

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080822\
 Data File : VU050198.D
 Acq On : 09 Aug 2022 23:09
 Operator : SY/MD
 Sample : N4076-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 06:34:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Aug 10 05:49:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	60951	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	58201	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	22420	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	39850	7.856	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	157.200%#	
7) Chloroethane-d5	1.906	69	28186	6.887	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	137.800%#	
11) 1,1-Dichloroethene-d2	2.562	65	13276	6.697	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	134.000%#	
20) 2-Butanone-d5	4.623	46	104786	84.713	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	169.420%#	
24) Chloroform-d	5.063	84	56115	5.948	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	119.000%	
26) 1,2-Dichloroethane-d4	5.703	65	31945	6.594	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	131.800%#	
32) Benzene-d6	5.729	84	111750	6.153	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	123.000%	
36) 1,2-Dichloropropane-d6	6.694	67	37468	6.265	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	125.200%	
41) Toluene-d8	7.899	98	87603	5.461	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	109.200%	
43) trans-1,3-Dichloroprop...	8.179	79	12677	5.915	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	118.200%	
46) 2-Hexanone-d5	8.632	63	65752	86.512	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	173.020%#	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	36574	6.963	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	139.200%#	
66) 1,2-Dichlorobenzene-d4	12.195	152	28890	6.577	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	131.600%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1805	0.247	ug/L	92
5) Vinyl chloride	1.604	62	1866	0.285	ug/L #	34
8) Chloroethane	1.797	64	1634	0.423	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	343	0.086	ug/L #	43
12) 1,1-Dichloroethene	2.578	96	15483	3.675	ug/L #	83
13) Acetone	2.626	43	5542	8.045	ug/L	85
14) Carbon disulfide	2.790	76	9400	0.625	ug/L	98
15) Methyl Acetate	2.758	43	1790	0.952	ug/L #	46
18) trans-1,2-Dichloroethene	3.353	96	214821	45.539	ug/L	95
19) 1,1-Dichloroethane	3.871	63	32357	3.622	ug/L	99
21) 2-Butanone	4.726	43	1904	1.537	ug/L #	47
22) cis-1,2-Dichloroethene	4.665	96	1540568	294.233	ug/L	100
33) Benzene	5.774	78	8735	0.428	ug/L	100
35) Methylcyclohexane	6.694	83	8299	1.304	ug/L #	32
39) cis-1,3-Dichloropropene	7.571	75	870	0.123	ug/L #	52
61) 1,2,3-Trichloropropane	11.812	75	2776	0.909	ug/L #	67
67) 1,2-Dichlorobenzene	12.214	146	597	0.082	ug/L #	76

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Response via : Initial Calibration

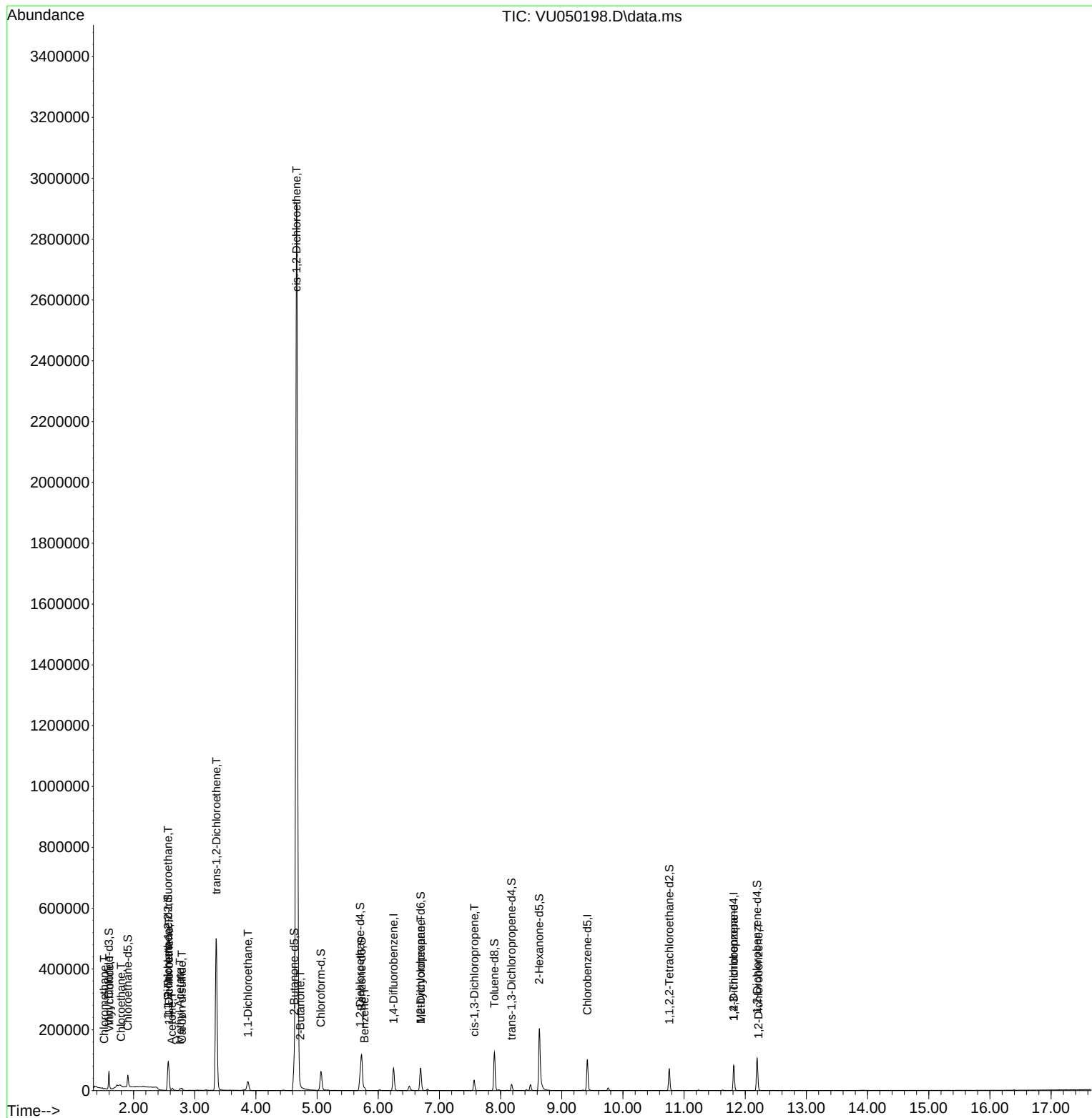
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

