

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092022\
 Data File : VU050848.D
 Acq On : 20 Sep 2022 21:56
 Operator : JC/MD
 Sample : N4651-12 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ45

Quant Time: Sep 21 02:28:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 02:18:13 2022
 Response via : Initial Calibration

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

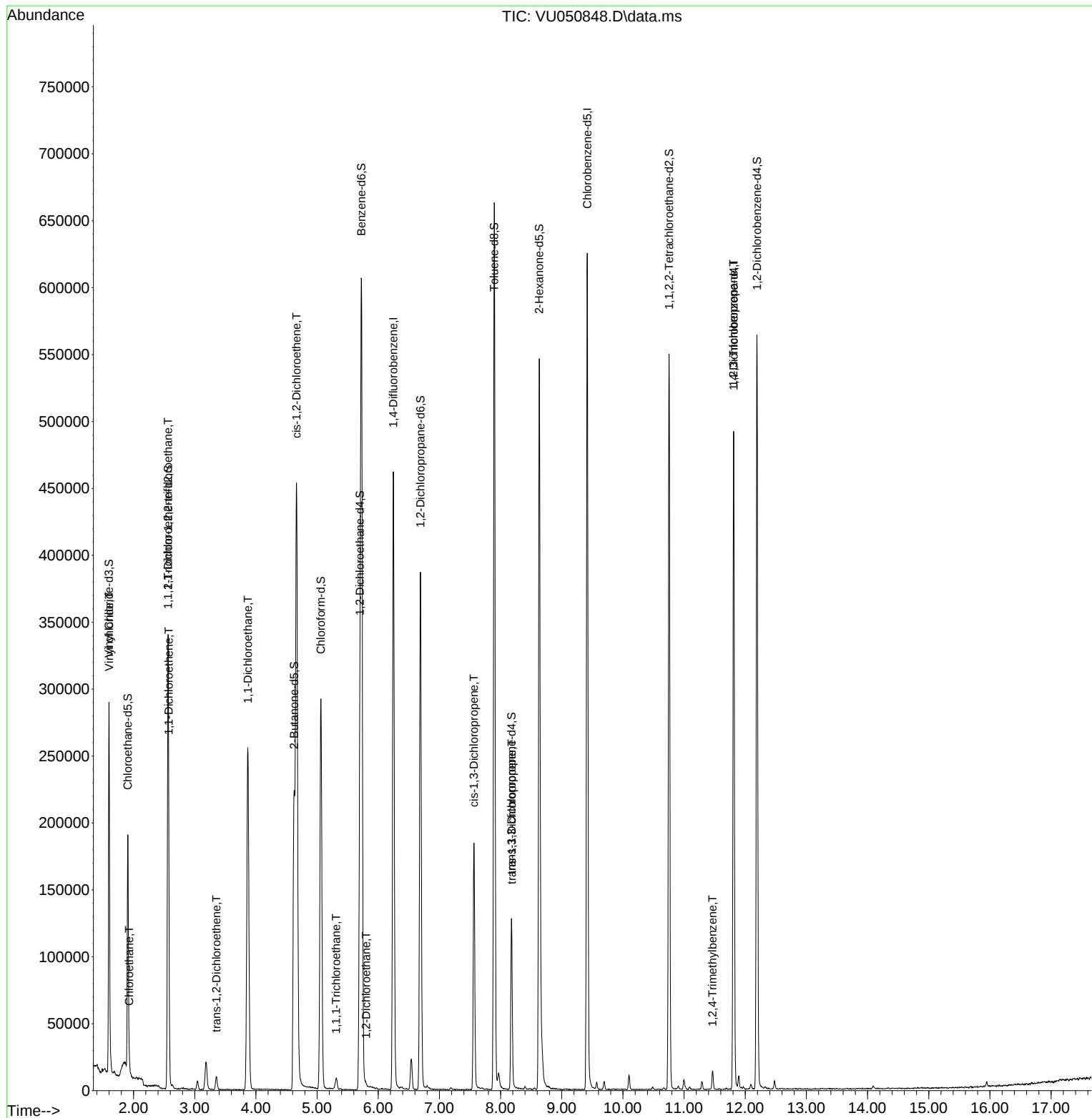
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	367018	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	354222	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	130744	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	168833	44.400	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.800%
7) Chloroethane-d5	1.906	69	132534	48.939	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.880%
11) 1,1-Dichloroethene-d2	2.565	63	203778	34.440	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.880%
21) 2-Butanone-d5	4.623	46	300990	122.607	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.610%
24) Chloroform-d	5.063	84	278796	46.785	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.560%
26) 1,2-Dichloroethane-d4	5.700	65	178947	48.727	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.460%
32) Benzene-d6	5.726	84	557473	47.780	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.560%
36) 1,2-Dichloropropane-d6	6.690	67	191001	48.499	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.000%
41) Toluene-d8	7.896	98	445251	43.658	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.320%
43) trans-1,3-Dichloroprop...	8.179	79	73799	43.075	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.160%
47) 2-Hexanone-d5	8.632	63	175769	108.302	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.300%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	283704	47.250	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.500%
66) 1,2-Dichlorobenzene-d4	12.192	152	143447	52.402	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.600	62	50766	11.737	ug/L	95
8) Chloroethane	1.928	64	4607	1.924	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1850	0.616	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	3014	1.068	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	4583	1.585	ug/L	94
19) 1,1-Dichloroethane	3.867	63	296583	50.754	ug/L	96
20) cis-1,2-Dichloroethene	4.665	96	226277	70.567	ug/L	99
27) 1,2-Dichloroethane	5.803	62	1785	0.403	ug/L #	89
30) 1,1,1-Trichloroethane	5.311	97	5735	1.217	ug/L	97
39) cis-1,3-Dichloropropene	7.562	75	4356	0.913	ug/L #	65
44) trans-1,3-Dichloropropene	8.182	75	3256	0.717	ug/L	99
60) 1,2,3-Trichloropropane	11.809	75	17092	4.648	ug/L #	67
63) 1,2,4-Trimethylbenzene	11.465	105	7934	1.043	ug/L	98

