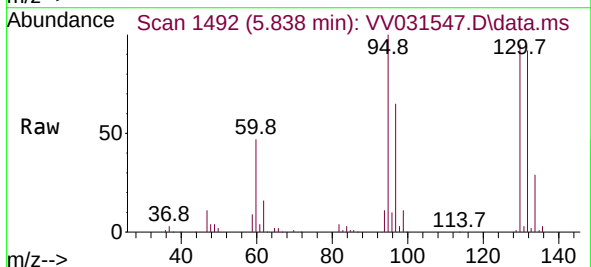
Instrument :
MSVOA_V
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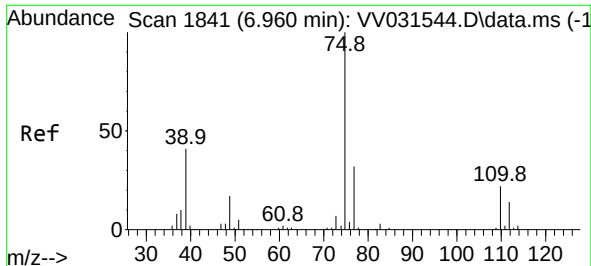
Tgt Ion:117 Resp: 147419
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.4



#34
Trichloroethene
Concen: 116.830 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031547.D
Acq: 15 Jun 2023 22:42

Tgt Ion: 95 Resp: 253066
Ion Ratio Lower Upper
95 100
97 65.1 46.8 86.8
132 94.5 66.4 123.2
130 94.8 69.7 129.4





#39

cis-1,3-Dichloropropene

Concen: 0.865 ug/L

RT: 6.918 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV031547.D

Acq: 15 Jun 2023 22:42

Instrument :

MSVOA_V

ClientSampleId :

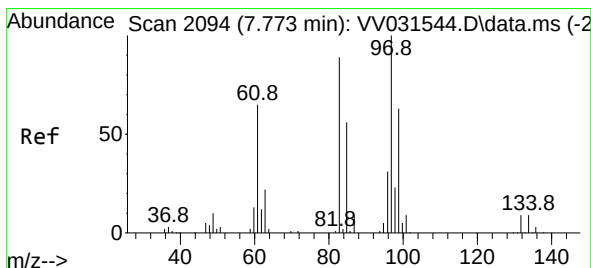
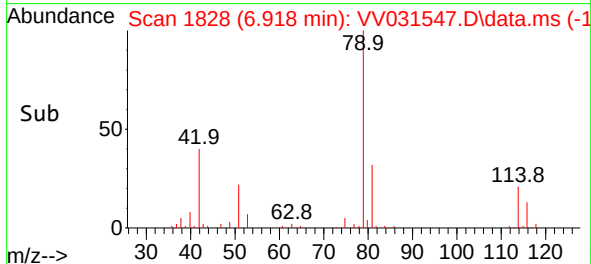
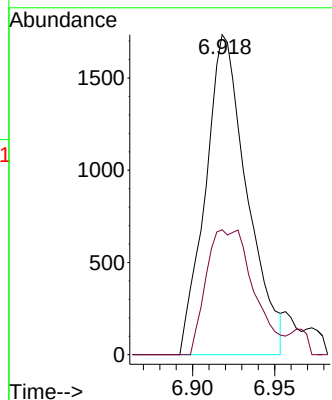
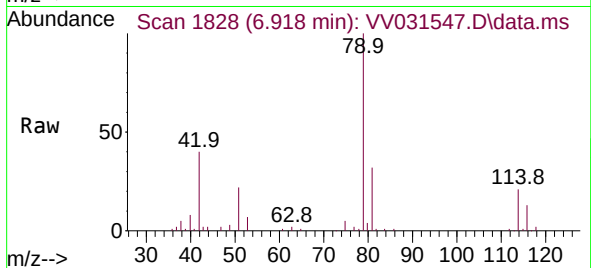
EXYW1

Tgt Ion: 75 Resp: 3056

Ion Ratio Lower Upper

75 100

77 39.1 21.8 40.6



#45

1,1,2-Trichloroethane

Concen: 2.519 ug/L

RT: 7.780 min Scan# 2096

Delta R.T. 0.006 min

Lab File: VV031547.D

Acq: 15 Jun 2023 22:42

Tgt Ion: 97 Resp: 5665

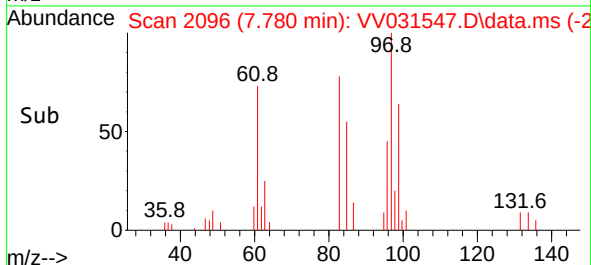
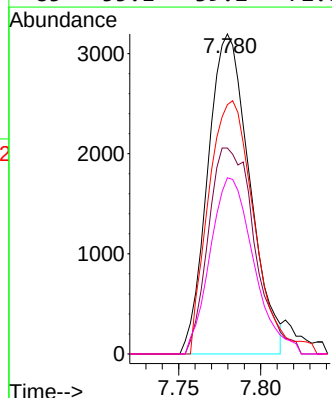
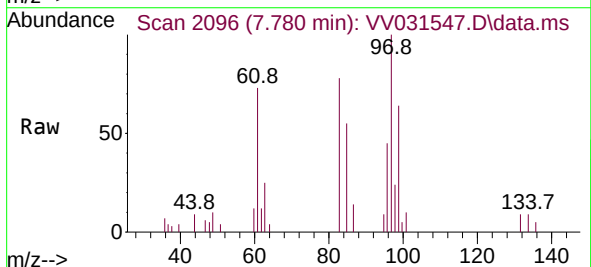
Ion Ratio Lower Upper

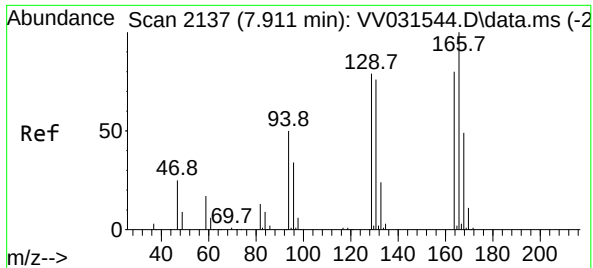
97 100

99 69.1 43.7 81.1

83 77.9 60.9 113.1

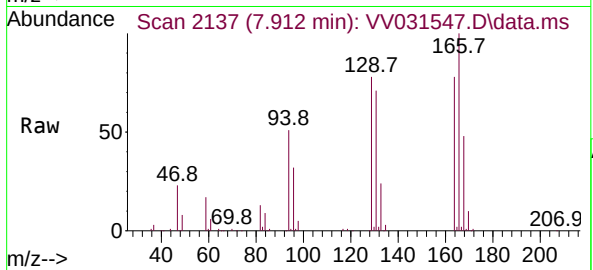
85 55.1 39.2 72.8





#46
 Tetrachloroethene
 Concen: 59.396 ug/L
 RT: 7.912 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031547.D
 Acq: 15 Jun 2023 22:42

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYW1



Tgt Ion:164 Resp: 100978

Ion	Ratio	Lower	Upper
164	100		
129	99.4	68.4	127.0
131	91.4	67.6	125.6
166	131.3	91.3	169.5

