

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080822\
 Data File : VU050202.D
 Acq On : 10 Aug 2022 00:48
 Operator : SY/MD
 Sample : N4076-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 06:35:45 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	60807	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	60579	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	23739	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	42289	8.357	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 167.200%#	
7) Chloroethane-d5	1.909	69	30497	7.470	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 149.400%#	
11) 1,1-Dichloroethene-d2	2.565	65	14269	7.215	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 144.200%#	
20) 2-Butanone-d5	4.626	46	96464	78.170	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 156.340%#	
24) Chloroform-d	5.063	84	61463	6.530	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 130.600%#	
26) 1,2-Dichloroethane-d4	5.703	65	32762	6.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 135.600%#	
32) Benzene-d6	5.729	84	120156	6.356	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 127.200%#	
36) 1,2-Dichloropropane-d6	6.690	67	40993	6.585	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 131.600%	
41) Toluene-d8	7.899	98	93948	5.627	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 112.600%	
43) trans-1,3-Dichloroprop...	8.182	79	12836	5.754	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 115.000%	
46) 2-Hexanone-d5	8.636	63	68500	86.589	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 173.180%#	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	36902	6.750	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 135.000%#	
66) 1,2-Dichlorobenzene-d4	12.195	152	31583	6.790	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 135.800%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	2095	0.287	ug/L	93
5) Vinyl chloride	1.600	62	77085	11.800	ug/L	98
8) Chloroethane	1.851	64	21277	5.527	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	354	0.089	ug/L #	1
12) 1,1-Dichloroethene	2.571	96	568	0.135	ug/L #	1
13) Acetone	2.629	43	7609	11.072	ug/L	96
14) Carbon disulfide	2.790	76	26940	1.795	ug/L	98
17) Methyl tert-butyl Ether	3.366	73	216604	19.745	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	211252	44.889	ug/L	95
19) 1,1-Dichloroethane	3.870	63	10259	1.151	ug/L	96
22) cis-1,2-Dichloroethene	4.668	96	73980	14.163	ug/L	99
33) Benzene	5.774	78	3514	0.166	ug/L	100
35) Methylcyclohexane	6.694	83	9316	1.406	ug/L #	21
37) 1,2-Dichloropropane	6.697	63	4083	0.722	ug/L #	89
39) cis-1,3-Dichloropropene	7.575	75	769	0.104	ug/L #	58
61) 1,2,3-Trichloropropane	11.812	75	2980	0.922	ug/L #	64
67) 1,2-Dichlorobenzene	12.214	146	2144	0.277	ug/L #	90

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Response via : Initial Calibration

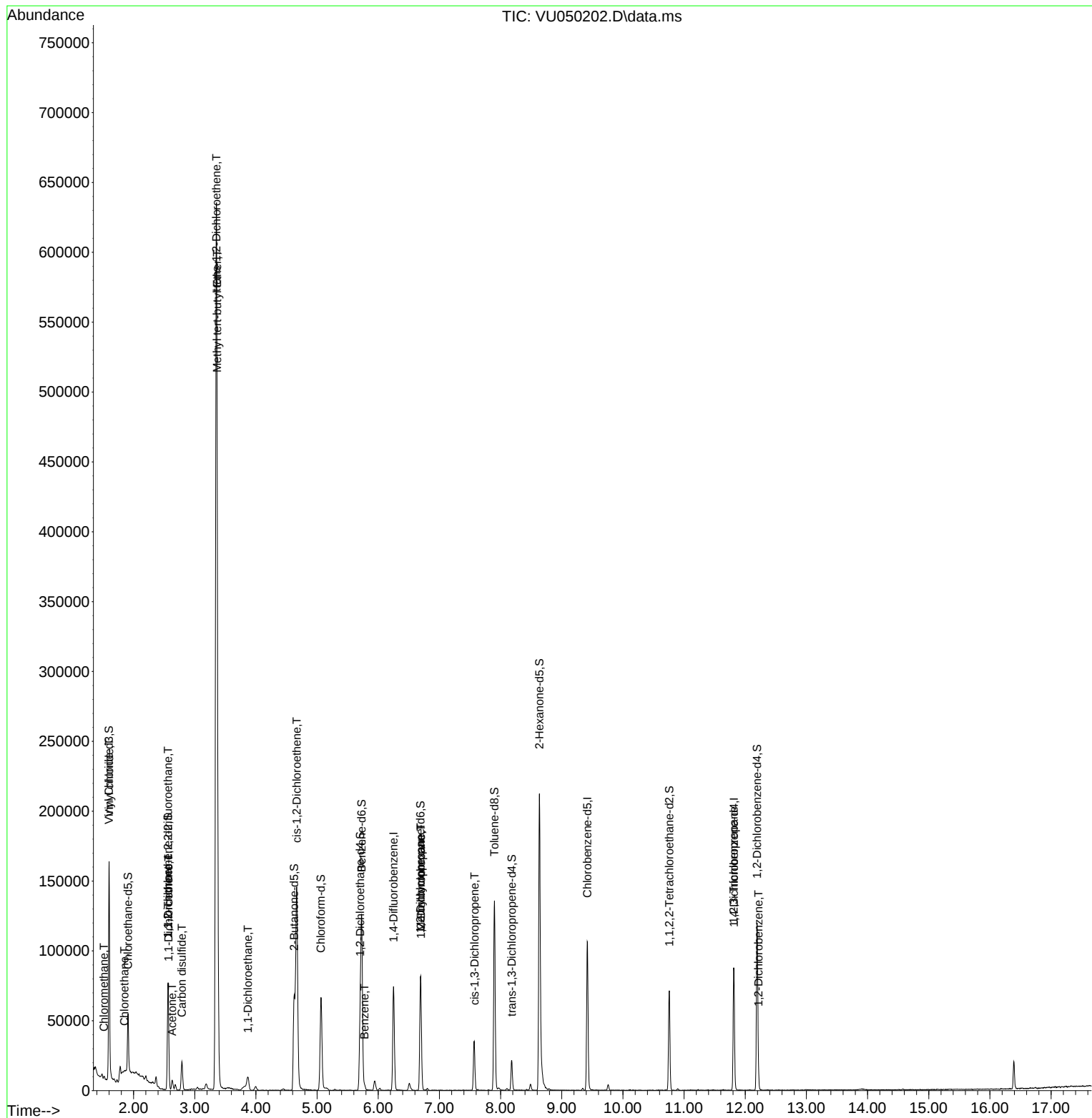
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

