

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092222\
 Data File : VU050909.D
 Acq On : 22 Sep 2022 19:36
 Operator : JC/MD
 Sample : N4747-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45A6

Quant Time: Sep 23 01:13:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 23 01:08:30 2022
 Response via : Initial Calibration

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

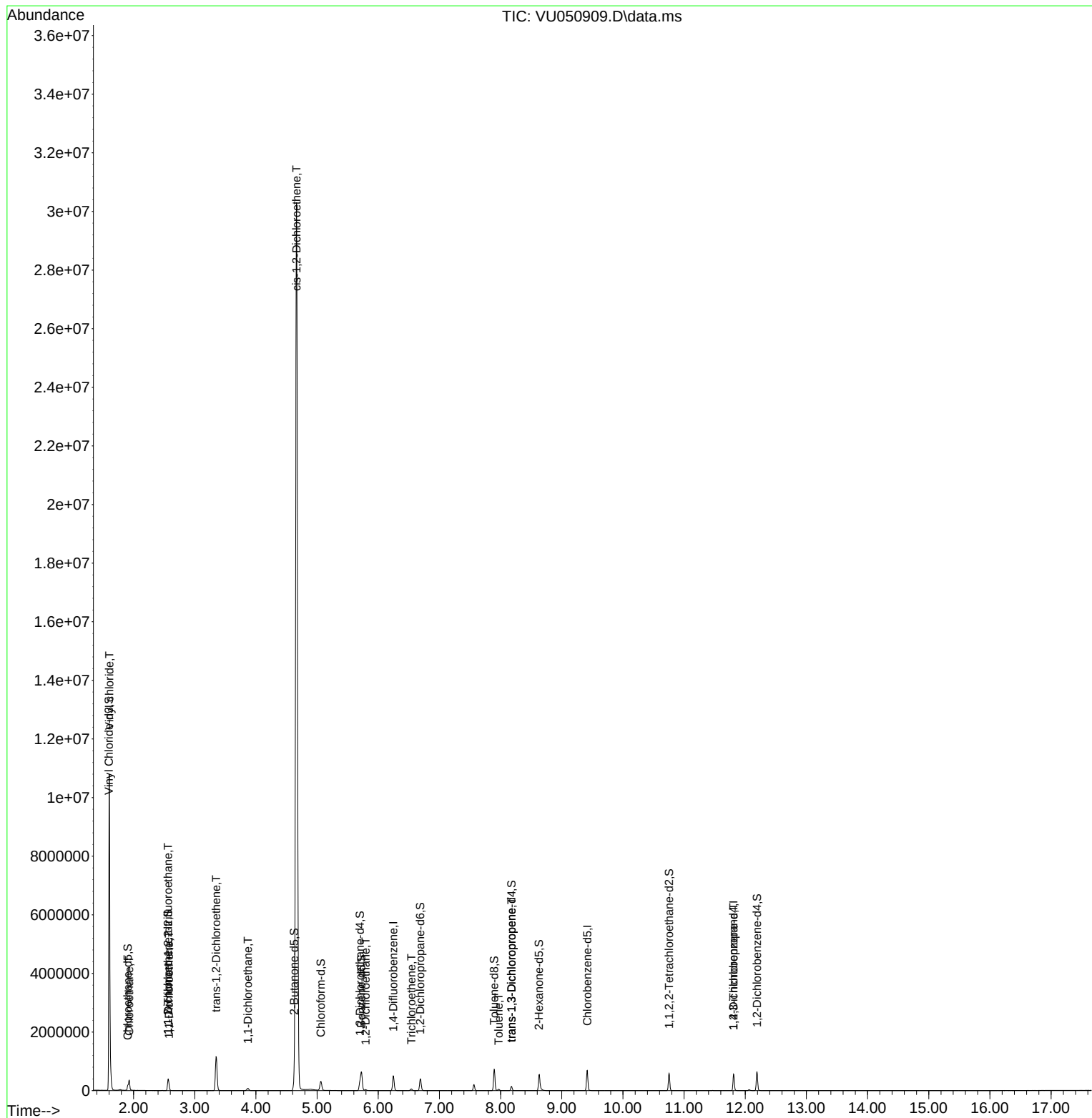
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	397877	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	381866	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	146031	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	232863	56.489	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	112.980%	
7) Chloroethane-d5	1.906	69	133535	45.484	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	90.960%	
11) 1,1-Dichloroethene-d2	2.565	63	221574	34.544	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	69.080%	
21) 2-Butanone-d5	4.626	46	315505	118.552	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	118.550%	
24) Chloroform-d	5.060	84	288808	44.706	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	89.420%	
26) 1,2-Dichloroethane-d4	5.700	65	188387	47.319	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	94.640%	
32) Benzene-d6	5.726	84	589257	46.849	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.700%	
36) 1,2-Dichloropropane-d6	6.687	67	198077	46.655	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	93.300%	
41) Toluene-d8	7.896	98	478599	43.530	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	87.060%	
43) trans-1,3-Dichloroprop...	8.179	79	83367	45.138	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	90.280%	
47) 2-Hexanone-d5	8.629	63	172230	98.439	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	98.440%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	303485	46.886	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	93.780%	
66) 1,2-Dichlorobenzene-d4	12.192	152	164157	53.690	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	107.380%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	7852579	1674.694	ug/L	99
8) Chloroethane	1.928	64	225410	86.825	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1979	0.608	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	30645	10.019	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	494437	157.709	ug/L	100
19) 1,1-Dichloroethane	3.867	63	90331	14.259	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	15384015	4425.585	ug/L #	92
27) 1,2-Dichloroethane	5.793	62	28023	5.841	ug/L	97
34) Trichloroethene	6.542	95	18414	5.641	ug/L	98
42) Toluene	7.970	91	33098	2.372	ug/L	99
44) trans-1,3-Dichloropropene	8.179	75	3432	0.701	ug/L	100
60) 1,2,3-Trichloropropane	11.809	75	18488	4.501	ug/L #	68