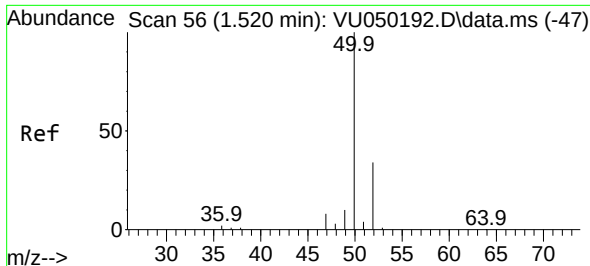
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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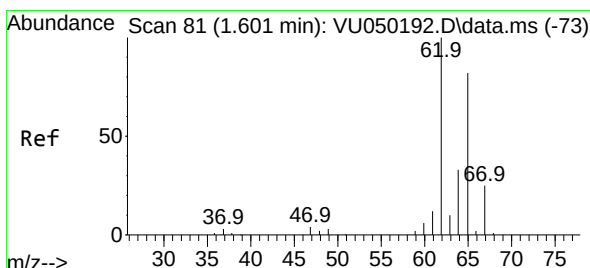
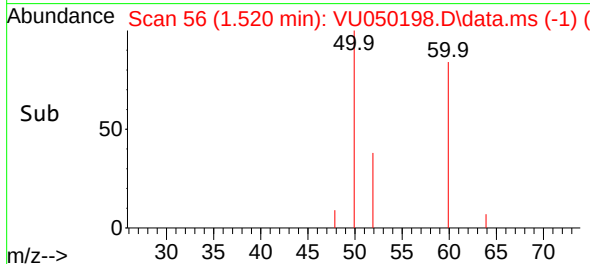
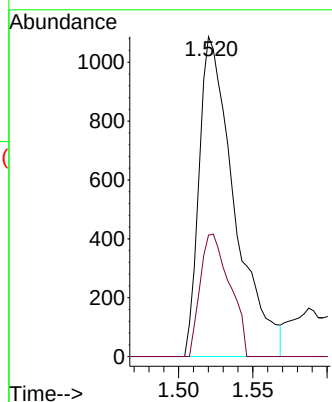
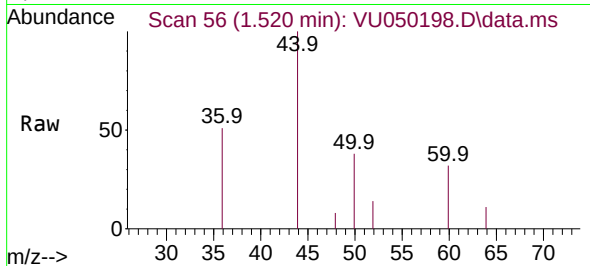




#3
Chloromethane
Concen: 0.247 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU050198.D
Acq: 09 Aug 2022 23:09

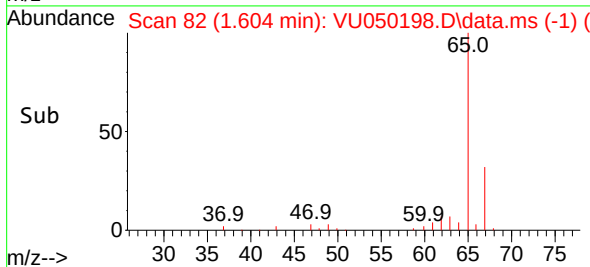
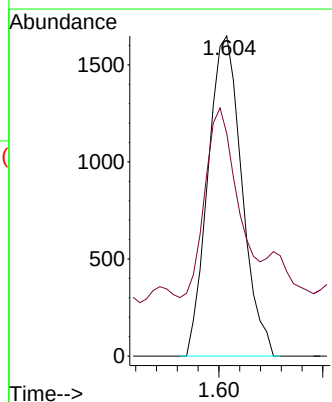
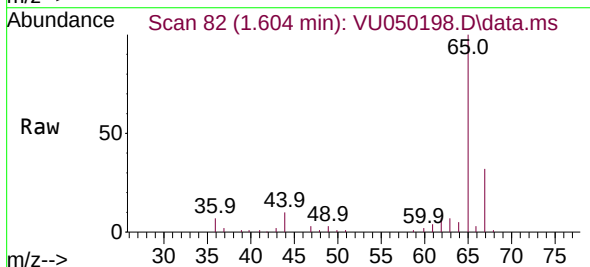
Instrument :
MSVOA_U
ClientSampleId :

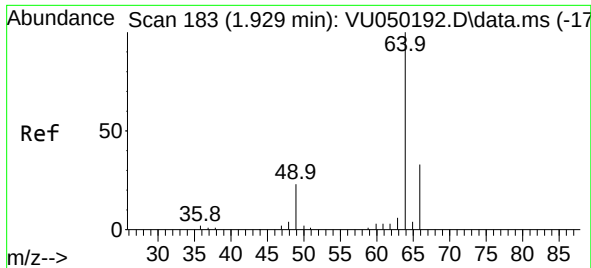
Tgt Ion: 50 Resp: 1805
Ion Ratio Lower Upper
50 100
52 38.0 23.2 43.2



