

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112022\
 Data File : VU051985.D
 Acq On : 20 Nov 2022 19:58
 Operator : JC/MD
 Sample : N5710-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY9

Quant Time: Nov 21 01:03:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

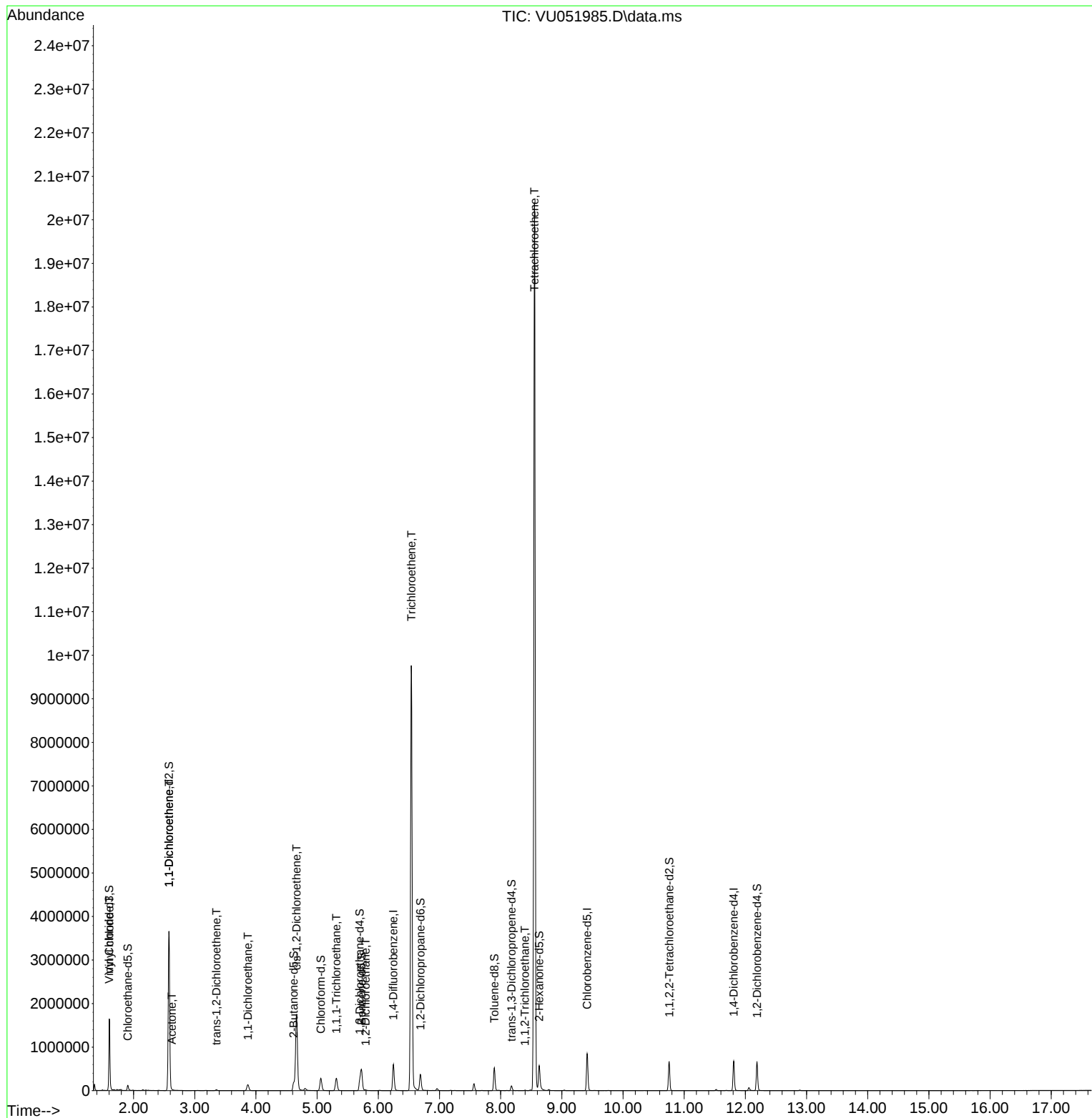
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	495527	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	490024	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	188423	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	96289	39.581	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.160%
7) Chloroethane-d5	1.906	69	102324	41.981	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.960%
11) 1,1-Dichloroethene-d2	2.578	63	764695	175.292	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	350.580%#
21) 2-Butanone-d5	4.617	46	261982	94.706	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.710%
24) Chloroform-d	5.060	84	268147	43.971	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.940%
26) 1,2-Dichloroethane-d4	5.697	65	171606	45.970	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.940%
32) Benzene-d6	5.726	84	477777	46.762	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.520%
36) 1,2-Dichloropropane-d6	6.687	67	188862	49.659	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.320%
41) Toluene-d8	7.896	98	362648	43.243	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.480%
43) trans-1,3-Dichloroprop...	8.176	79	62537	41.283	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.560%
47) 2-Hexanone-d5	8.629	63	195935	101.371	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.370%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	341571	46.146	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.300%
66) 1,2-Dichlorobenzene-d4	12.192	152	182011	54.890	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.780%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	1067007	254.618	ug/L	97
12) 1,1-Dichloroethene	2.578	96	1274267	431.506	ug/L #	83
13) Acetone	2.623	43	12774	4.316	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	8344	2.622	ug/L	96
19) 1,1-Dichloroethane	3.867	63	162275	25.054	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	949718	255.709	ug/L	100
27) 1,2-Dichloroethane	5.793	62	7365	1.475	ug/L #	94
30) 1,1,1-Trichloroethane	5.314	97	202052	40.784	ug/L	98
34) Trichloroethene	6.539	95	3422722	1024.957	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	3631	0.895	ug/L	96
46) Tetrachloroethene	8.552	164	4465784	1674.529	ug/L	98