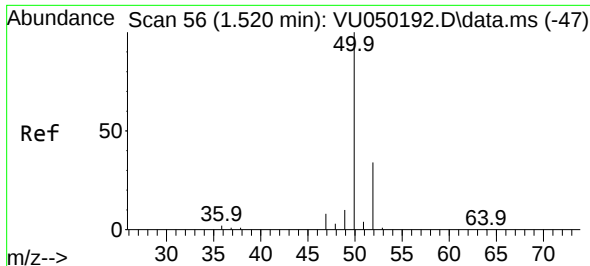
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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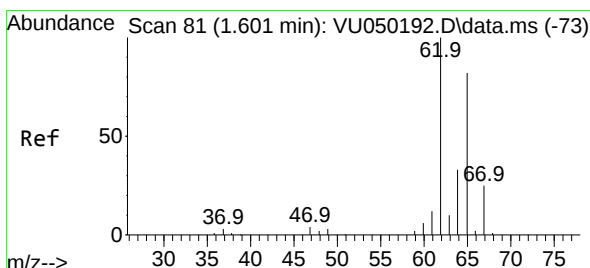
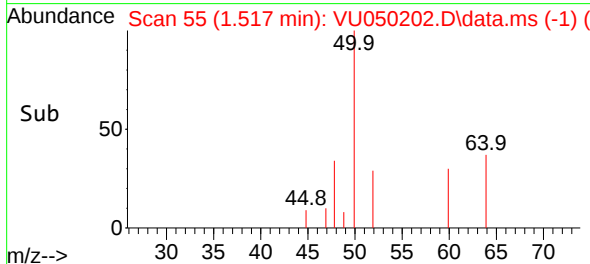
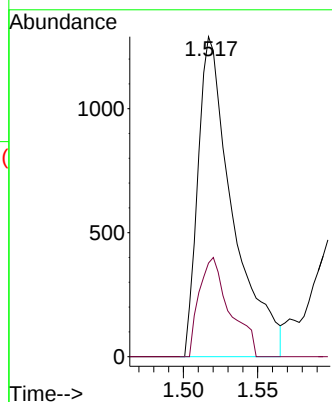
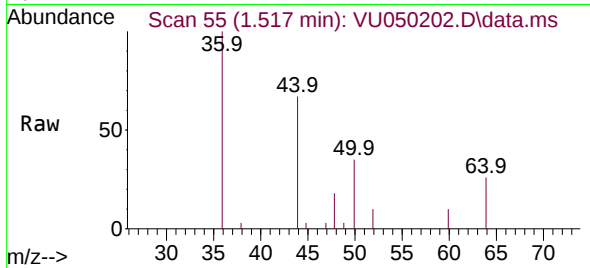




#3
Chloromethane
Concen: 0.287 ug/L
RT: 1.517 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU050202.D
Acq: 10 Aug 2022 00:48