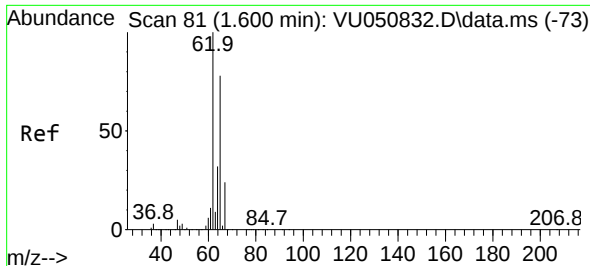
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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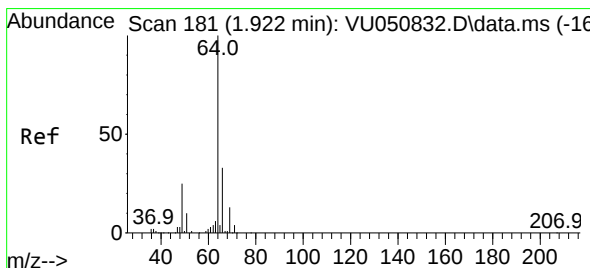
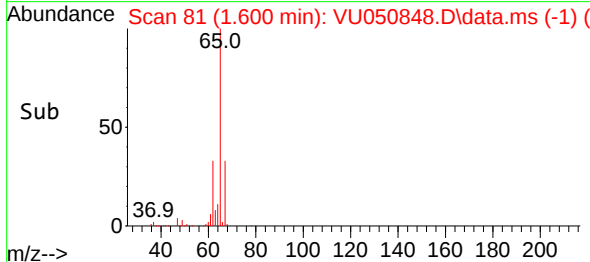
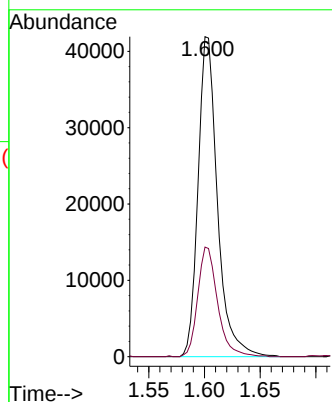
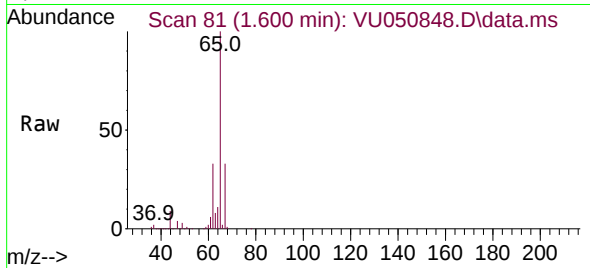




#5
 Vinyl chloride
 Concen: 11.737 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050848.D
 Acq: 20 Sep 2022 21:56

