

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041023\
 Data File : VV030476.D
 Acq On : 10 Apr 2023 18:37
 Operator : SY/MD
 Sample : 02254-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA7

Quant Time: Apr 11 06:31:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 11 06:24:59 2023
 Response via : Initial Calibration

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

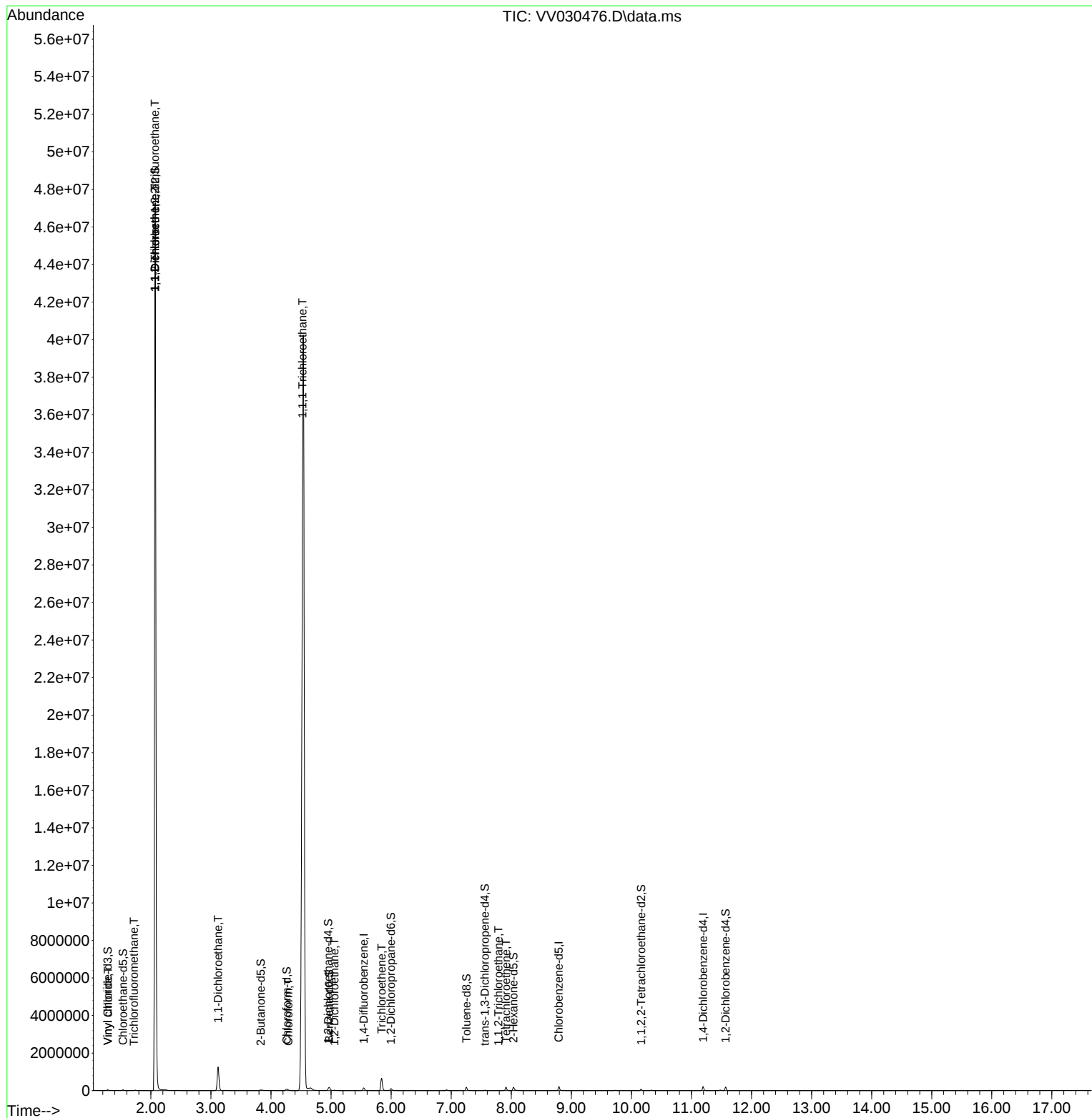
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	120642	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	119162	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	57535	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	26484	3.315	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	66.200%	
7) Chloroethane-d5	1.535	69	30110	3.883	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	77.600%	
11) 1,1-Dichloroethene-d2	2.072	63	9024779	475.988	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	9519.800%#	
20) 2-Butanone-d5	3.828	46	87246	42.245	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	84.500%	
24) Chloroform-d	4.262	84	84186	4.353	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.000%	
26) 1,2-Dichloroethane-d4	4.953	65	42728	4.683	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.600%	
32) Benzene-d6	4.969	84	150036	4.468	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.400%	
36) 1,2-Dichloropropane-d6	5.998	67	47418	4.511	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	90.200%	
41) Toluene-d8	7.252	98	119825	3.886	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	77.800%	
43) trans-1,3-Dichloroprop...	7.561	79	15534	3.925	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	78.400%	
46) 2-Hexanone-d5	8.037	63	67189	42.244	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	84.480%	
56) 1,1,2,2-Tetrachloroeth...	10.162	84	34568	4.172	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	83.400%	
66) 1,2-Dichlorobenzene-d4	11.570	152	48599	4.726	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	94.600%	
Target Compounds						
5) Vinyl chloride	1.285	62	5942	0.421	ug/L	89
9) Trichlorofluoromethane	1.719	101	2315	0.113	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	39434	3.474	ug/L #	31
12) 1,1-Dichloroethene	2.069	96	13832841	1372.277	ug/L #	41
19) 1,1-Dichloroethane	3.121	63	1215757	59.054	ug/L	98
25) Chloroform	4.291	83	12791	0.615	ug/L	97
27) 1,2-Dichloroethane	5.056	62	16317	1.297	ug/L	97
29) 1,1,1-Trichloroethane	4.526	97	27496289m	1435.632	ug/L	
34) Trichloroethene	5.841	95	223200	19.554	ug/L	99
45) 1,1,2-Trichloroethane	7.786	97	1384	0.181	ug/L	87
47) Tetrachloroethene	7.915	164	41432	4.113	ug/L	97