#5
Vinyl chloride
Concen: 0.285 ug/L
RT: 1.604 min Scan# 82
Delta R.T. 0.003 min
Lab File: VU050198.D
Acq: 09 Aug 2022 23:09

Tgt Ion: 62 Resp: 1866
Ion Ratio Lower Upper
62 100
64 69.5 22.8 42.4#





#8

Chloroethane

Concen: 0.423 ug/L

RT: 1.797 min Scan# 14

Delta R.T. -0.132 min

Lab File: VU050198.D

Acq: 09 Aug 2022 23:09

Instrument :

MSVOA_U

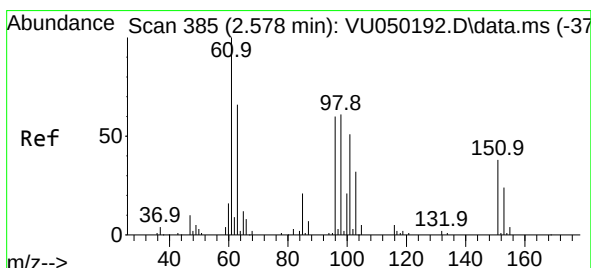
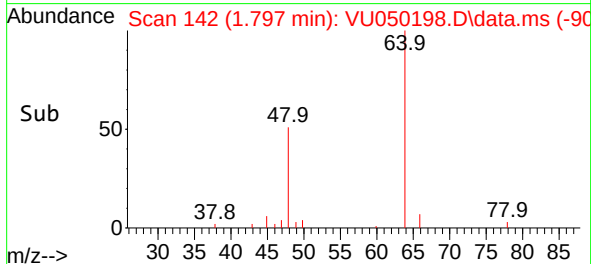
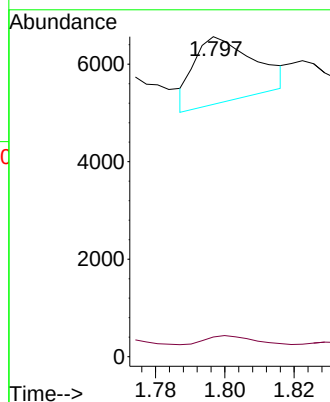
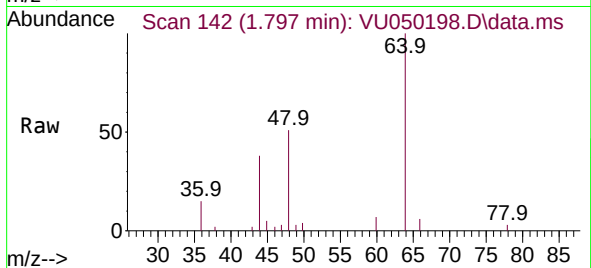
ClientSampleId :

Tgt Ion: 64 Resp: 1634

Ion Ratio Lower Upper

64 100

66 6.1 22.8 42.4#



#10

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

Concen: 0.086 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

Lab File: VU050198.D

Acq: 09 Aug 2022 23:09

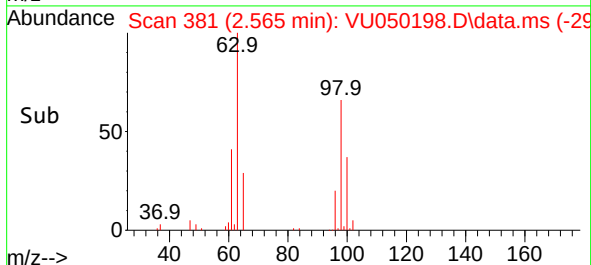
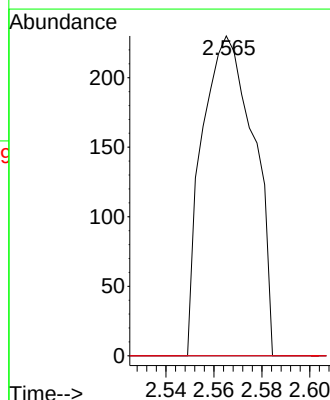
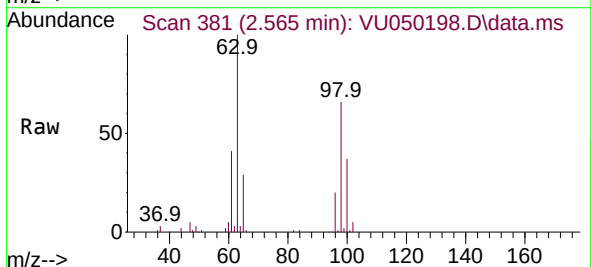
Tgt Ion:101 Resp: 343

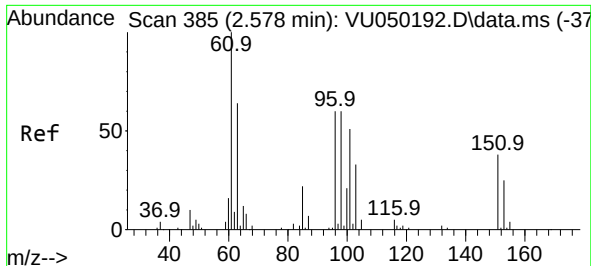
Ion Ratio Lower Upper

101 100

85 35.6 35.6 53.4#

151 0.0 55.2 82.8#





#12

1,1-Dichloroethene

Concen: 3.675 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU050198.D

Acq: 09 Aug 2022 23:09

Instrument :

MSVOA_U

ClientSampleId :