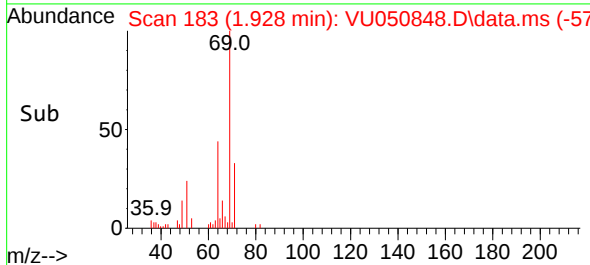
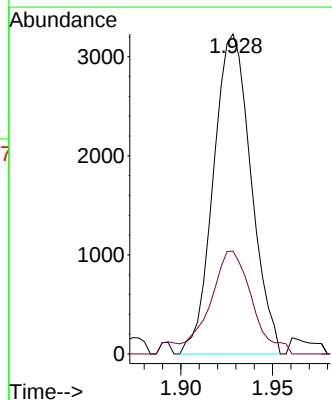
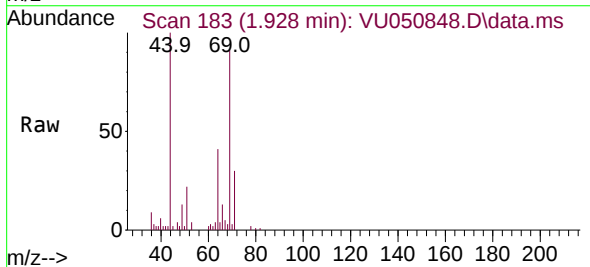
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ45

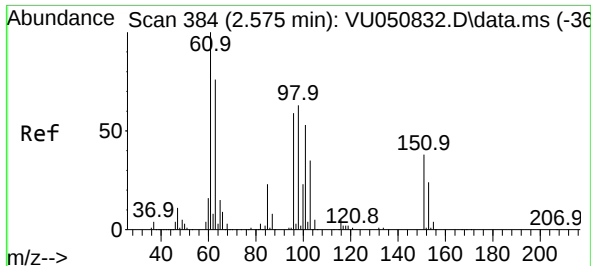
Tgt Ion: 62 Resp: 50766
 Ion Ratio Lower Upper
 62 100
 64 34.3 22.2 41.2



#8
 Chloroethane
 Concen: 1.924 ug/L
 RT: 1.928 min Scan# 183
 Delta R.T. 0.006 min
 Lab File: VU050848.D
 Acq: 20 Sep 2022 21:56

Tgt Ion: 64 Resp: 4607
 Ion Ratio Lower Upper
 64 100
 66 32.2 22.9 42.5

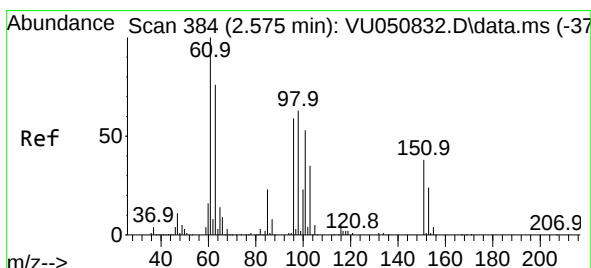
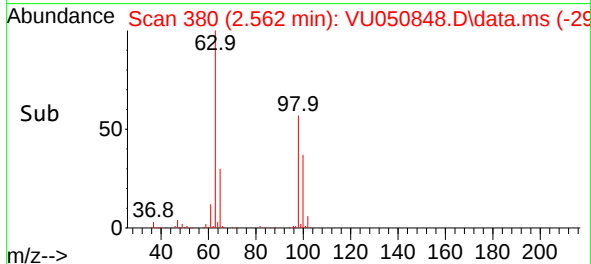
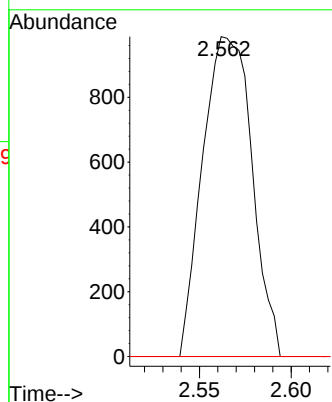
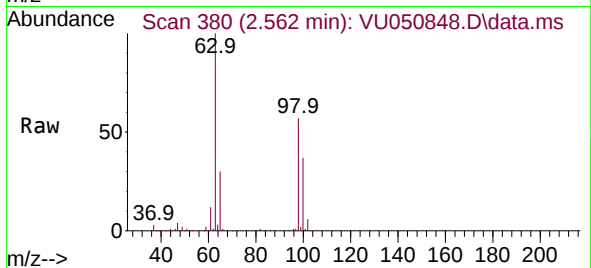