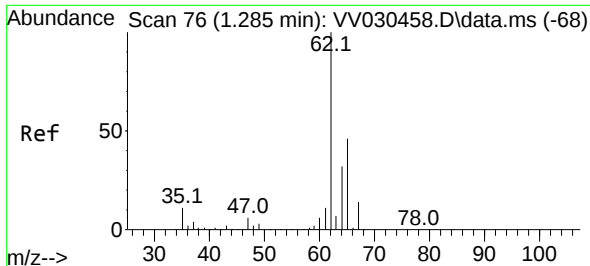
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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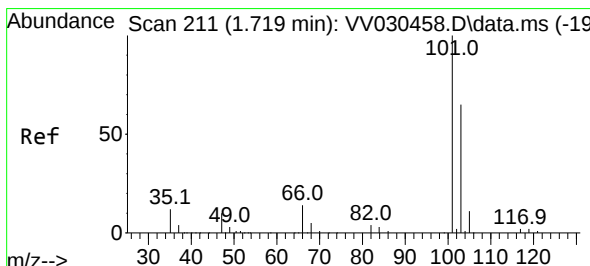
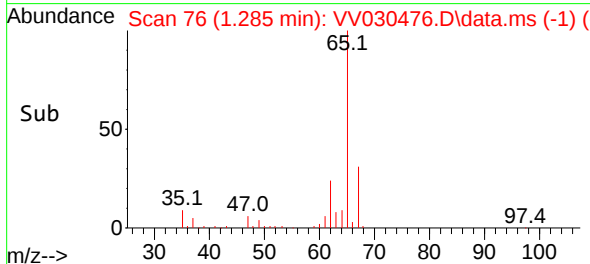
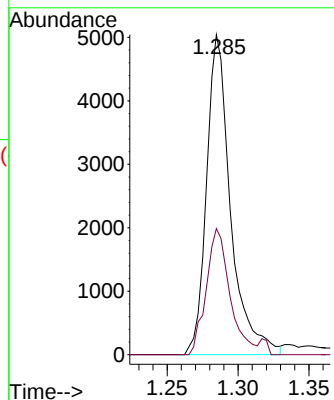
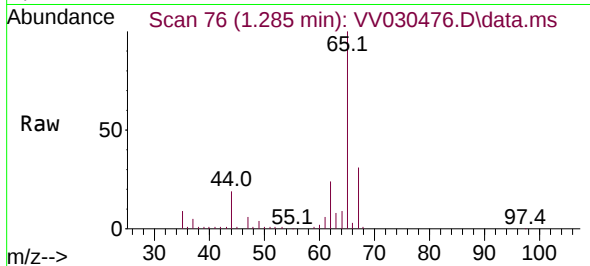