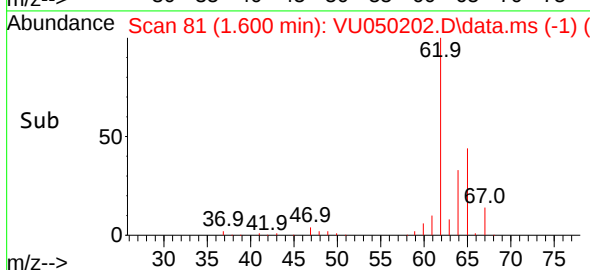
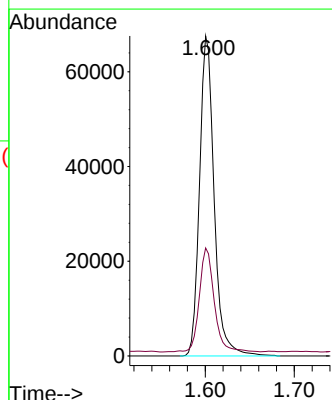
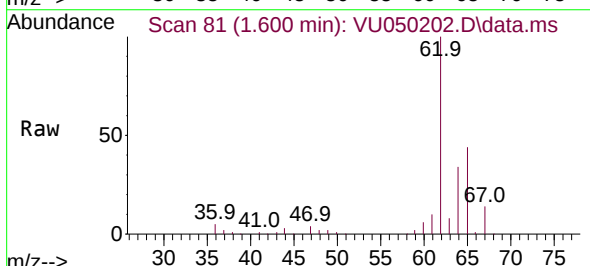
Instrument :
MSVOA_U
ClientSampleId :

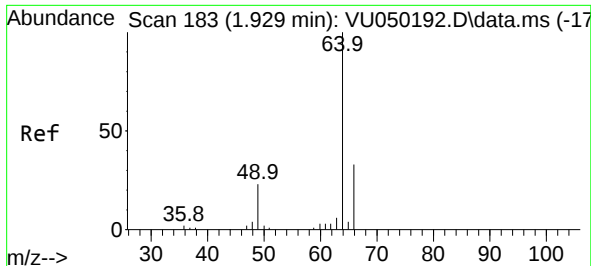
Tgt Ion: 50 Resp: 2095
Ion Ratio Lower Upper
50 100
52 29.2 23.2 43.2



#5
Vinyl chloride
Concen: 11.800 ug/L
RT: 1.600 min Scan# 81
Delta R.T. -0.000 min
Lab File: VU050202.D
Acq: 10 Aug 2022 00:48

Tgt Ion: 62 Resp: 77085
Ion Ratio Lower Upper
62 100
64 33.8 22.8 42.4





#8

Chloroethane

Concen: 5.527 ug/L

RT: 1.851 min Scan# 11

Delta R.T. -0.077 min

Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

Instrument :

MSVOA_U

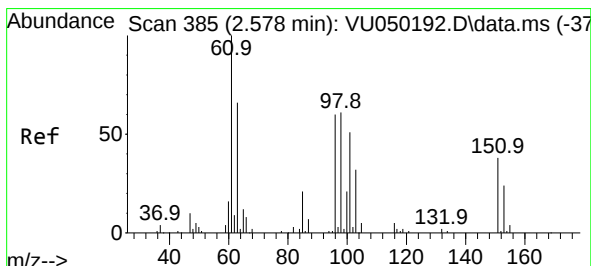
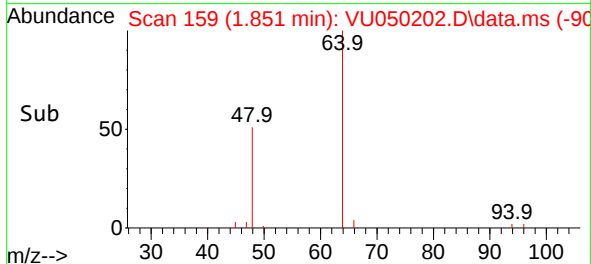
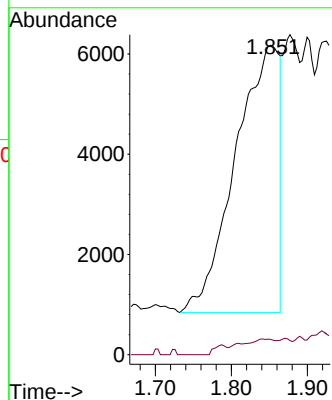
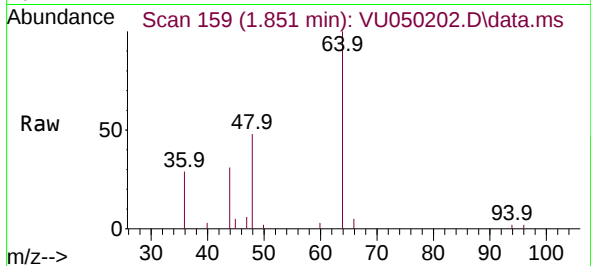
ClientSampleId :