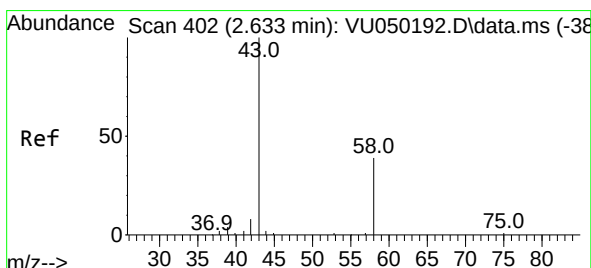
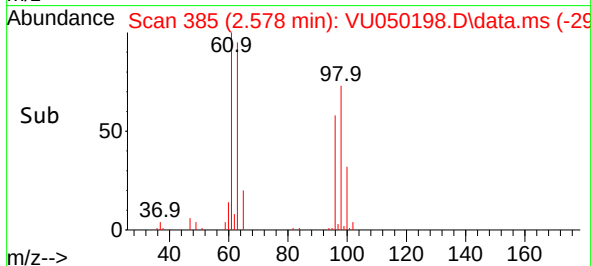
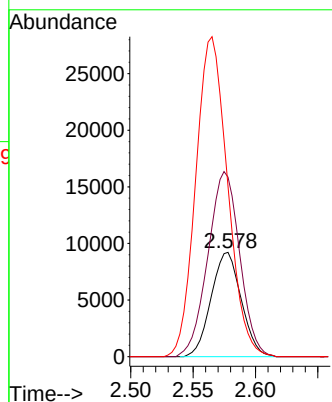
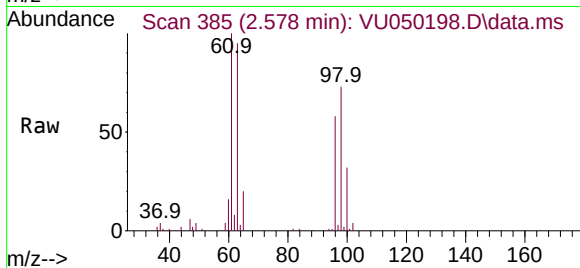
Tgt Ion: 96 Resp: 15483

Ion Ratio Lower Upper

96 100

61 172.1 122.7 227.9

63 163.1 85.1 158.1#



#13

Acetone

Concen: 8.045 ug/L

RT: 2.626 min Scan# 400

Delta R.T. -0.006 min

Lab File: VU050198.D

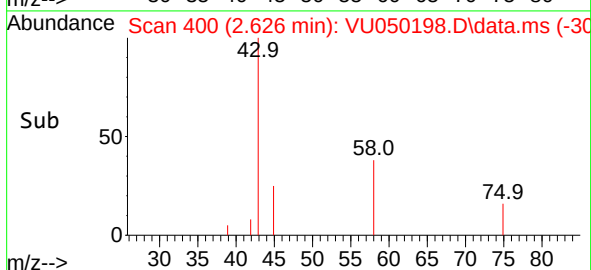
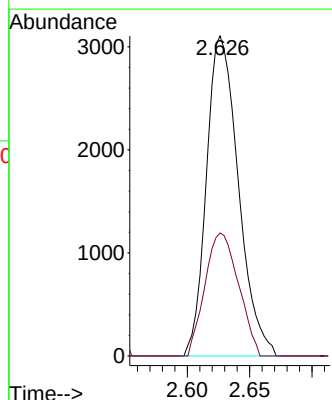
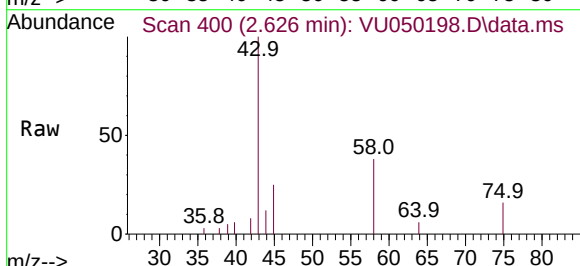
Acq: 09 Aug 2022 23:09

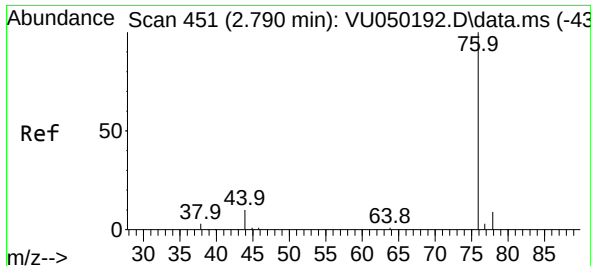
Tgt Ion: 43 Resp: 5542

Ion Ratio Lower Upper

43 100

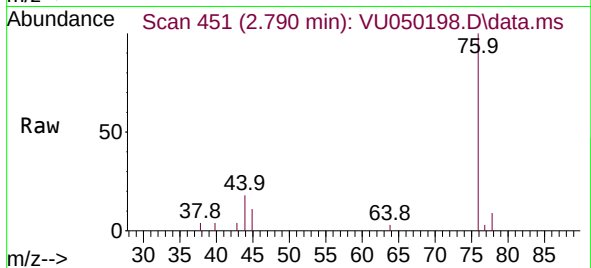
58 40.3 0.0 64.0



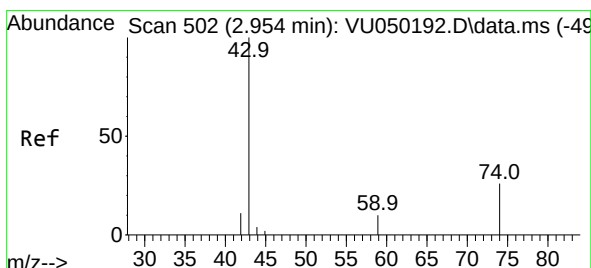
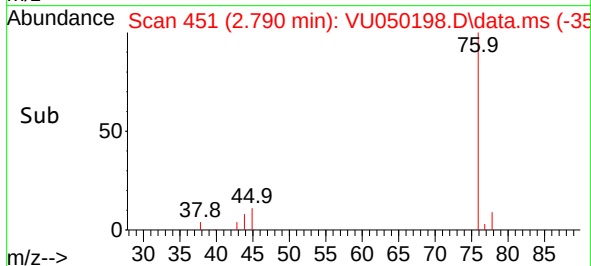
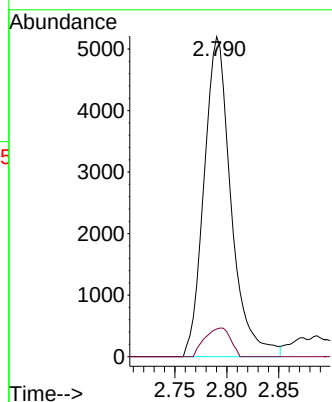