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.616 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.013 min
 Lab File: VU050848.D
 Acq: 20 Sep 2022 21:56

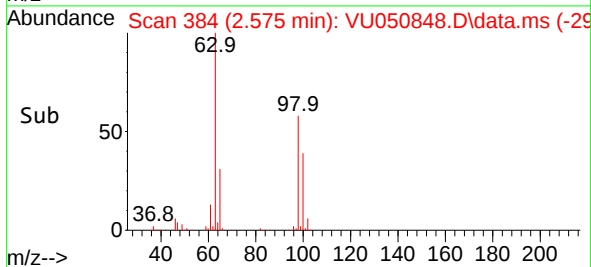
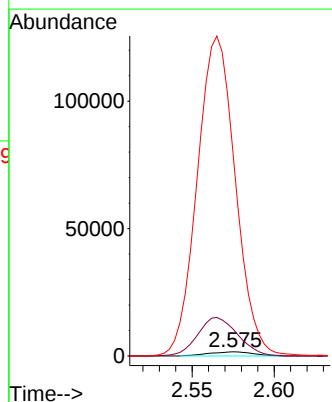
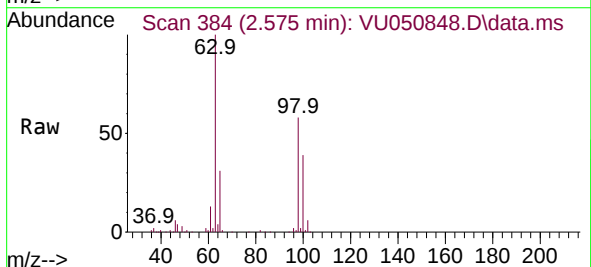
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ45

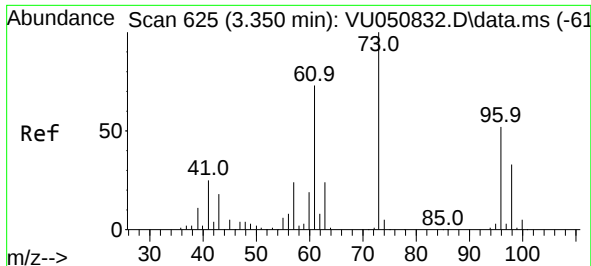
Tgt Ion:101 Resp: 1850
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.6 84.8#



#12
 1,1-Dichloroethene
 Concen: 1.068 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU050848.D
 Acq: 20 Sep 2022 21:56

Tgt Ion: 96 Resp: 3014
 Ion Ratio Lower Upper
 96 100
 61 667.4 118.6 220.2#
 63 5050.7 90.4 168.0#





#17

trans-1,2-Dichloroethene

Concen: 1.585 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.006 min

Lab File: VU050848.D

Acq: 20 Sep 2022 21:56

Instrument :

MSVOA_U

ClientSampleId :

EXZ45

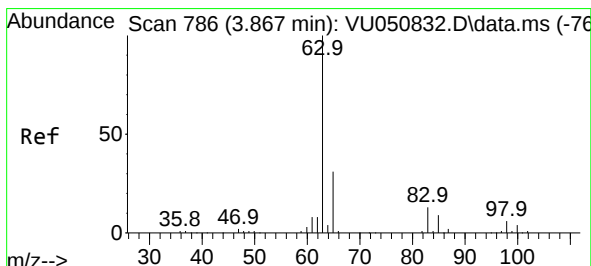
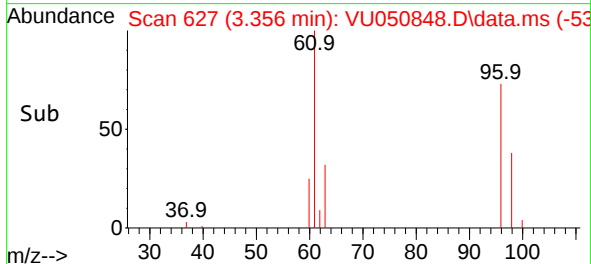
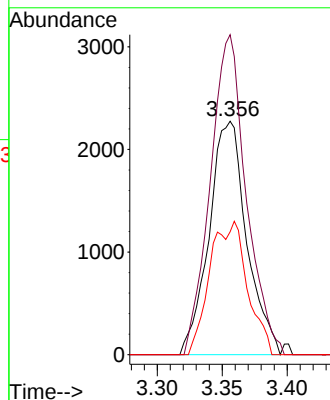
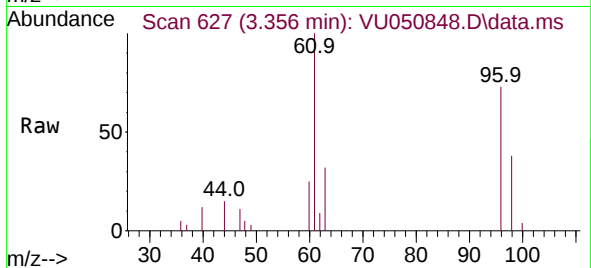
Tgt Ion: 96 Resp: 4583