Tgt Ion: 64 Resp: 21277

Ion Ratio Lower Upper

64 100

66 5.0 22.8 42.4#



#10

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

Concen: 0.089 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

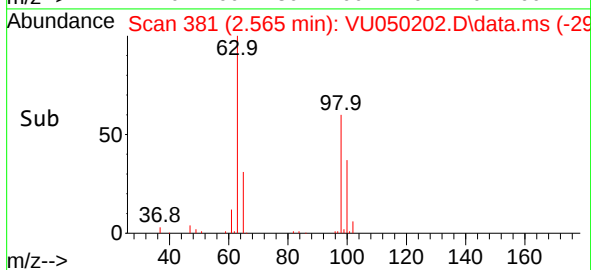
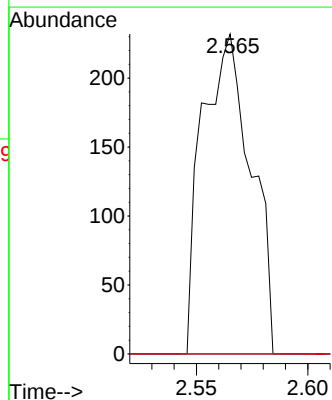
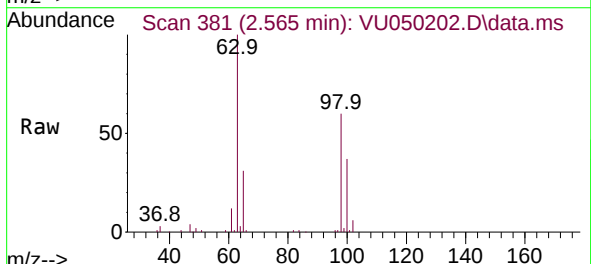
Tgt Ion:101 Resp: 354

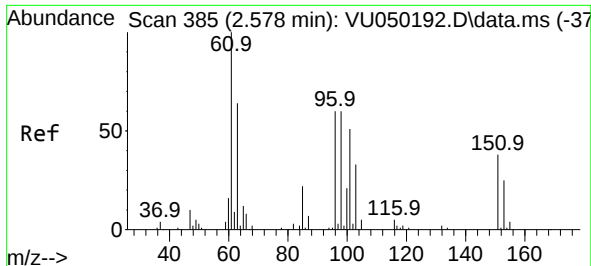
Ion Ratio Lower Upper

101 100

85 318.4 35.6 53.4#

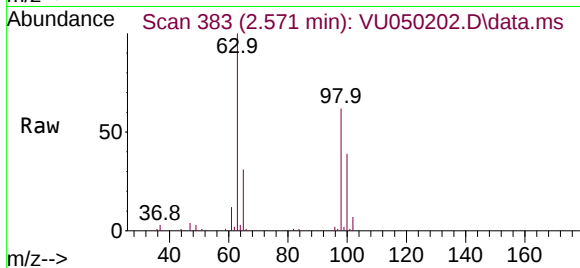
151 0.0 55.2 82.8#



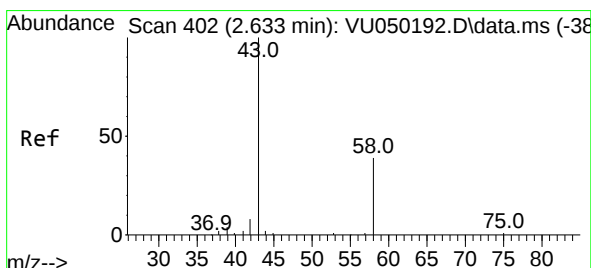
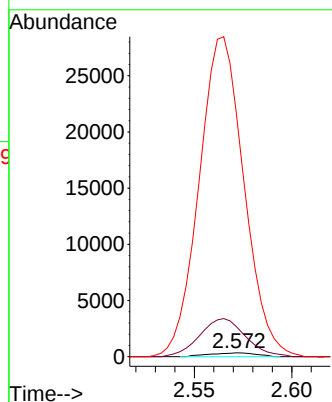
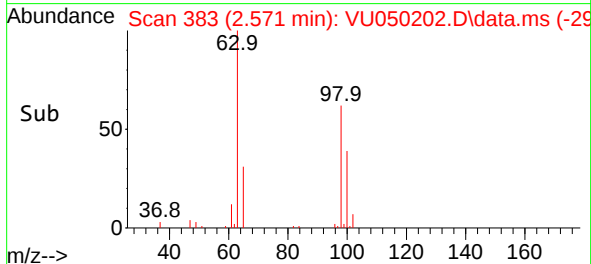


#12
1,1-Dichloroethene
Concen: 0.135 ug/L
RT: 2.571 min Scan# 31
Delta R.T. -0.006 min
Lab File: VU050202.D
Acq: 10 Aug 2022 00:48

Instrument :
MSVOA_U
ClientSampleId :