#5
 Vinyl chloride
 Concen: 0.421 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030476.D
 Acq: 10 Apr 2023 18:37

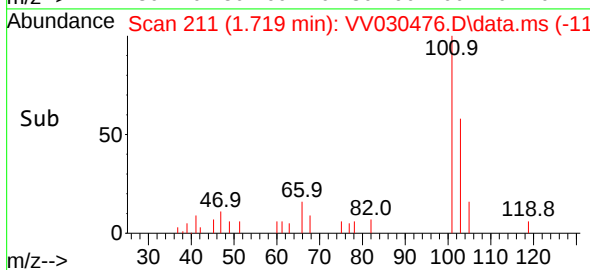
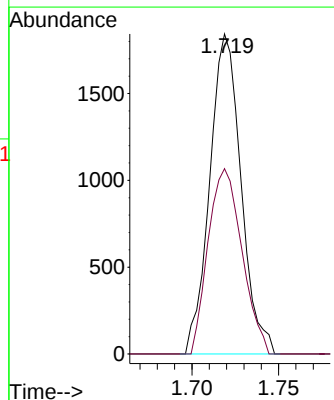
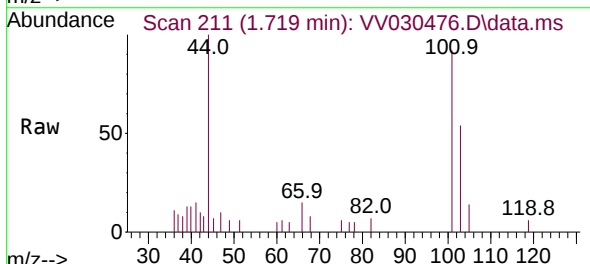
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA7

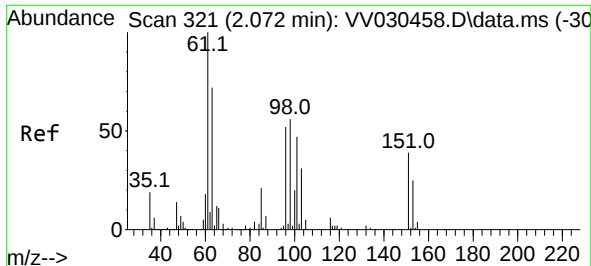
Tgt Ion: 62 Resp: 5942
 Ion Ratio Lower Upper
 62 100
 64 39.4 23.2 43.2



#9
 Trichlorofluoromethane
 Concen: 0.113 ug/L
 RT: 1.719 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VV030476.D
 Acq: 10 Apr 2023 18:37

Tgt Ion: 101 Resp: 2315
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.0 76.6