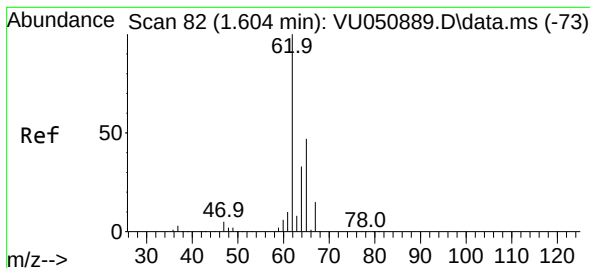
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1674.694 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU050909.D

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Instrument :

MSVOA_U

ClientSampleId :

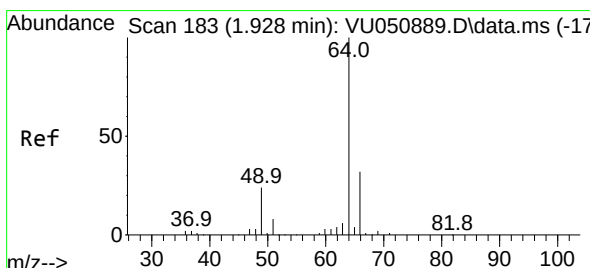
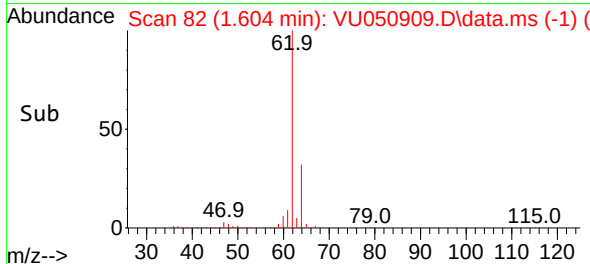
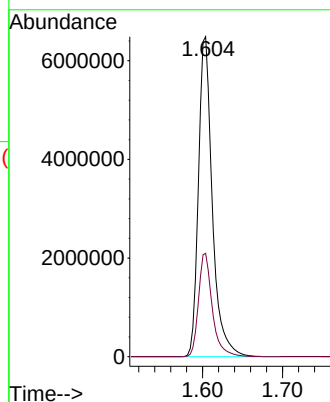
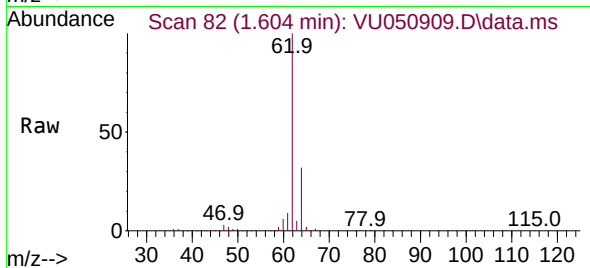
E45A6