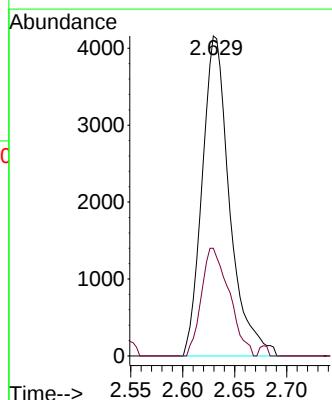
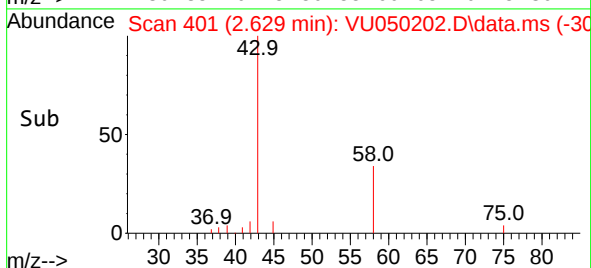
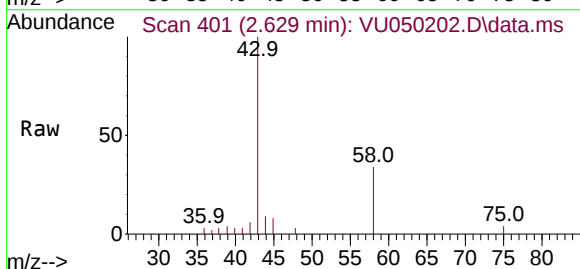


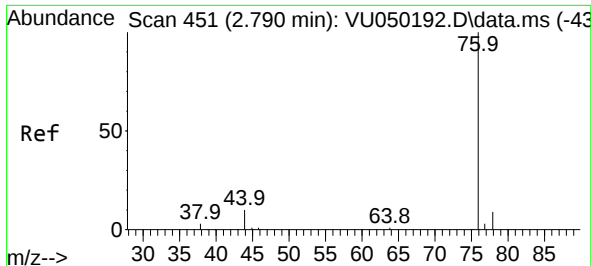
Tgt Ion: 96 Resp: 568
Ion Ratio Lower Upper
96 100
61 797.6 122.7 227.9#
63 6440.2 85.1 158.1#



#13
Acetone
Concen: 11.072 ug/L
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU050202.D
Acq: 10 Aug 2022 00:48

Tgt Ion: 43 Resp: 7609
Ion Ratio Lower Upper
43 100
58 34.2 0.0 64.0





#14

Carbon disulfide

Concen: 1.795 ug/L

RT: 2.790 min Scan# 4

Delta R.T. -0.000 min

Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

Instrument :

MSVOA_U

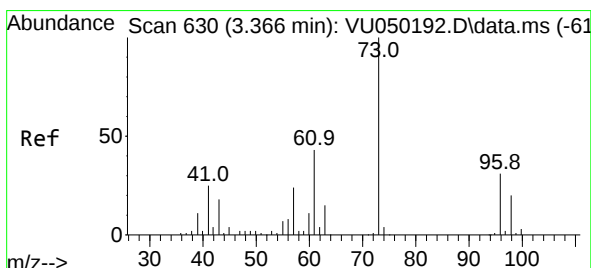
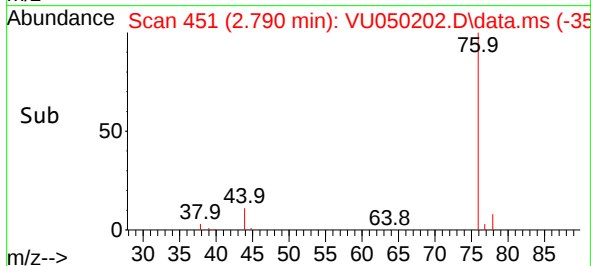
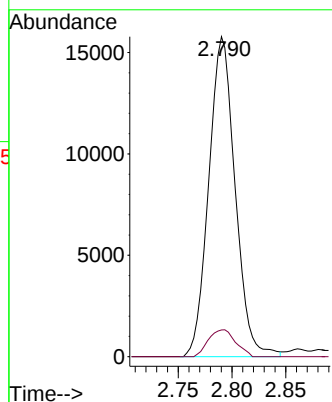
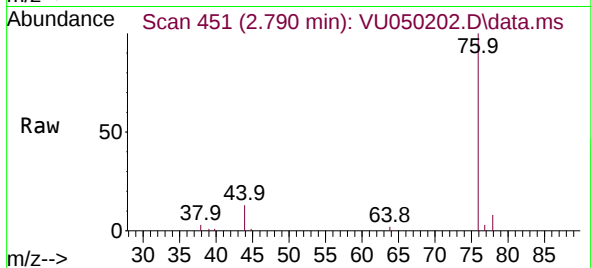
ClientSampleId :