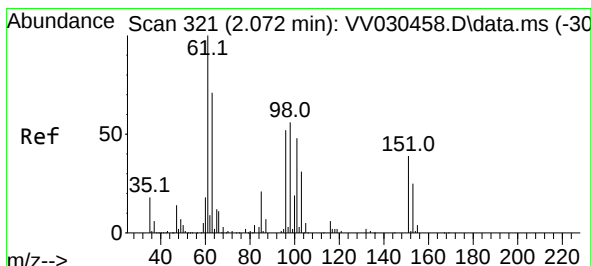
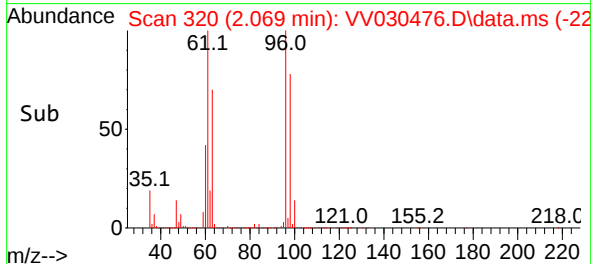
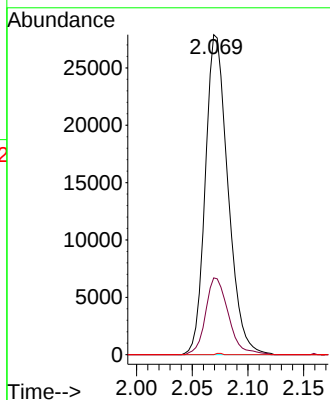
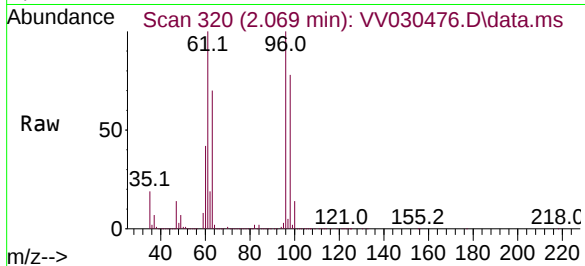




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.474 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV030476.D
 Acq: 10 Apr 2023 18:37

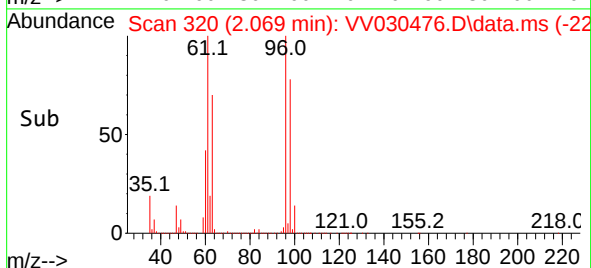
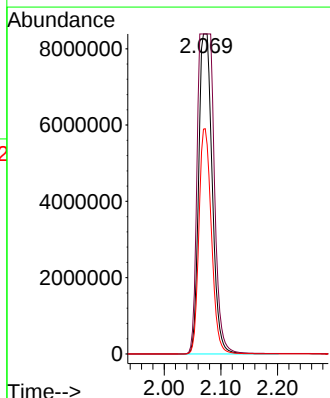
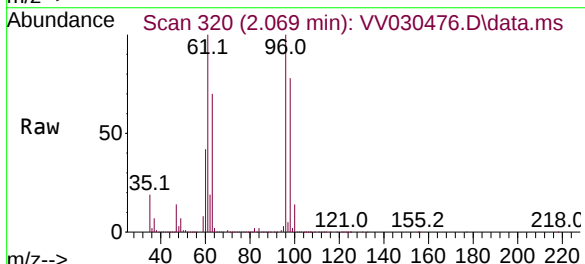
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA7

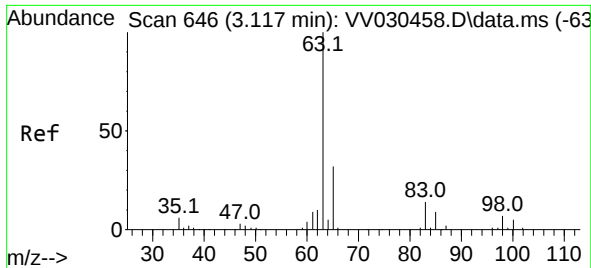
Tgt Ion:101 Resp: 39434
 Ion Ratio Lower Upper
 101 100
 85 24.2 38.1 57.1#
 151 0.1 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 1372.277 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV030476.D
 Acq: 10 Apr 2023 18:37