#14
Carbon disulfide
Concen: 0.625 ug/L
RT: 2.790 min Scan# 411
Delta R.T. -0.000 min
Lab File: VU050198.D
Acq: 09 Aug 2022 23:09

Instrument :
MSVOA_U
ClientSampleId :

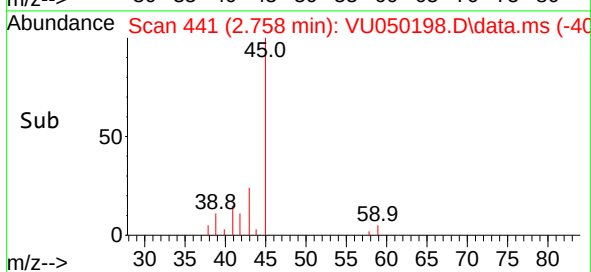
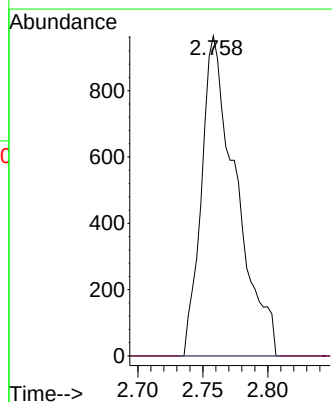
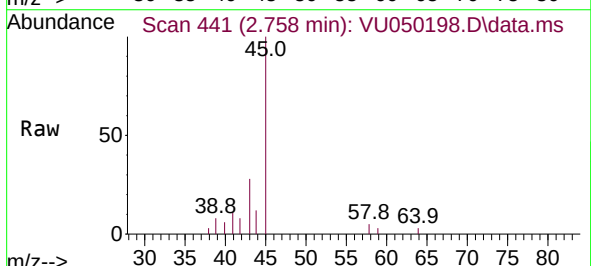


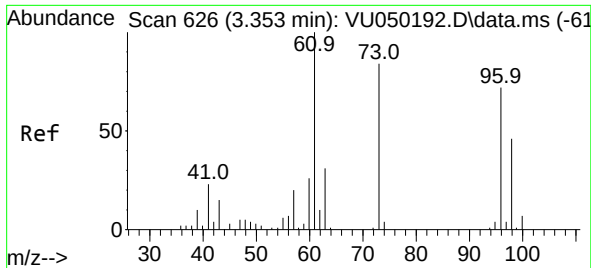
Tgt Ion: 76 Resp: 9400
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#15
Methyl Acetate
Concen: 0.952 ug/L
RT: 2.758 min Scan# 441
Delta R.T. -0.196 min
Lab File: VU050198.D
Acq: 09 Aug 2022 23:09

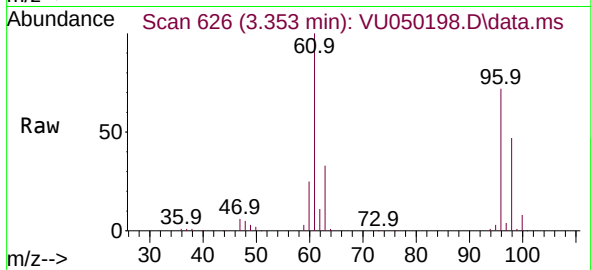
Tgt Ion: 43 Resp: 1790
Ion Ratio Lower Upper
43 100
74 0.0 22.7 34.1#





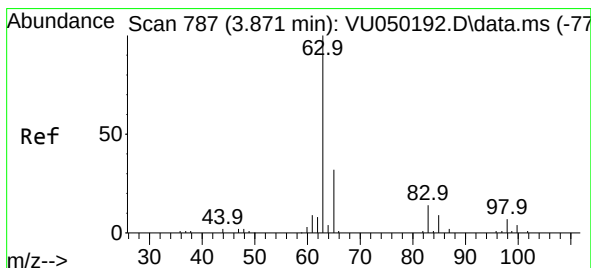
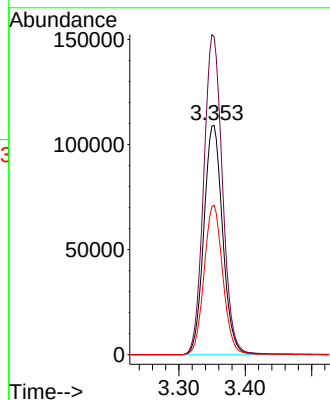
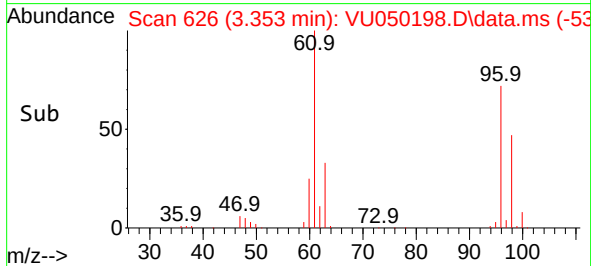
#18
trans-1,2-Dichloroethene
Concen: 45.539 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU050198.D
Acq: 09 Aug 2022 23:09

Instrument :
MSVOA_U
ClientSampleId :