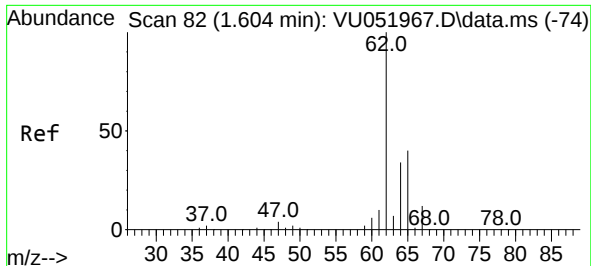
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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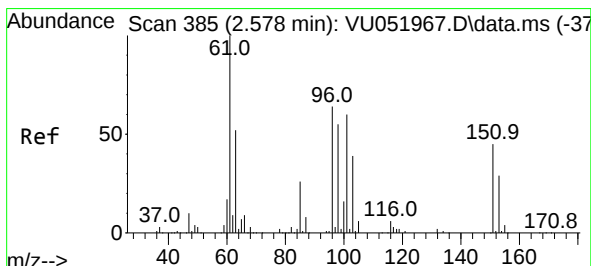
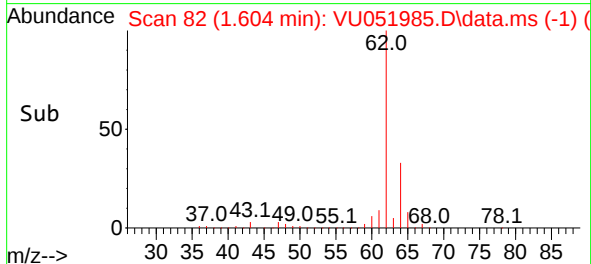
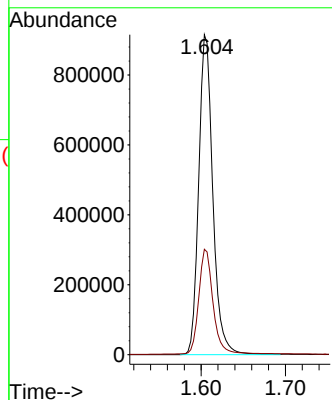
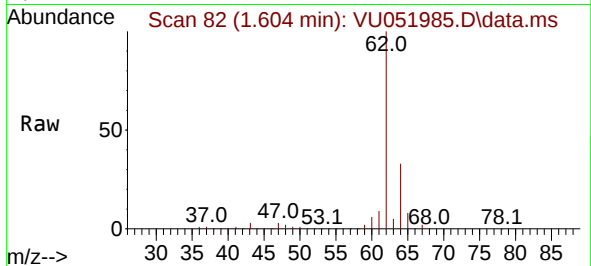