Tgt Ion: 96 Resp:13832841
 Ion Ratio Lower Upper
 96 100
 61 100.0 136.3 253.1#
 63 70.3 92.1 171.1#

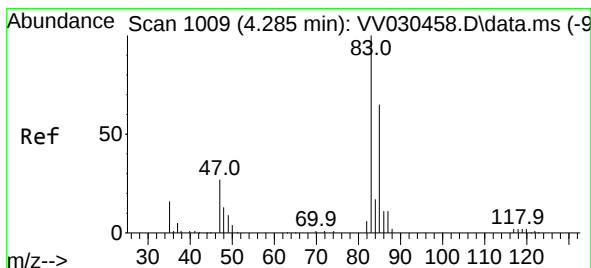
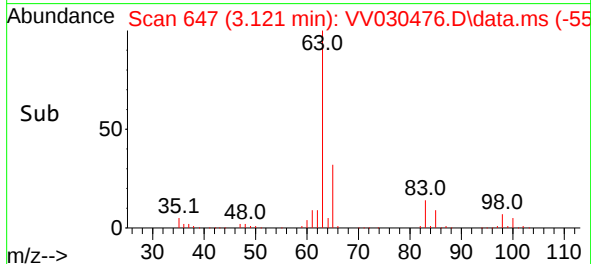
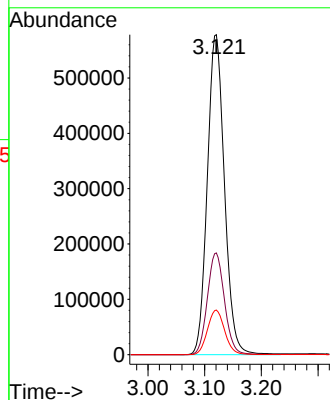
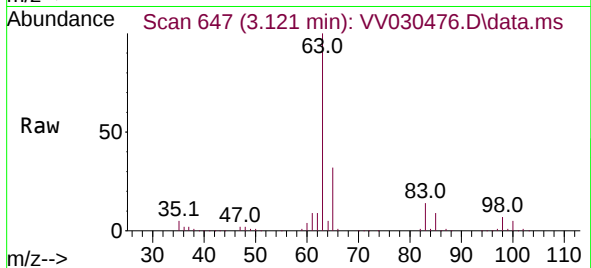




#19
1,1-Dichloroethane
Concen: 59.054 ug/L
RT: 3.121 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV030476.D
Acq: 10 Apr 2023 18:37

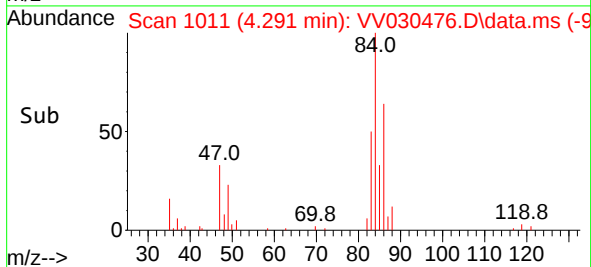
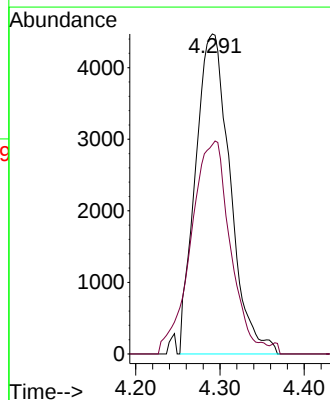
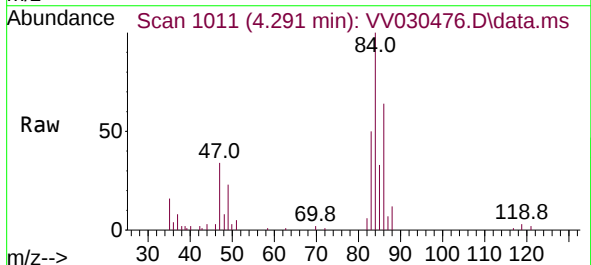
Instrument :
MSVOA_V
ClientSampleId :
C0AA7