Ion Ratio Lower Upper

96 100

61 137.1 98.0 182.0

98 52.6 44.3 82.3



#19

1,1-Dichloroethane

Concen: 50.754 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050848.D

Acq: 20 Sep 2022 21:56

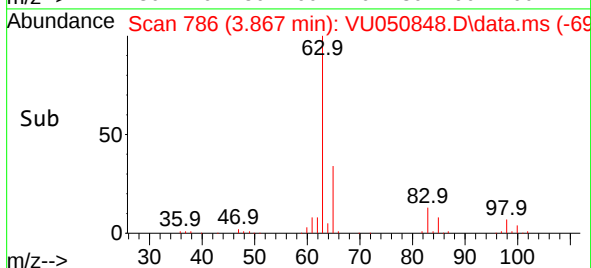
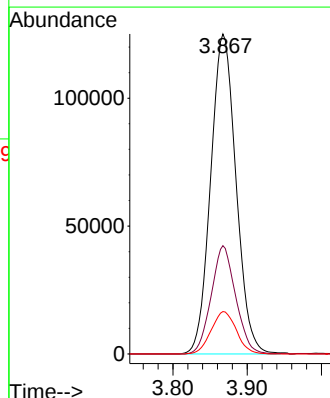
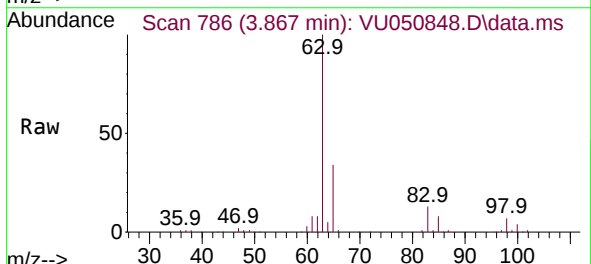
Tgt Ion: 63 Resp: 296583

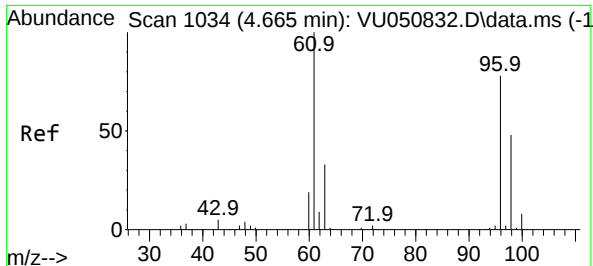
Ion Ratio Lower Upper

63 100

65 33.8 21.5 39.9

83 13.3 9.3 17.3

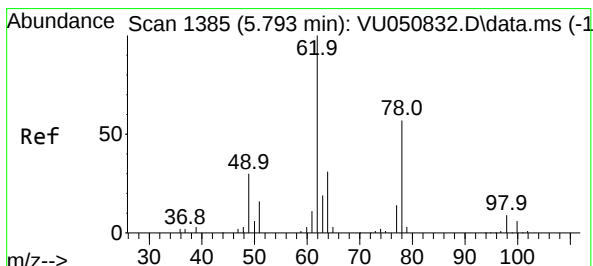
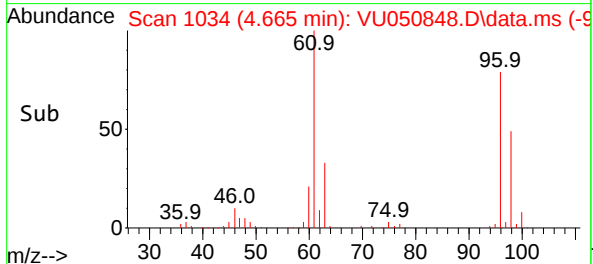
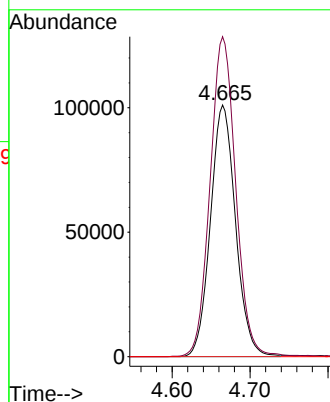
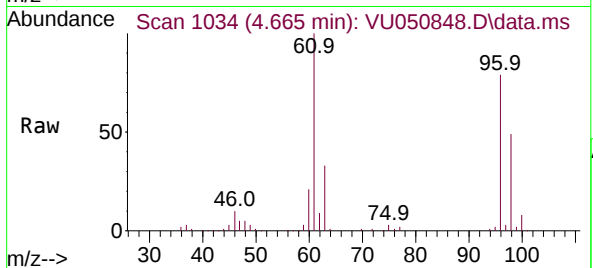