#5
 Vinyl chloride
 Concen: 254.618 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051985.D
 Acq: 20 Nov 2022 19:58

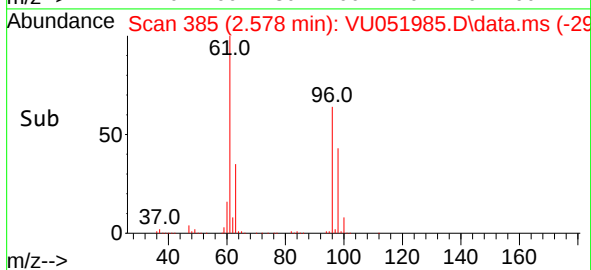
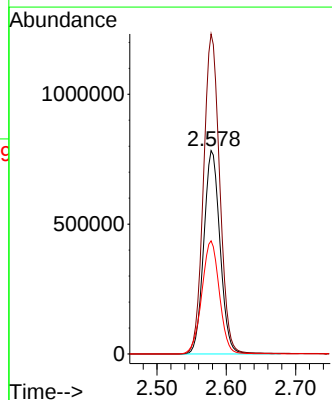
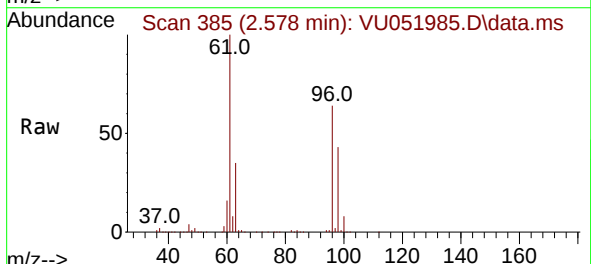
Instrument :
 MSVOA_U
 ClientSampleId :
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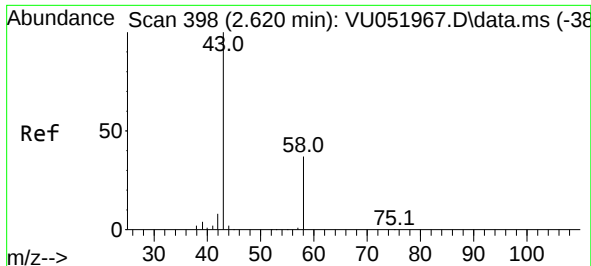
Tgt Ion: 62 Resp: 1067007
 Ion Ratio Lower Upper
 62 100
 64 32.9 24.3 45.1



#12
 1,1-Dichloroethene
 Concen: 431.506 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU051985.D
 Acq: 20 Nov 2022 19:58

Tgt Ion: 96 Resp: 1274267
 Ion Ratio Lower Upper
 96 100
 61 157.3 110.7 205.5
 63 55.6 68.6 127.4#





#13

Acetone

Concen: 4.316 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU051985.D

Acq: 20 Nov 2022 19:58

Instrument :

MSVOA_U

ClientSampleId :