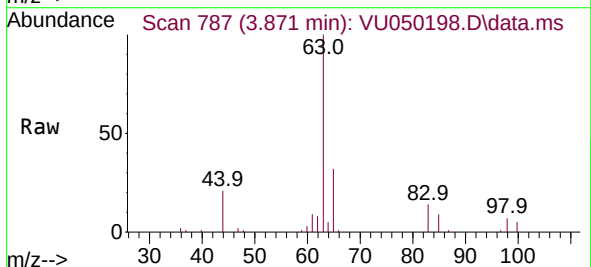


Tgt Ion: 96 Resp: 214821

Ion	Ratio	Lower	Upper
96	100		
61	138.6	92.3	171.5
98	65.2	43.2	80.2

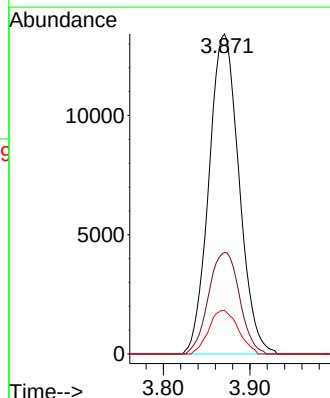
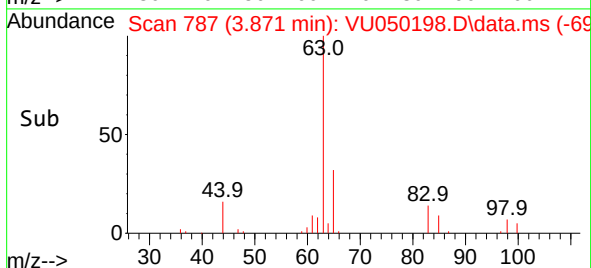


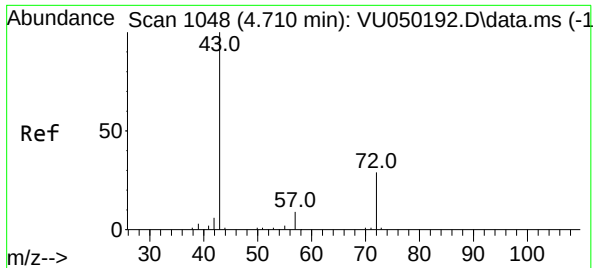
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1,1-Dichloroethane
Concen: 3.622 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.000 min
Lab File: VU050198.D
Acq: 09 Aug 2022 23:09



Tgt Ion: 63 Resp: 32357

Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.7	42.3
83	13.6	9.8	18.2





#21

2-Butanone

Concen: 1.537 ug/L

RT: 4.726 min Scan# 1053

Delta R.T. 0.016 min

Lab File: VU050198.D

Acq: 09 Aug 2022 23:09

Instrument :

MSVOA_U

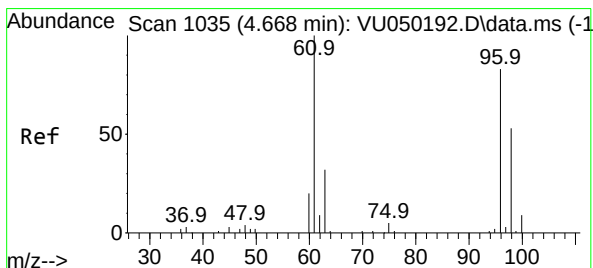
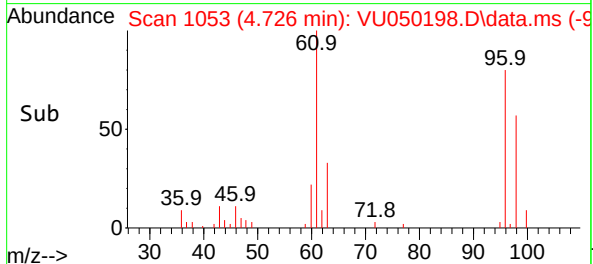
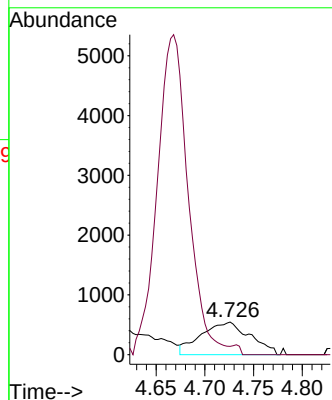
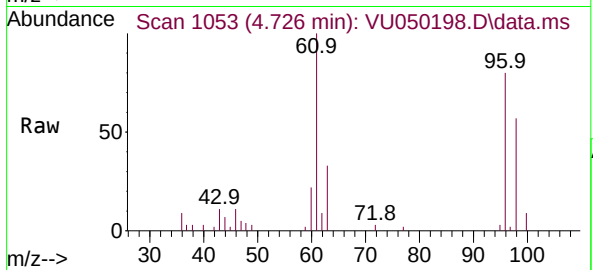
ClientSampleId :

Tgt Ion: 43 Resp: 1904

Ion Ratio Lower Upper

43 100

72 0.0 14.0 42.0#



#22

cis-1,2-Dichloroethene

Concen: 294.233 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU050198.D

Acq: 09 Aug 2022 23:09

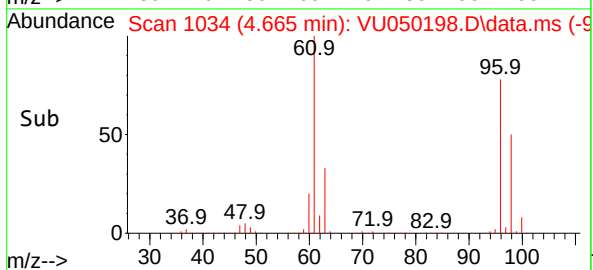
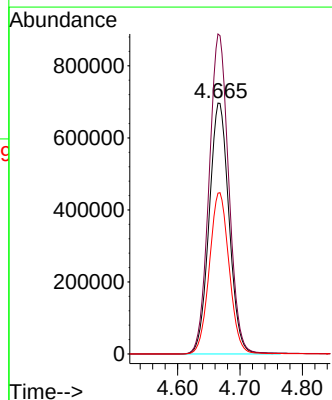
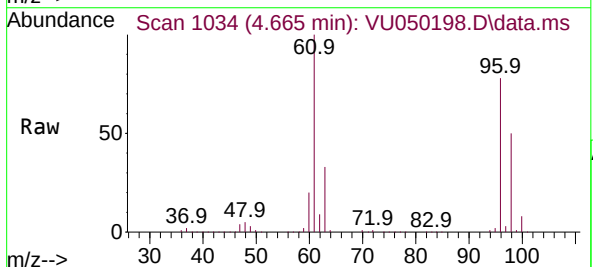
Tgt Ion: 96 Resp: 1540568