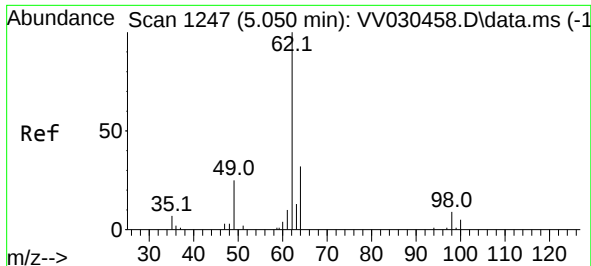
Tgt Ion: 63 Resp: 1215757
Ion Ratio Lower Upper
63 100
65 31.8 21.7 40.3
83 13.9 9.1 16.9



#25
Chloroform
Concen: 0.615 ug/L
RT: 4.291 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VV030476.D
Acq: 10 Apr 2023 18:37

Tgt Ion: 83 Resp: 12791
Ion Ratio Lower Upper
83 100
85 65.4 47.6 88.4





#27

1,2-Dichloroethane

Concen: 1.297 ug/L

RT: 5.056 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV030476.D

Acq: 10 Apr 2023 18:37

Instrument :

MSVOA_V

ClientSampleId :

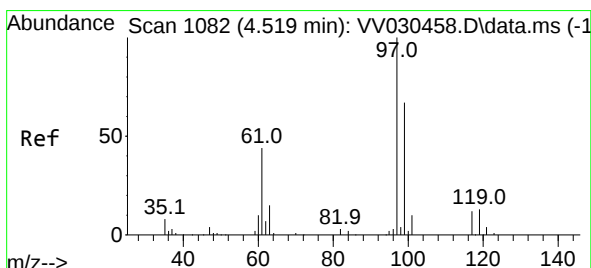
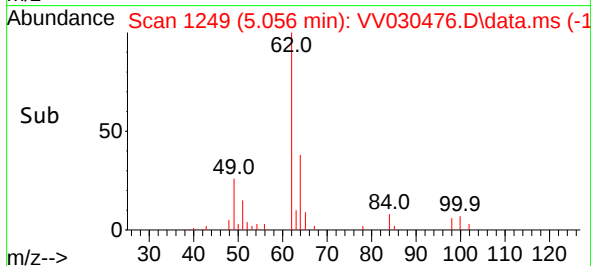
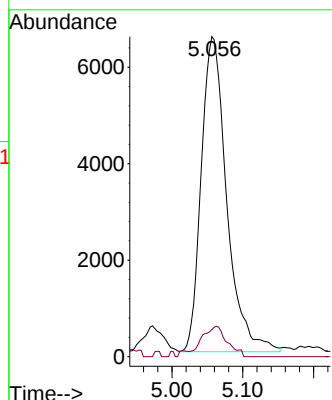
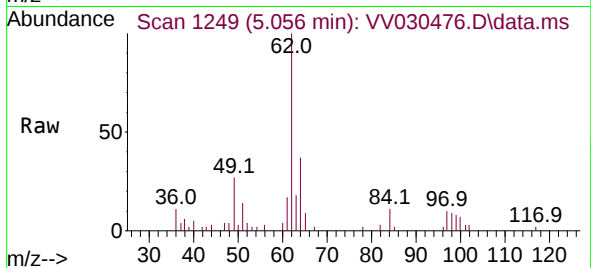
C0AA7