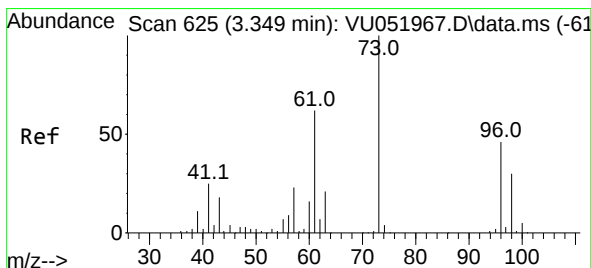
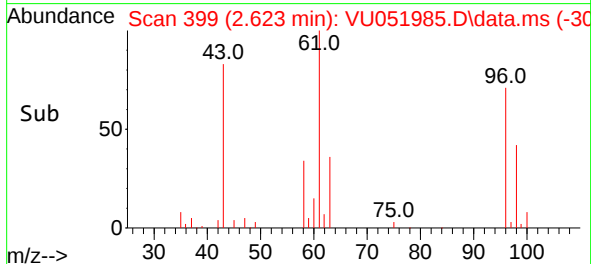
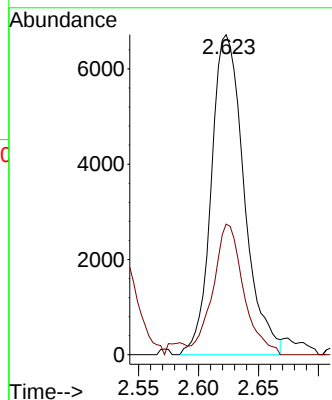
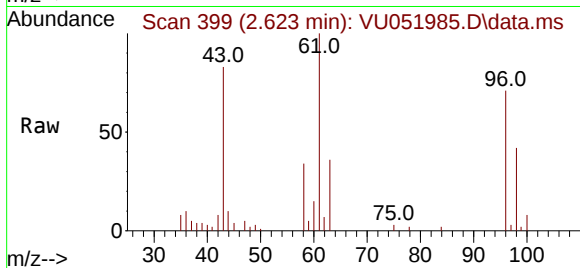
C0KY9

Tgt Ion: 43 Resp: 12774

Ion Ratio Lower Upper

43 100

58 38.2 0.0 75.4



#17

trans-1,2-Dichloroethene

Concen: 2.622 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.003 min

Lab File: VU051985.D

Acq: 20 Nov 2022 19:58

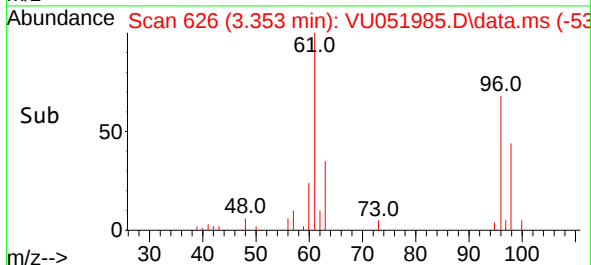
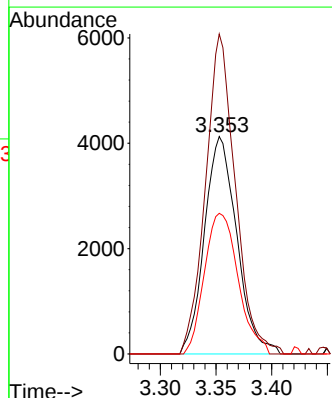
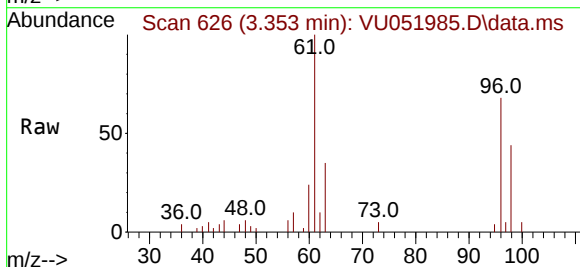
Tgt Ion: 96 Resp: 8344