Tgt Ion: 62 Resp: 7852579

Ion Ratio Lower Upper

62 100

64 32.3 22.2 41.2



#8

Chloroethane

Concen: 86.825 ug/L

RT: 1.928 min Scan# 183

Delta R.T. 0.000 min

Lab File: VU050909.D

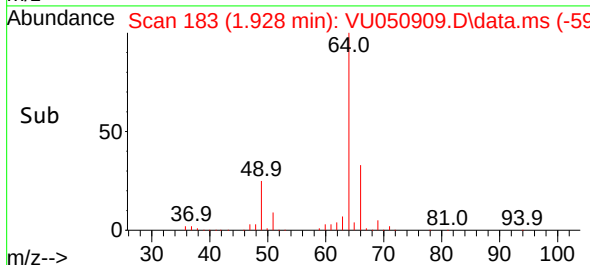
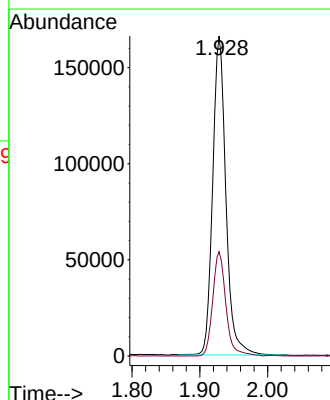
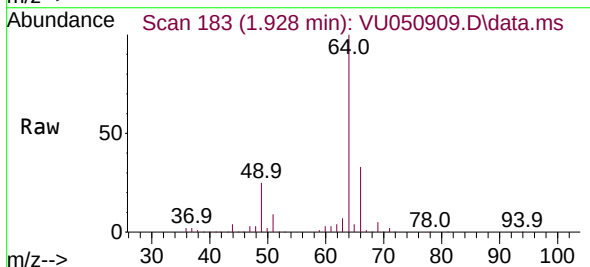
Acq: 22 Sep 2022 19:36

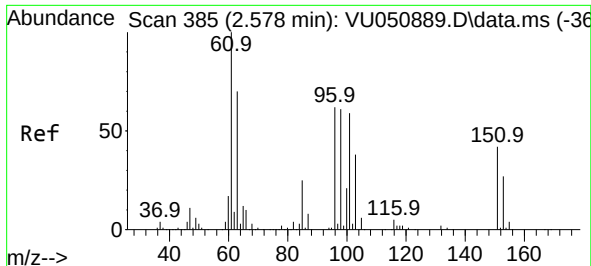
Tgt Ion: 64 Resp: 225410

Ion Ratio Lower Upper

64 100

66 32.6 22.9 42.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.608 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

Lab File: VU050909.D

Acq: 22 Sep 2022 19:36

Instrument :

MSVOA_U

ClientSampleId :