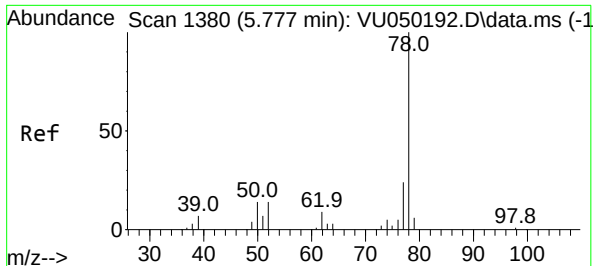
Ion Ratio Lower Upper

96 100

61 127.5 89.0 165.4

98 64.1 45.2 84.0

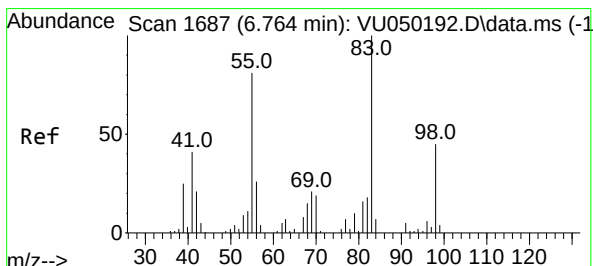
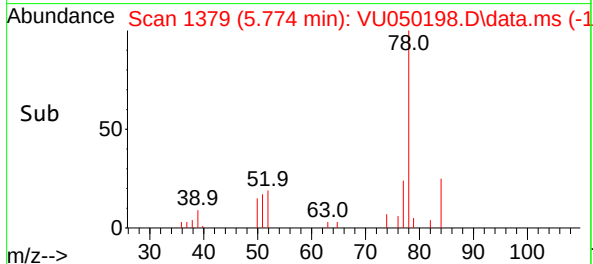
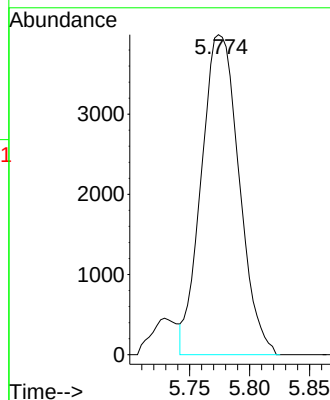
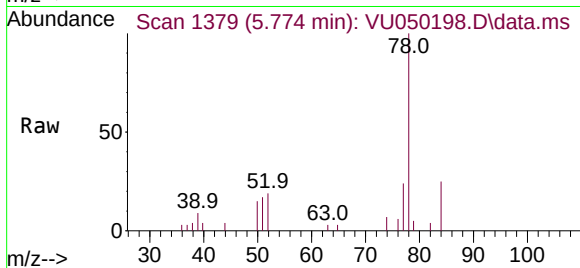




#33
Benzene
Concen: 0.428 ug/L
RT: 5.774 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050198.D
Acq: 09 Aug 2022 23:09

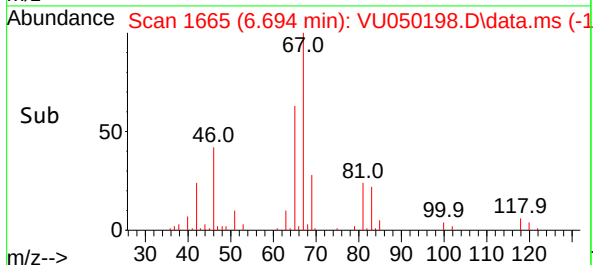
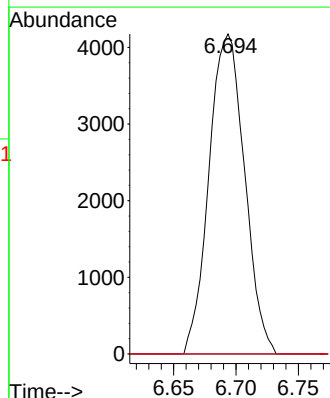
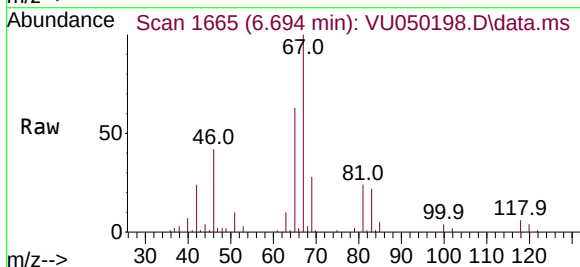
Instrument :
MSVOA_U
ClientSampleId :

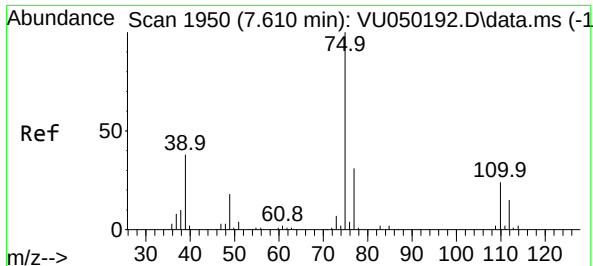
Tgt Ion: 78 Resp: 8735



#35
Methylcyclohexane
Concen: 1.304 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU050198.D
Acq: 09 Aug 2022 23:09