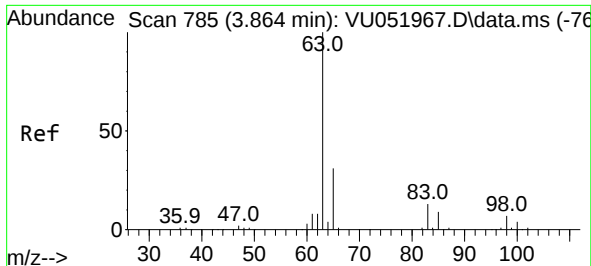
Ion Ratio Lower Upper

96 100

61 147.2 98.3 182.7

98 64.7 45.5 84.5

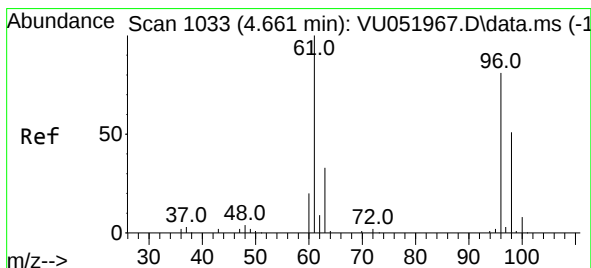
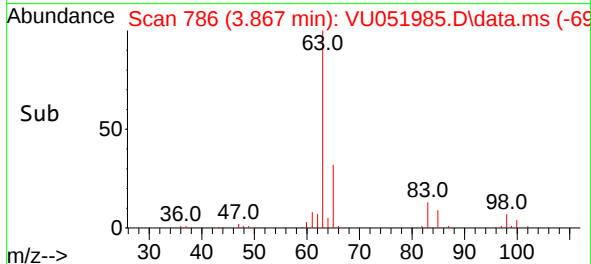
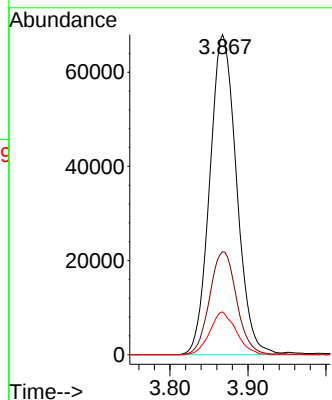
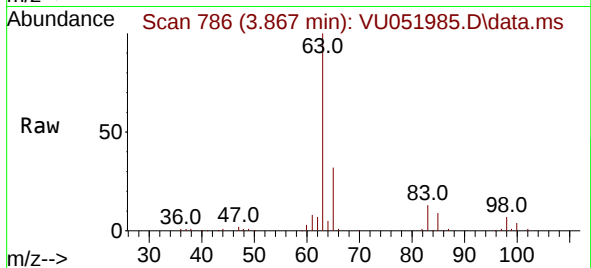




#19
1,1-Dichloroethane
Concen: 25.054 ug/L
RT: 3.867 min Scan# 785
Delta R.T. 0.003 min
Lab File: VU051985.D
Acq: 20 Nov 2022 19:58

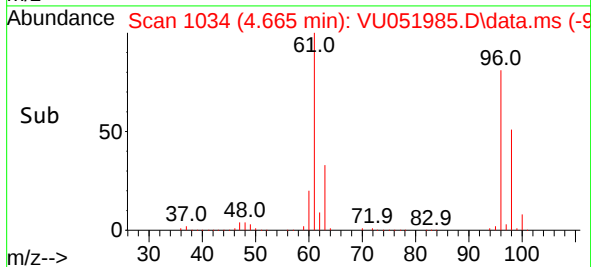
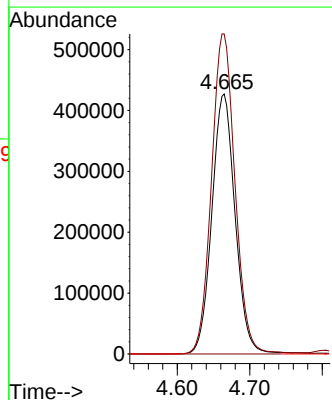
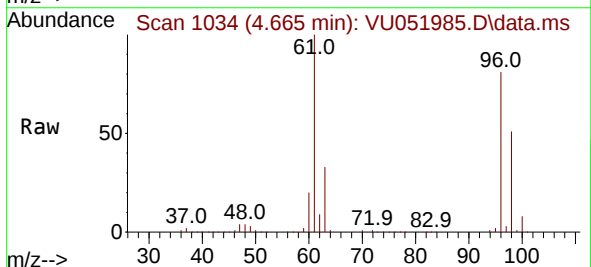
Instrument :
MSVOA_U
ClientSampleId :
C0KY9