E45A6

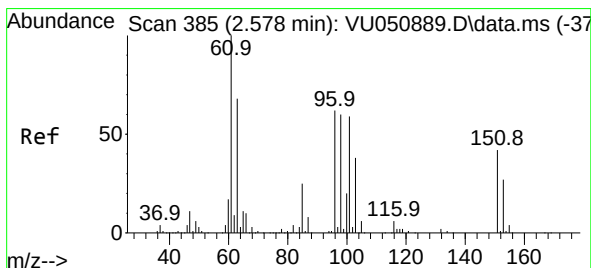
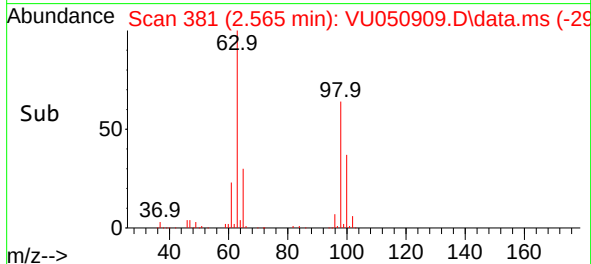
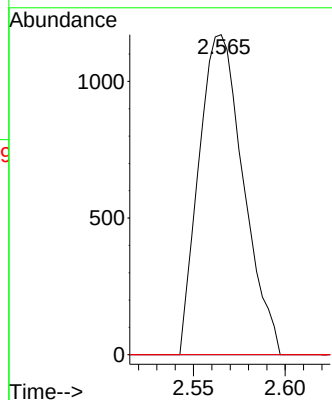
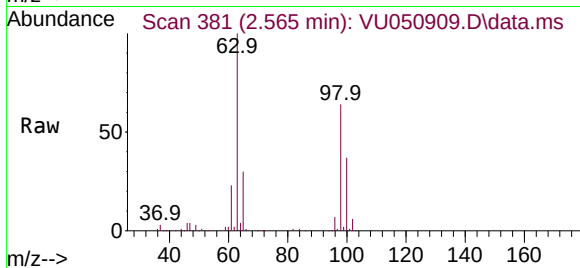
Tgt Ion:101 Resp: 1979

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 10.019 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU050909.D

Acq: 22 Sep 2022 19:36

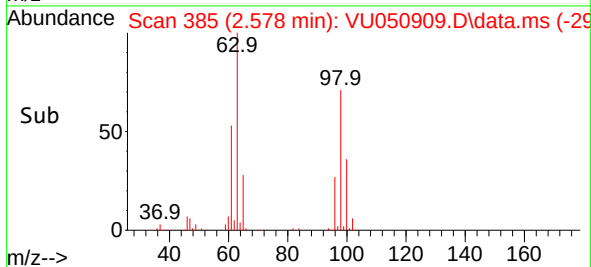
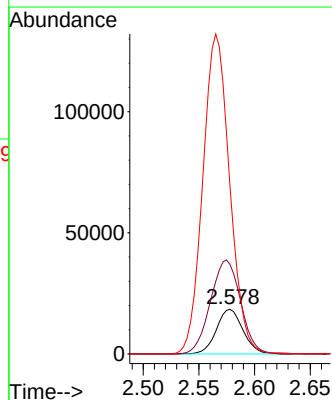
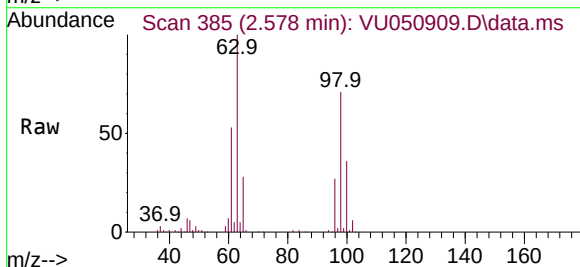
Tgt Ion: 96 Resp: 30645