#20
cis-1,2-Dichloroethene
Concen: 70.567 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050848.D
Acq: 20 Sep 2022 21:56

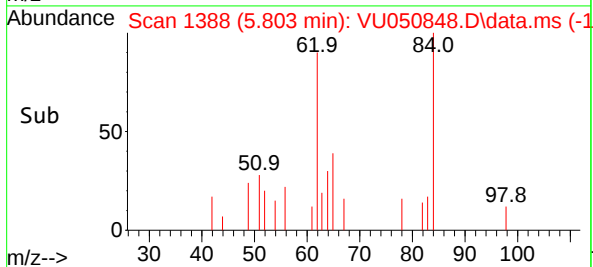
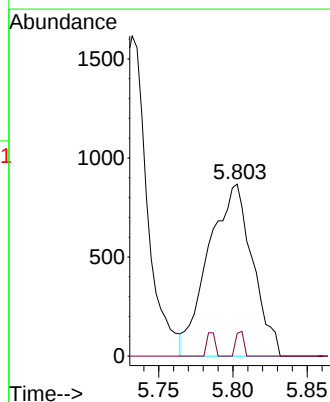
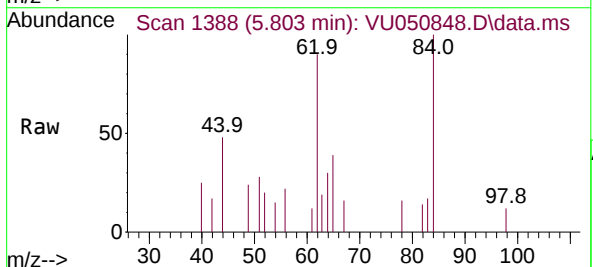
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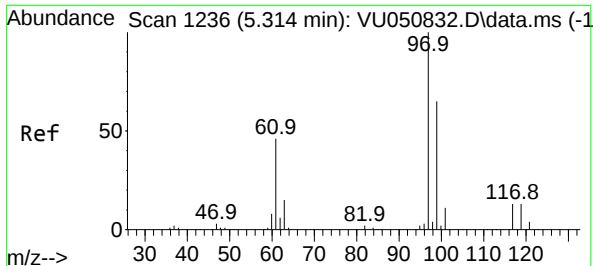
Tgt Ion: 96 Resp: 226277
Ion Ratio Lower Upper
96 100
61 127.1 90.1 167.3
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 0.403 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.010 min
Lab File: VU050848.D
Acq: 20 Sep 2022 21:56

Tgt Ion: 62 Resp: 1785
Ion Ratio Lower Upper
62 100
98 13.1 7.4 11.0#





#30

1,1,1-Trichloroethane

Concen: 1.217 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050848.D

Acq: 20 Sep 2022 21:56

Instrument :

MSVOA_U

ClientSampleId :