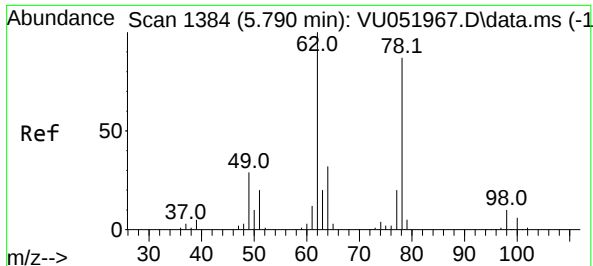
Tgt Ion: 63 Resp: 162275
Ion Ratio Lower Upper
63 100
65 32.2 22.2 41.2
83 13.4 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 255.709 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU051985.D
Acq: 20 Nov 2022 19:58

Tgt Ion: 96 Resp: 949718
Ion Ratio Lower Upper
96 100
61 123.0 86.0 159.8
68 0.0 0.0 0.0

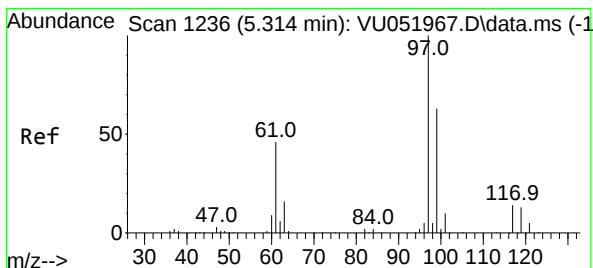
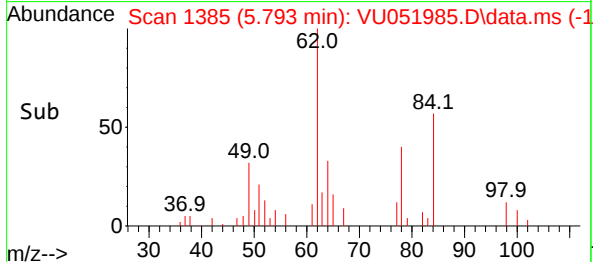
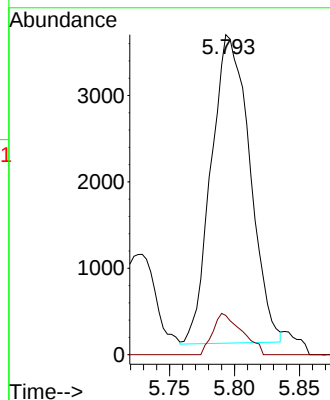
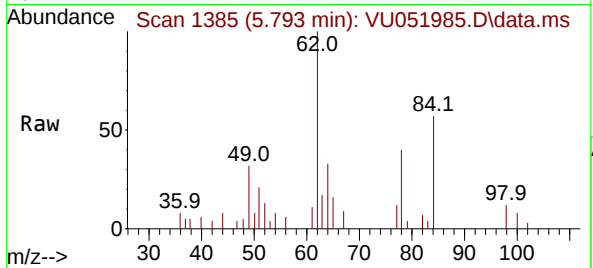




#27
 1,2-Dichloroethane
 Concen: 1.475 ug/L
 RT: 5.793 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VU051985.D
 Acq: 20 Nov 2022 19:58