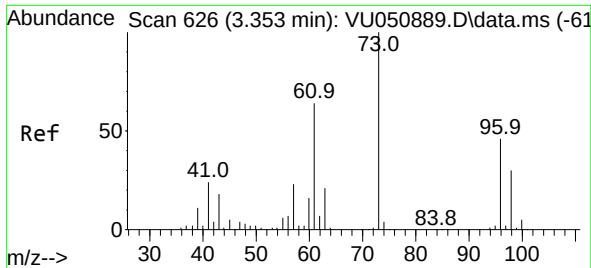
Ion Ratio Lower Upper

96 100

61 200.3 118.6 220.2

63 375.7 90.4 168.0#

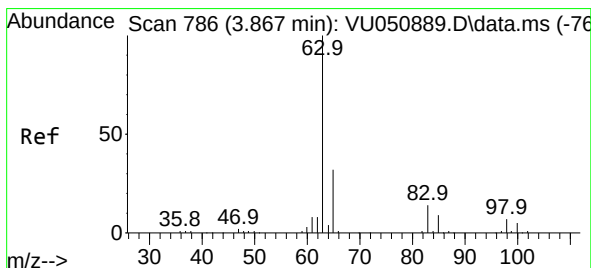
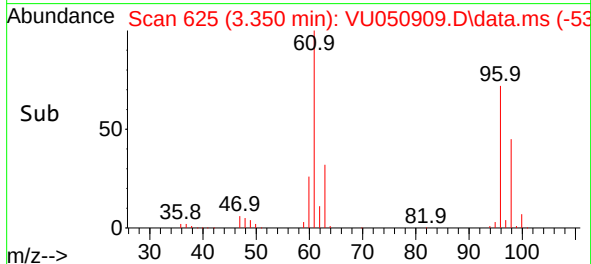
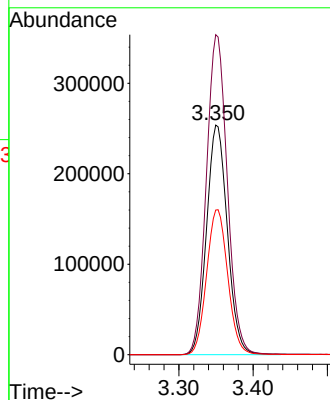
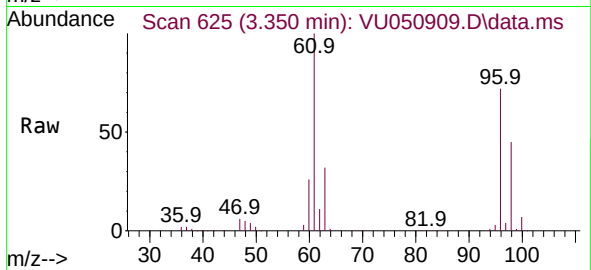




#17
trans-1,2-Dichloroethene
Concen: 157.709 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU050909.D
Acq: 22 Sep 2022 19:36

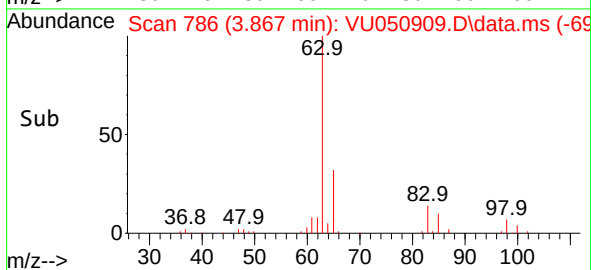
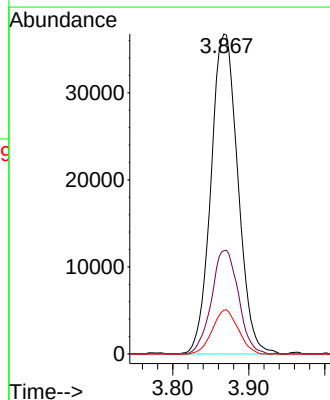
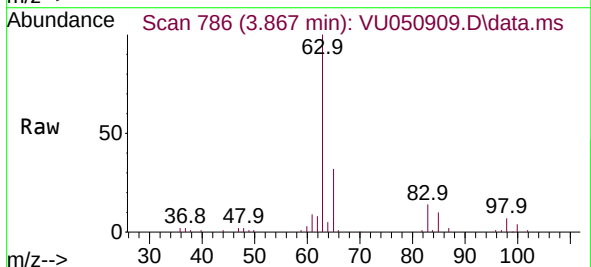
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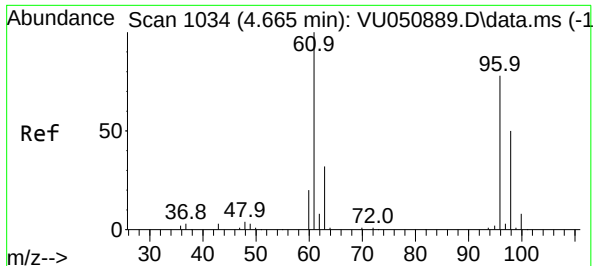
Tgt Ion: 96 Resp: 494437
Ion Ratio Lower Upper
96 100
61 139.4 98.0 182.0
98 63.0 44.3 82.3



#19
1,1-Dichloroethane
Concen: 14.259 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050909.D
Acq: 22 Sep 2022 19:36

Tgt Ion: 63 Resp: 90331
Ion Ratio Lower Upper
63 100
65 32.3 21.5 39.9
83 13.7 9.3 17.3