Tgt Ion: 62 Resp: 16317

Ion Ratio Lower Upper

62 100

98 8.5 7.8 11.8



#29

1,1,1-Trichloroethane

Concen: 1435.632 ug/L m

RT: 4.526 min Scan# 1084

Delta R.T. 0.006 min

Lab File: VV030476.D

Acq: 10 Apr 2023 18:37

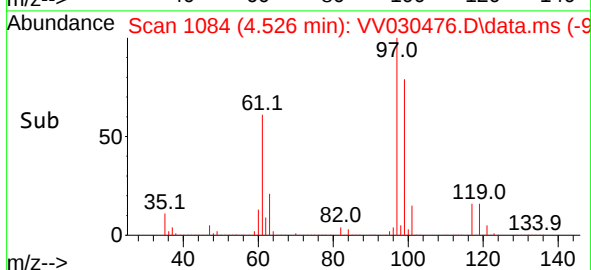
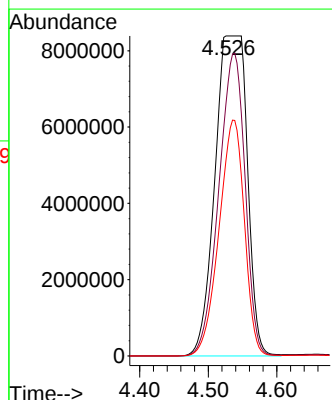
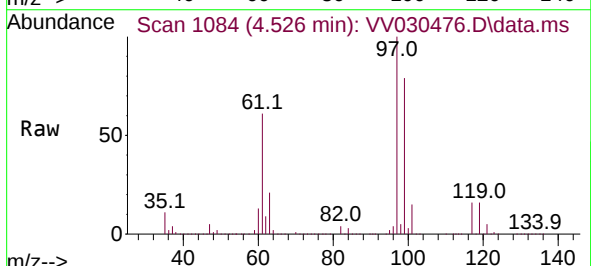
Tgt Ion: 97 Resp: 27496289

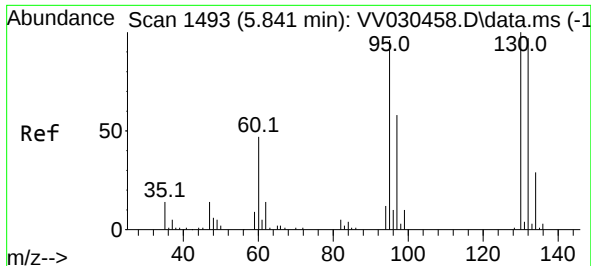
Ion Ratio Lower Upper

97 100

99 0.0 50.9 76.3#

61 0.0 35.9 53.9#



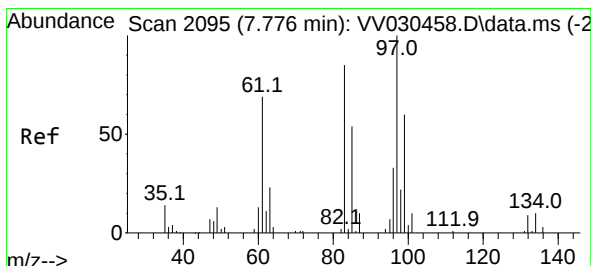
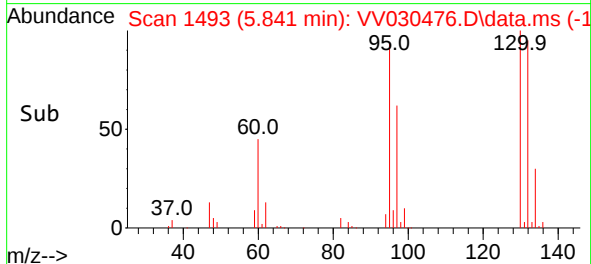
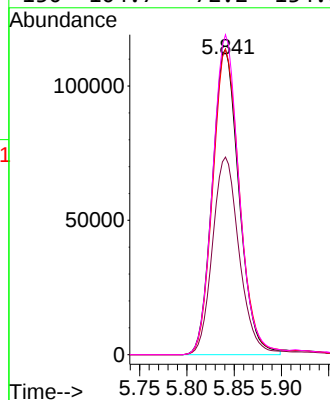
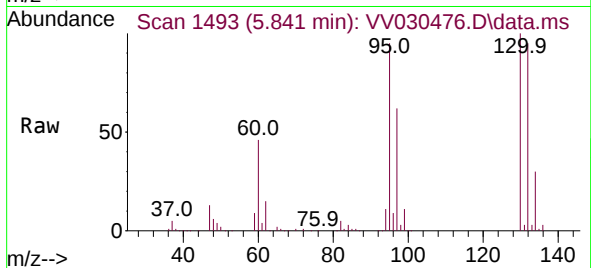