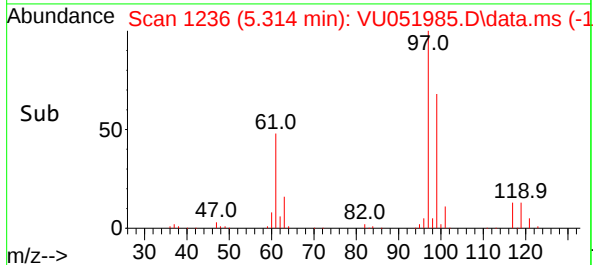
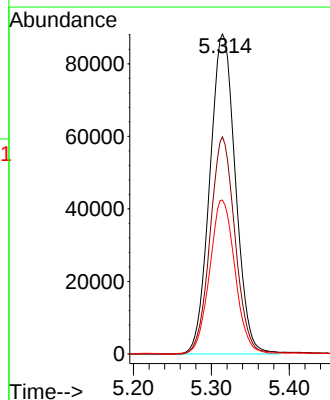
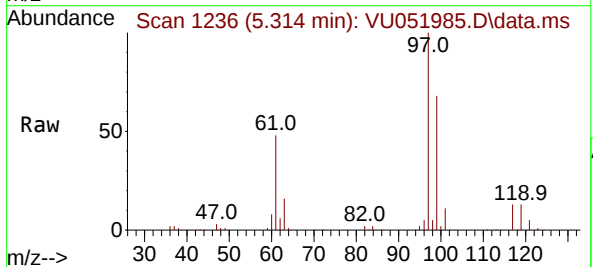
Instrument :
 MSVOA_U
 ClientSampleId :
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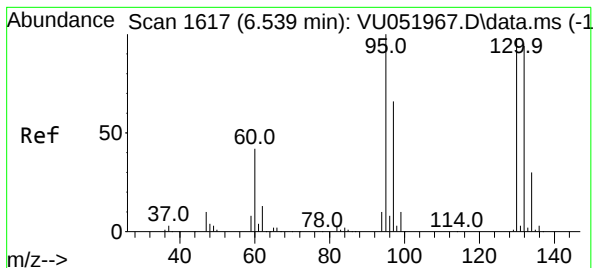
Tgt Ion: 62 Resp: 7365
 Ion Ratio Lower Upper
 62 100
 98 12.2 8.1 12.1#



#30
 1,1,1-Trichloroethane
 Concen: 40.784 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. -0.000 min
 Lab File: VU051985.D
 Acq: 20 Nov 2022 19:58

Tgt Ion: 97 Resp: 202052
 Ion Ratio Lower Upper
 97 100
 99 66.0 51.2 76.8
 61 47.6 37.4 56.2





#34

Trichloroethene

Concen: 1024.957 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051985.D

Acq: 20 Nov 2022 19:58

Instrument :

MSVOA_U

ClientSampleId :

C0KY9

Tgt Ion: 95 Resp: 3422722

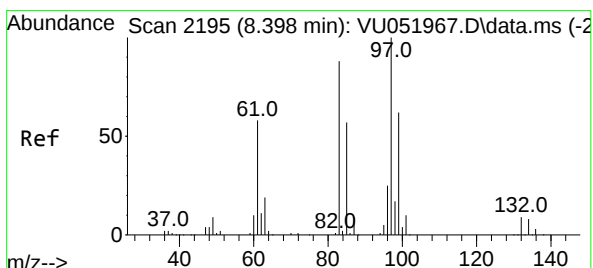
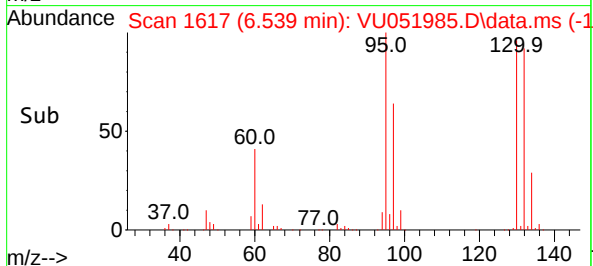
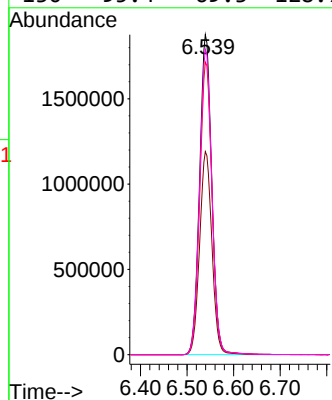
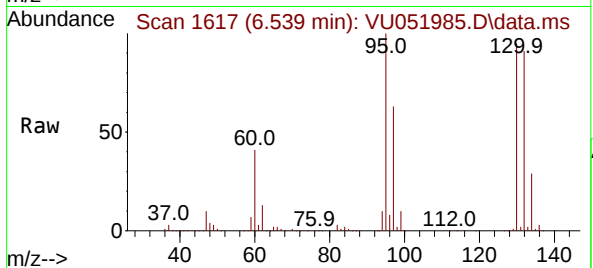
Ion Ratio Lower Upper