EXZ45

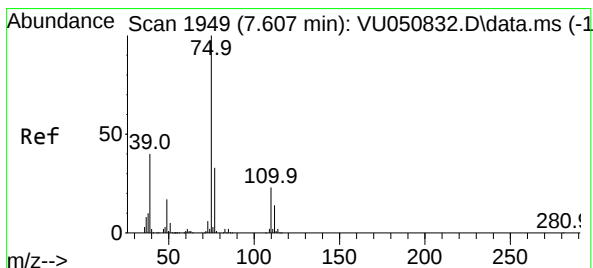
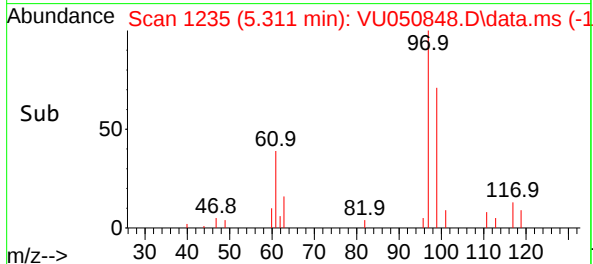
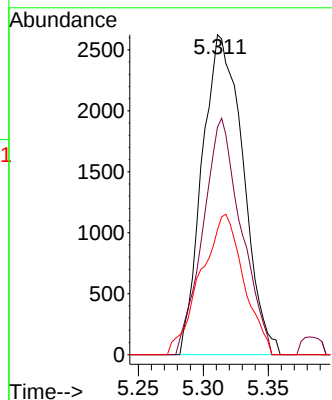
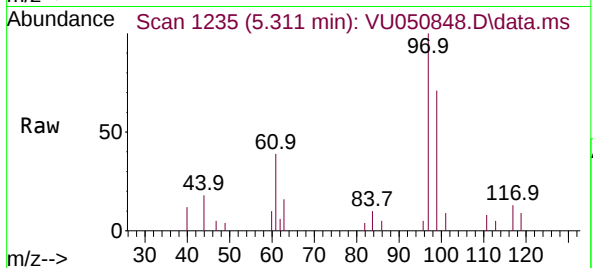
Tgt Ion: 97 Resp: 5735

Ion Ratio Lower Upper

97 100

99 69.2 52.2 78.2

61 46.0 37.1 55.7



#39

cis-1,3-Dichloropropene

Concen: 0.913 ug/L

RT: 7.562 min Scan# 1935

Delta R.T. -0.045 min

Lab File: VU050848.D

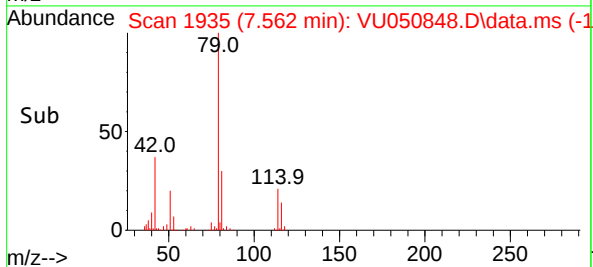
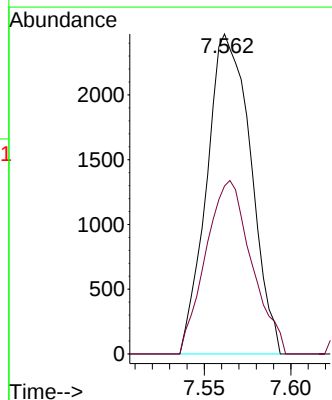
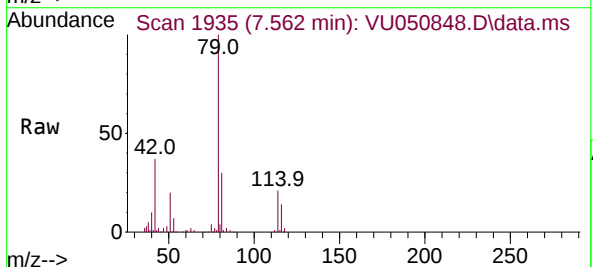
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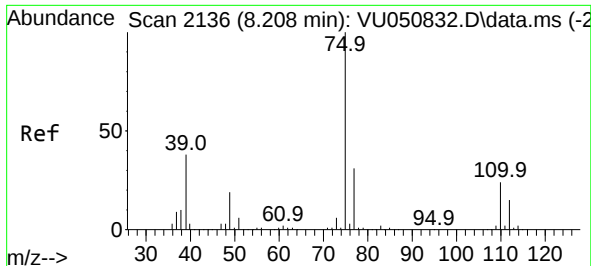
Tgt Ion: 75 Resp: 4356