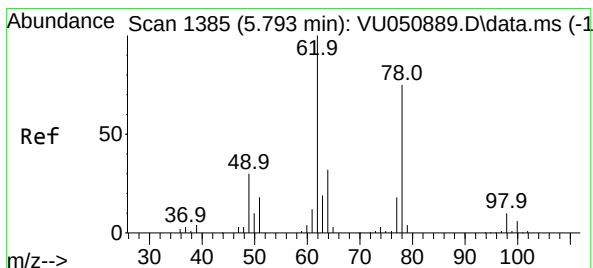
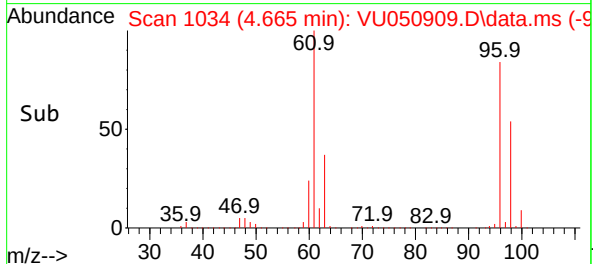
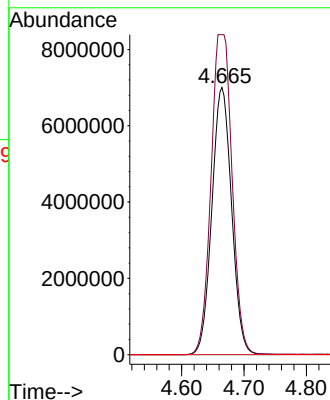
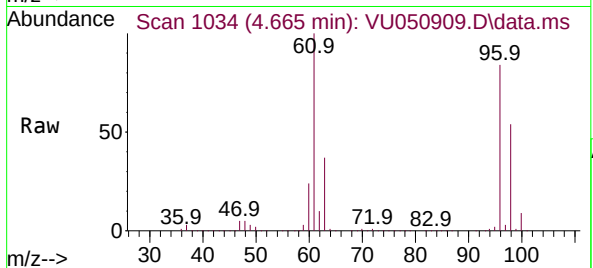


#20
 cis-1,2-Dichloroethene
 Concen: 4425.585 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU050909.D
 Acq: 22 Sep 2022 19:36

Instrument :
 MSVOA_U
 ClientSampleId :
 E45A6

Tgt Ion: 96 Resp:15384015

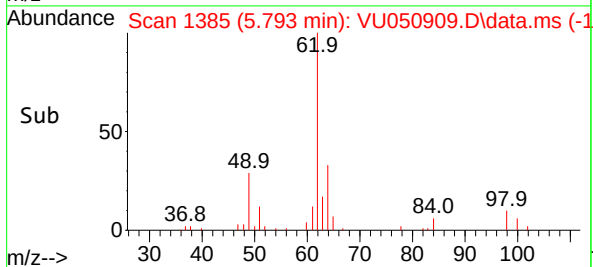
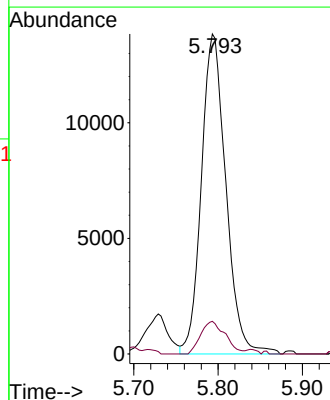
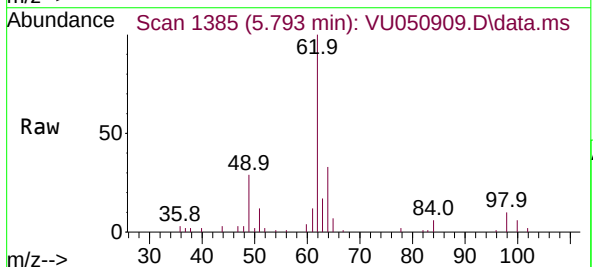
Ion	Ratio	Lower	Upper
96	100		
61	119.8	90.1	167.3
68	0.0	0.0	0.0#