#34
Trichloroethene
Concen: 19.554 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV030476.D
Acq: 10 Apr 2023 18:37

Instrument :
MSVOA_V
ClientSampleId :
C0AA7

Tgt Ion: 95 Resp: 223200

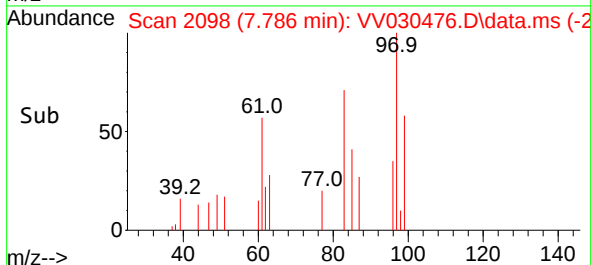
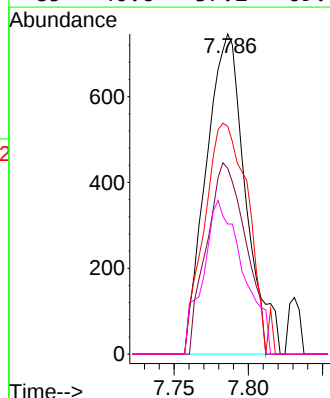
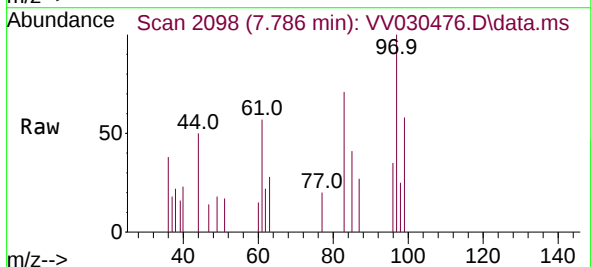
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.2	82.2
132	100.0	69.5	129.1
130	104.7	72.2	134.0

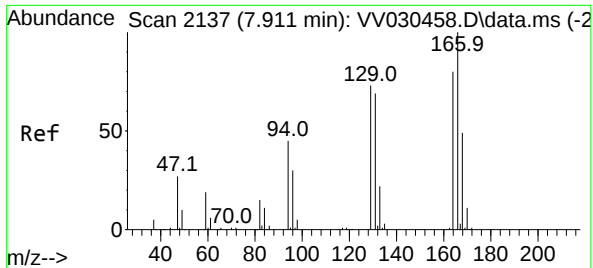


#45
1,1,2-Trichloroethane
Concen: 0.181 ug/L
RT: 7.786 min Scan# 2098
Delta R.T. 0.010 min
Lab File: VV030476.D
Acq: 10 Apr 2023 18:37

Tgt Ion: 97 Resp: 1384

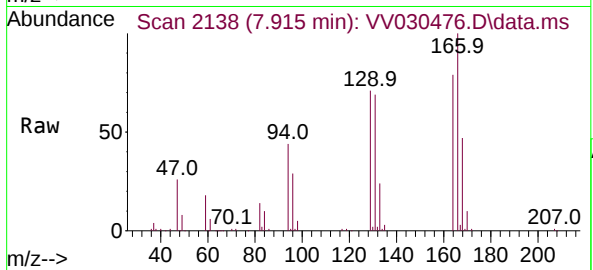
Ion	Ratio	Lower	Upper
97	100		
99	58.0	44.0	81.8
83	71.2	58.8	109.2
85	40.6	37.2	69.0





#47
 Tetrachloroethene
 Concen: 4.113 ug/L
 RT: 7.915 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV030476.D
 Acq: 10 Apr 2023 18:37

Instrument :
 MSVOA_V
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Tgt Ion:	164	Resp:	41432
Ion	Ratio	Lower	Upper
164	100		
129	90.1	60.8	112.8
131	87.5	61.7	114.7
166	126.1	85.6	159.0