Ion Ratio Lower Upper

75 100

77 52.5 22.8 42.4#

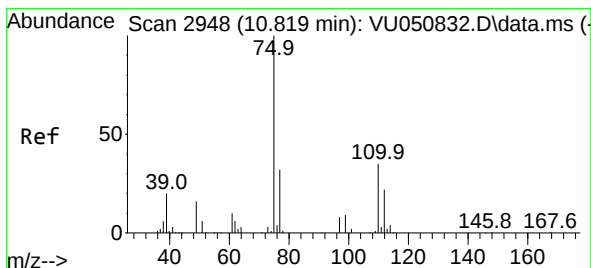
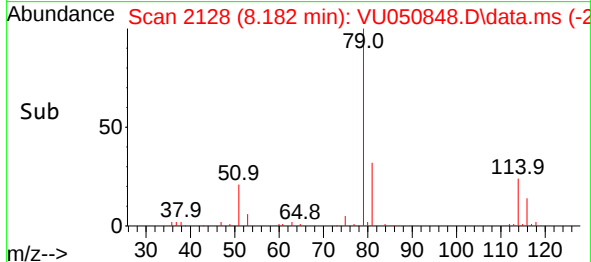
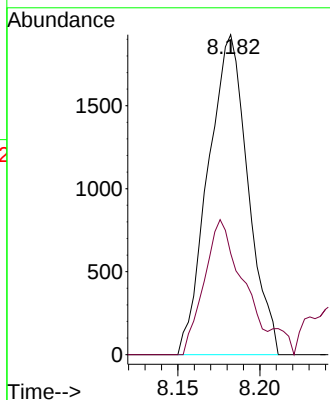
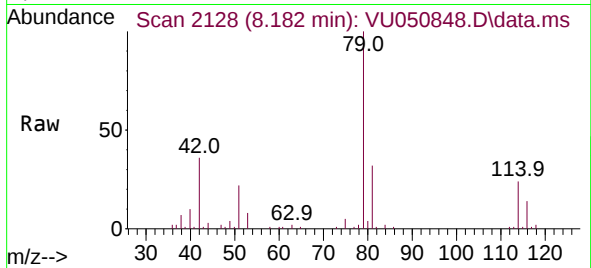




#44
trans-1,3-Dichloropropene
Concen: 0.717 ug/L
RT: 8.182 min Scan# 2136
Delta R.T. -0.026 min
Lab File: VU050848.D
Acq: 20 Sep 2022 21:56

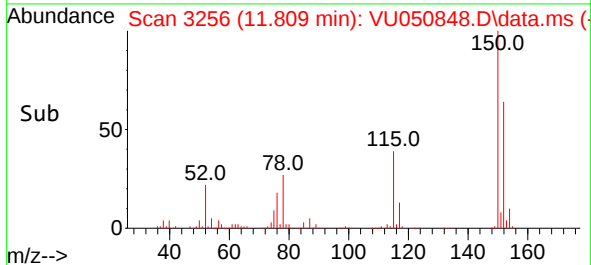
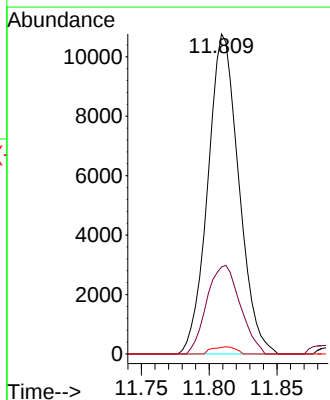
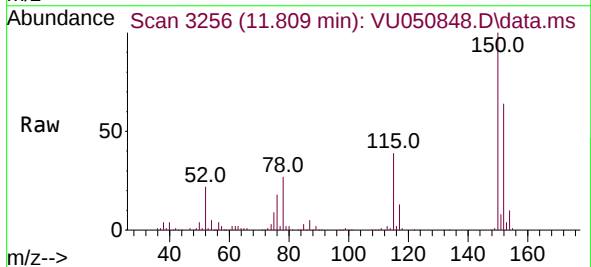
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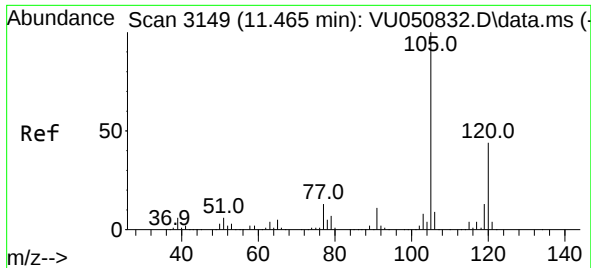
Tgt Ion: 75 Resp: 3256
Ion Ratio Lower Upper
75 100
77 31.6 21.9 40.7



#60
1,2,3-Trichloropropane
Concen: 4.648 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.990 min
Lab File: VU050848.D
Acq: 20 Sep 2022 21:56

Tgt Ion: 75 Resp: 17092
Ion Ratio Lower Upper
75 100
77 29.8 26.2 39.4
110 1.7 28.6 43.0#





#63
 1,2,4-Trimethylbenzene
 Concen: 1.043 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU050848.D
 Acq: 20 Sep 2022 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ45

Tgt Ion:105 Resp: 7934
 Ion Ratio Lower Upper
 105 100
 120 42.5 34.9 52.3