Tgt Ion: 83 Resp: 8299
Ion Ratio Lower Upper
83 100
55 19.7 62.7 94.1#
98 0.0 36.2 54.2#

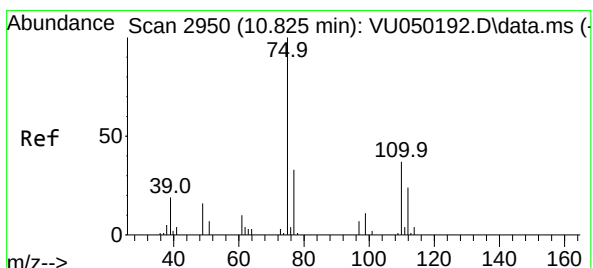
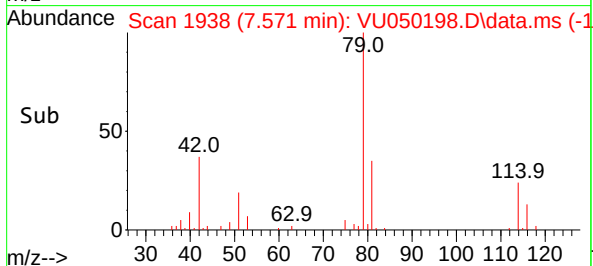
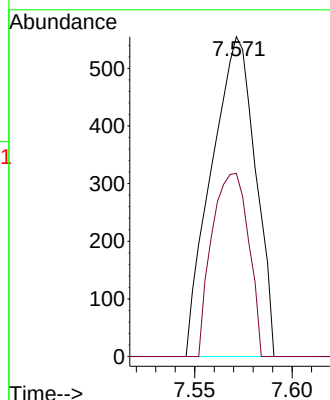
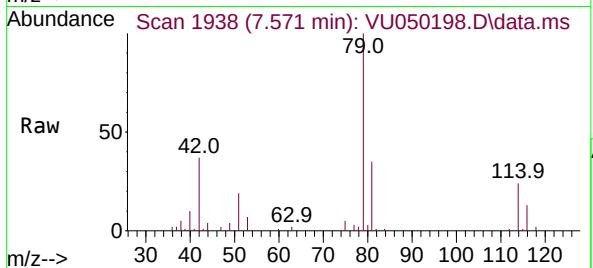




#39
cis-1,3-Dichloropropene
Concen: 0.123 ug/L
RT: 7.571 min Scan# 1950
Delta R.T. -0.039 min
Lab File: VU050198.D
Acq: 09 Aug 2022 23:09

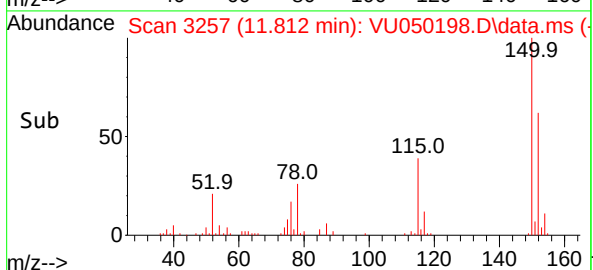
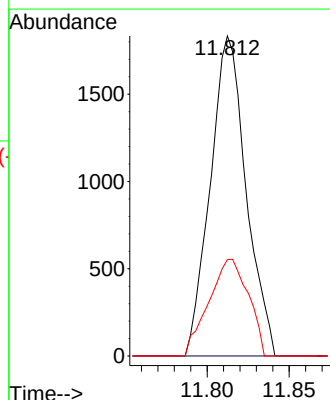
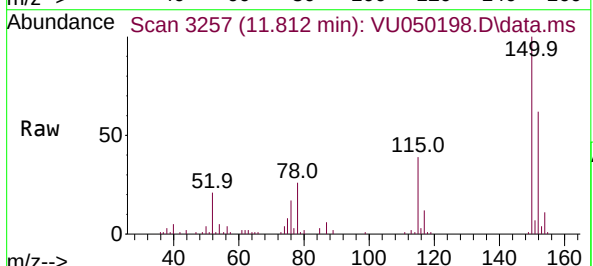
Instrument :
MSVOA_U
ClientSampleId :

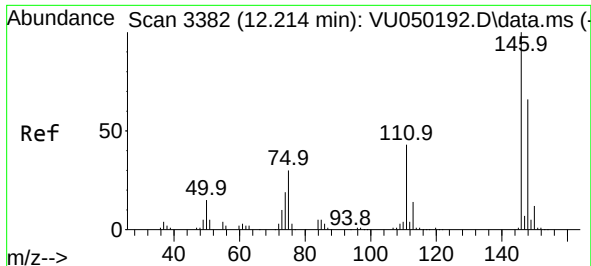
Tgt Ion: 75 Resp: 870
Ion Ratio Lower Upper
75 100
77 57.3 21.8 40.4#



#61
1,2,3-Trichloropropane
Concen: 0.909 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU050198.D
Acq: 09 Aug 2022 23:09

Tgt Ion: 75 Resp: 2776
Ion Ratio Lower Upper
75 100
110 0.0 28.5 42.7#
77 33.4 25.8 38.6





#67

1,2-Dichlorobenzene

Concen: 0.082 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

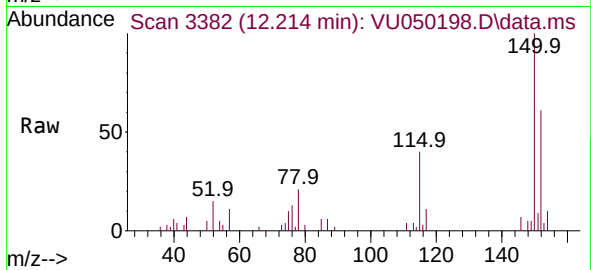
Lab File: VU050198.D

Acq: 09 Aug 2022 23:09

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 597

Ion Ratio Lower Upper

146 100

111 60.1 32.9 49.3#

148 78.2 50.4 75.6#