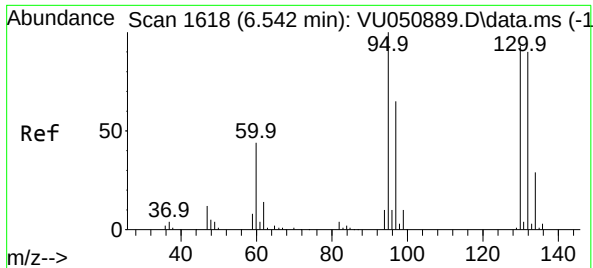


#27
 1,2-Dichloroethane
 Concen: 5.841 ug/L
 RT: 5.793 min Scan# 1385
 Delta R.T. 0.000 min
 Lab File: VU050909.D
 Acq: 22 Sep 2022 19:36

Tgt Ion: 62 Resp: 28023

Ion	Ratio	Lower	Upper
62	100		
98	10.2	7.4	11.0

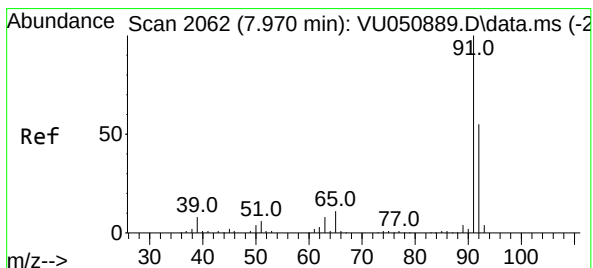
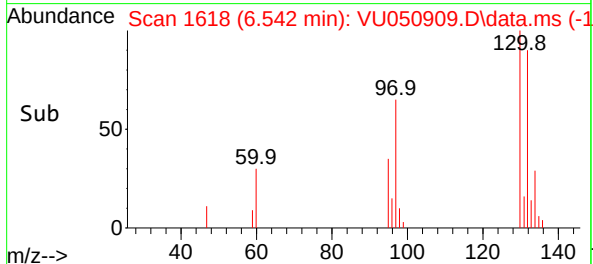
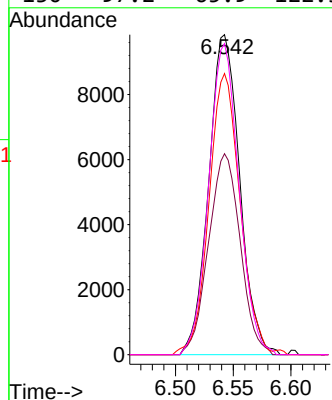
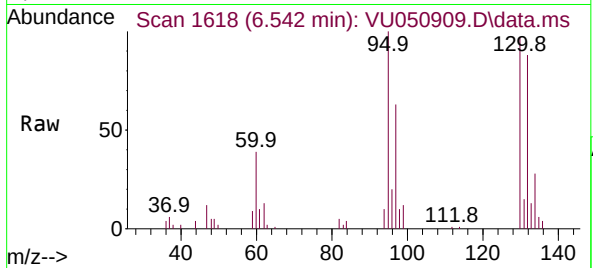




#34
Trichloroethene
Concen: 5.641 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050909.D
Acq: 22 Sep 2022 19:36