Tgt Ion: 76 Resp: 26940

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.0



#17

Methyl tert-butyl Ether

Concen: 19.745 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.000 min

Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

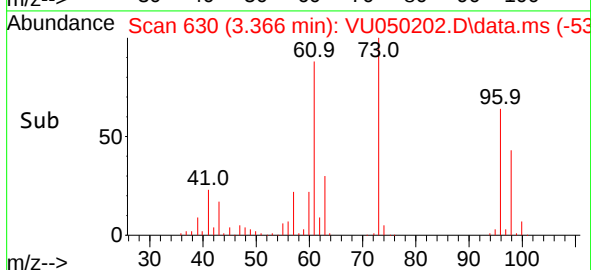
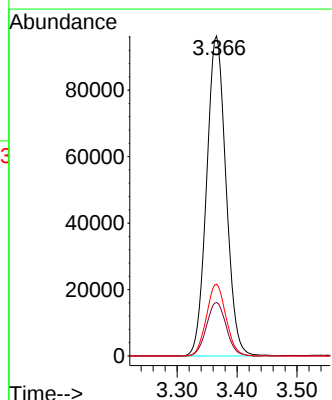
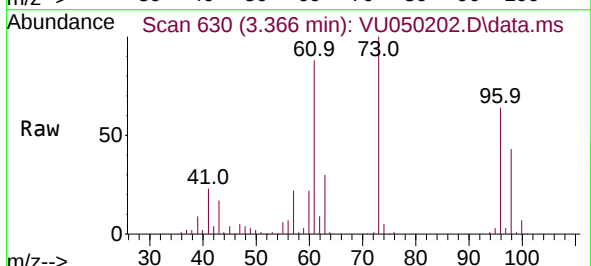
Tgt Ion: 73 Resp: 216604

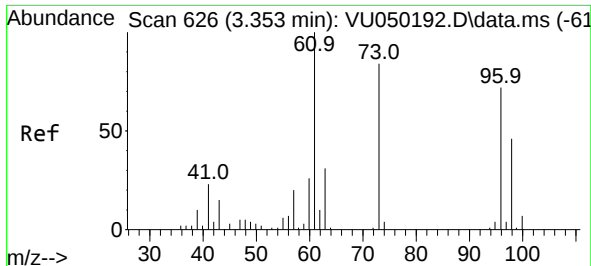
Ion Ratio Lower Upper

73 100

43 17.1 13.5 20.3

57 22.6 17.4 26.2





#18

trans-1,2-Dichloroethene

Concen: 44.889 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

Instrument :

MSVOA_U

ClientSampleId :

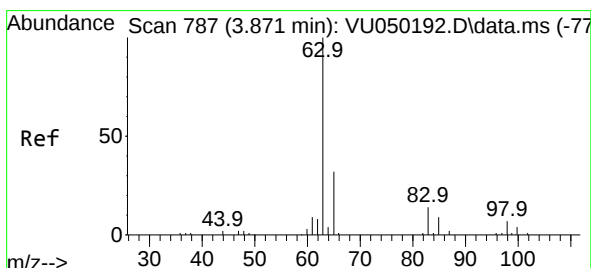
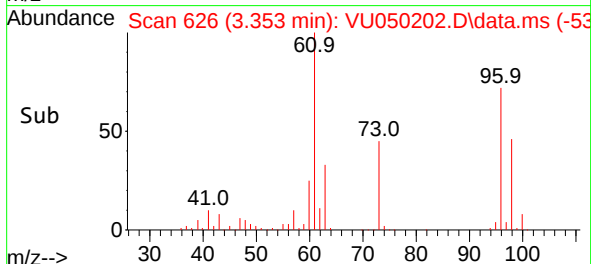
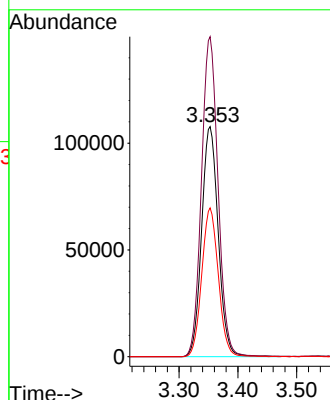
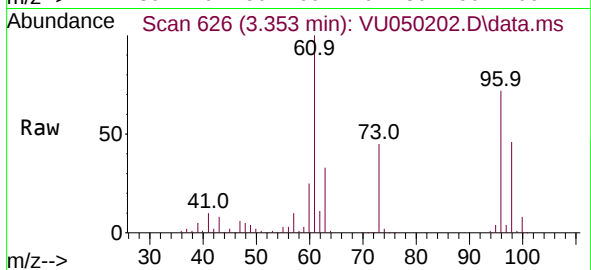
Tgt Ion: 96 Resp: 211252