95 100

97 63.4 45.8 85.0

132 91.5 65.3 121.3

130 95.4 69.3 128.7



#45

1,1,2-Trichloroethane

Concen: 0.895 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.000 min

Lab File: VU051985.D

Acq: 20 Nov 2022 19:58

Tgt Ion: 97 Resp: 3631

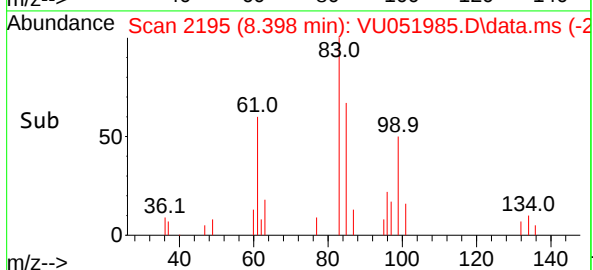
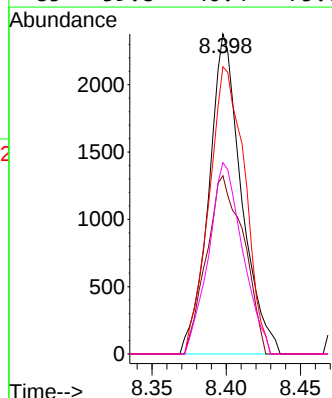
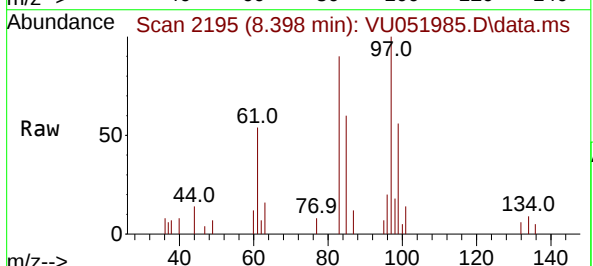
Ion Ratio Lower Upper

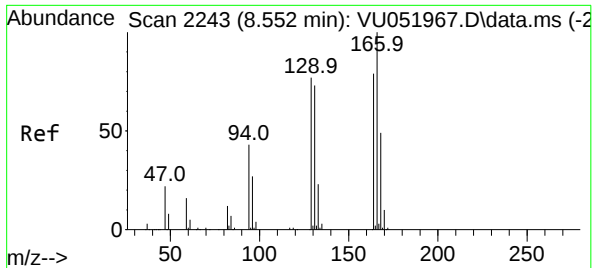
97 100

99 55.7 44.3 82.3

83 89.8 62.3 115.7

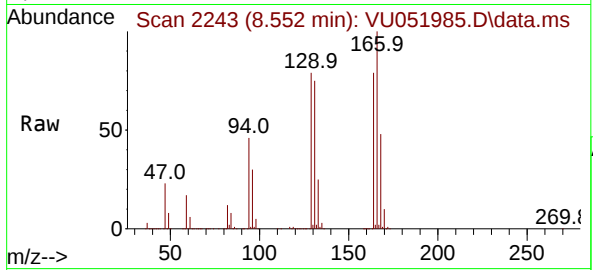
85 59.8 40.4 75.0





#46
 Tetrachloroethene
 Concen: 1674.529 ug/L
 RT: 8.552 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU051985.D
 Acq: 20 Nov 2022 19:58

Instrument :
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Tgt Ion:164 Resp: 4465784

Ion	Ratio	Lower	Upper
164	100		
129	100.2	68.5	127.1
131	95.7	66.6	123.8
166	126.9	91.9	170.7