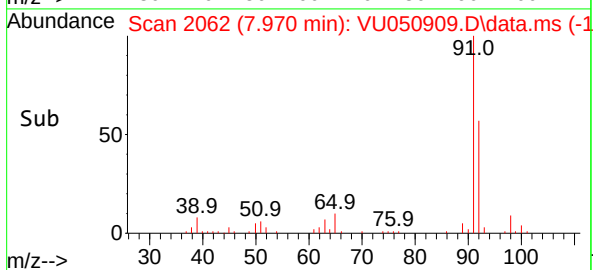
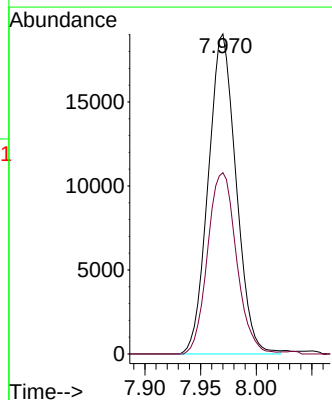
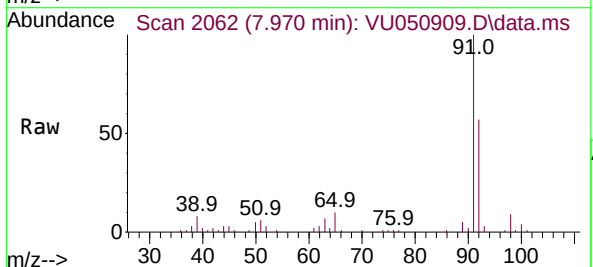
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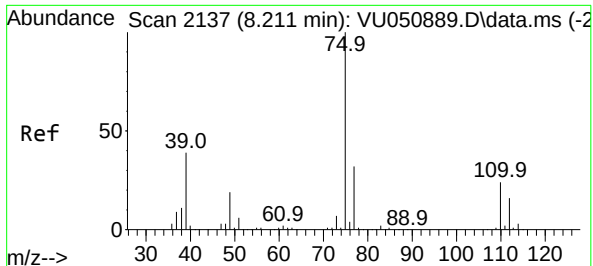
Tgt Ion: 95 Resp: 18414
Ion Ratio Lower Upper
95 100
97 62.8 43.9 81.5
132 87.9 63.1 117.1
130 97.2 65.9 122.3



#42
Toluene
Concen: 2.372 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU050909.D
Acq: 22 Sep 2022 19:36

Tgt Ion: 91 Resp: 33098
Ion Ratio Lower Upper
91 100
92 56.6 39.1 72.5

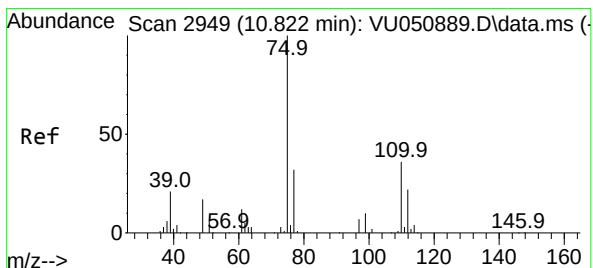
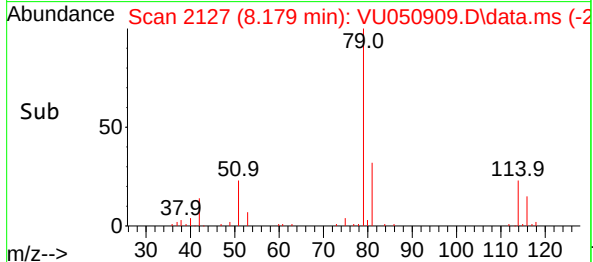
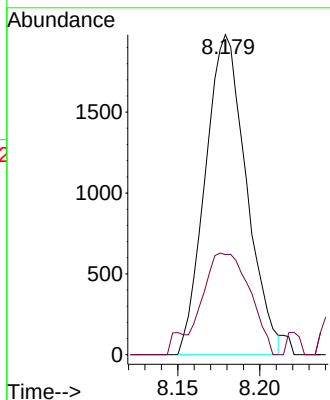
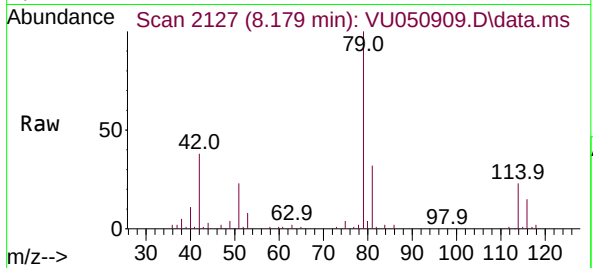




#44
trans-1,3-Dichloropropene
Concen: 0.701 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU050909.D
Acq: 22 Sep 2022 19:36

Instrument :
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Tgt Ion: 75 Resp: 3432
Ion Ratio Lower Upper
75 100
77 31.3 21.9 40.7



#60
1,2,3-Trichloropropane
Concen: 4.501 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU050909.D
Acq: 22 Sep 2022 19:36

Tgt Ion: 75 Resp: 18488
Ion Ratio Lower Upper
75 100
77 31.2 26.2 39.4
110 1.0 28.6 43.0#