Ion Ratio Lower Upper

96 100

61 139.0 92.3 171.5

98 64.6 43.2 80.2



#19

1,1-Dichloroethane

Concen: 1.151 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.000 min

Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

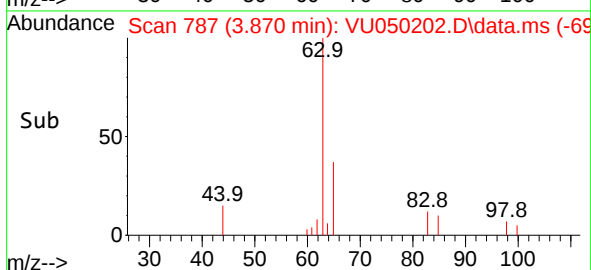
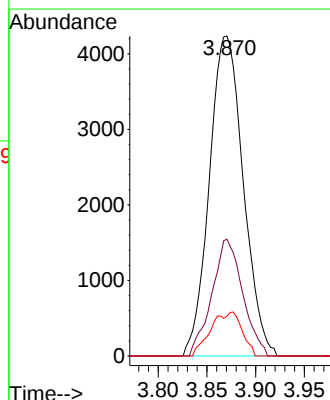
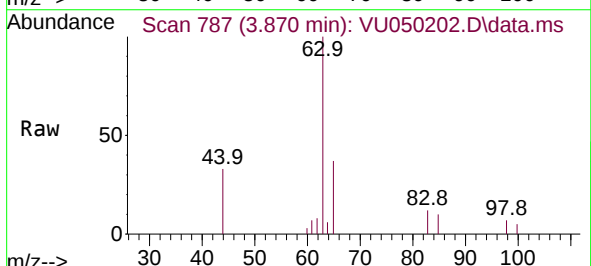
Tgt Ion: 63 Resp: 10259

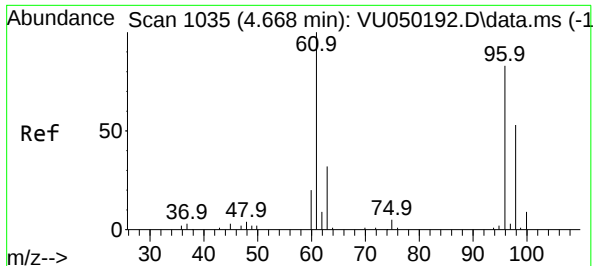
Ion Ratio Lower Upper

63 100

65 34.3 22.7 42.3

83 11.6 9.8 18.2





#22

cis-1,2-Dichloroethene

Concen: 14.163 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

Instrument :

MSVOA_U

ClientSampleId :

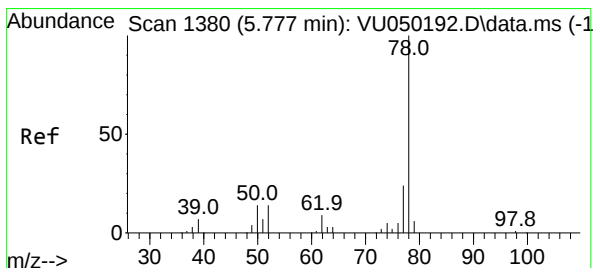
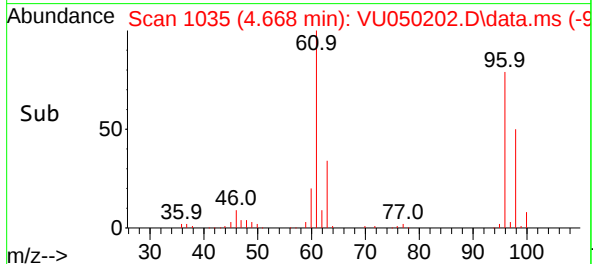
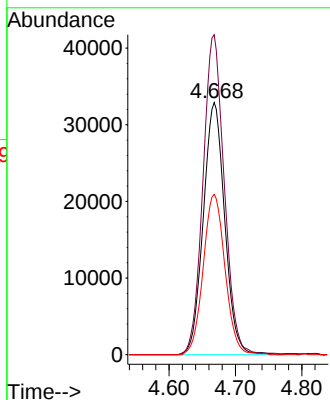
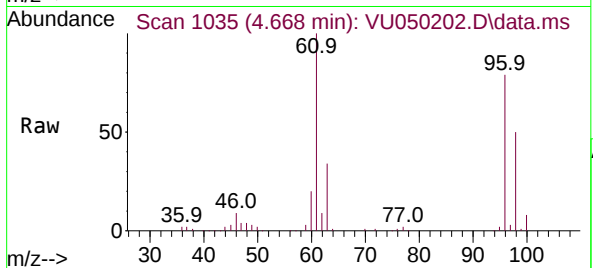
Tgt Ion: 96 Resp: 73980

Ion Ratio Lower Upper

96 100

61 126.9 89.0 165.4

98 63.6 45.2 84.0



#33

Benzene

Concen: 0.166 ug/L

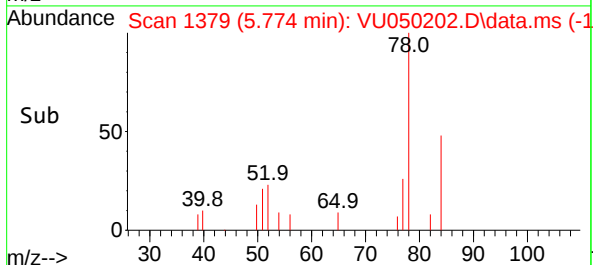
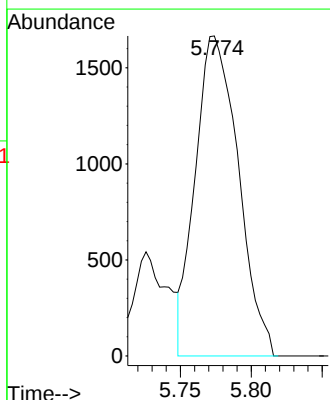
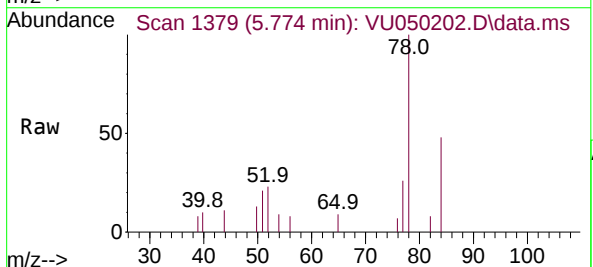
RT: 5.774 min Scan# 1379

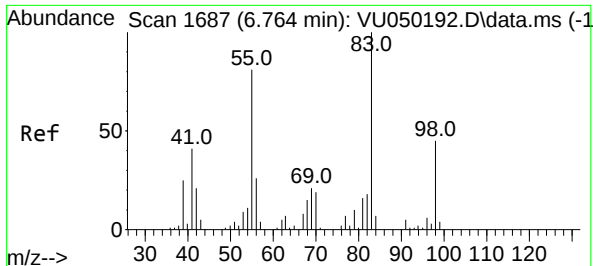
Delta R.T. -0.003 min

Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

Tgt Ion: 78 Resp: 3514





#35

Methylcyclohexane

Concen: 1.406 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU050202.D

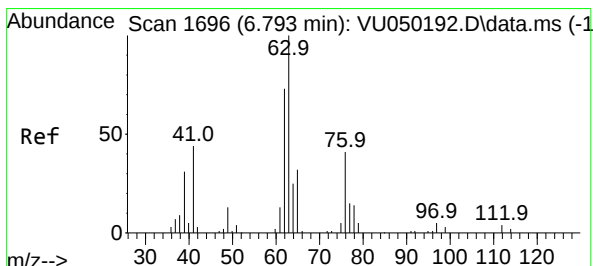
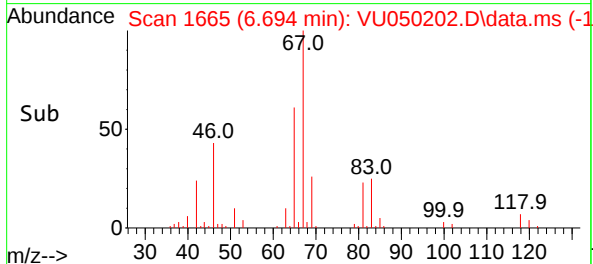
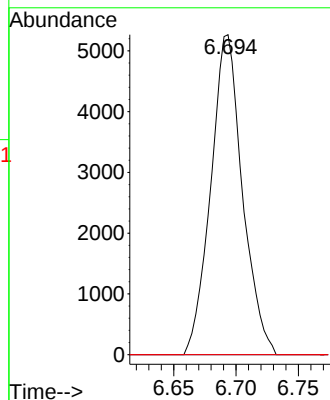
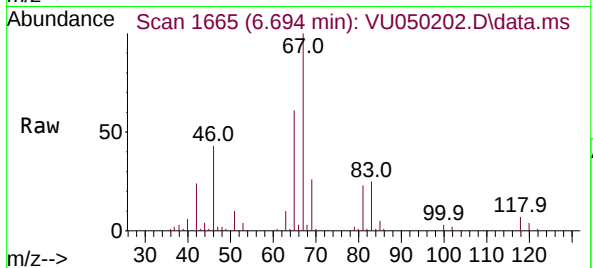
Acq: 10 Aug 2022 00:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 9316
Ion Ratio	Lower Upper
83	100
55	4.7 62.7 94.1#
98	0.0 36.2 54.2#



#37

1,2-Dichloropropane

Concen: 0.722 ug/L

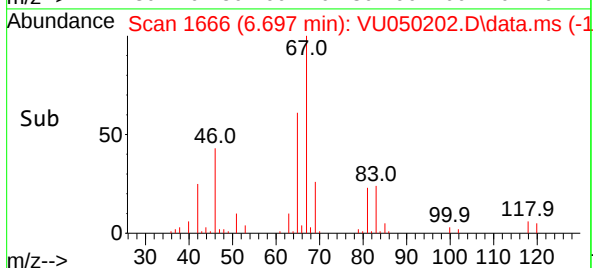
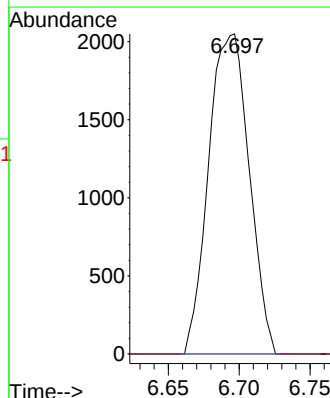
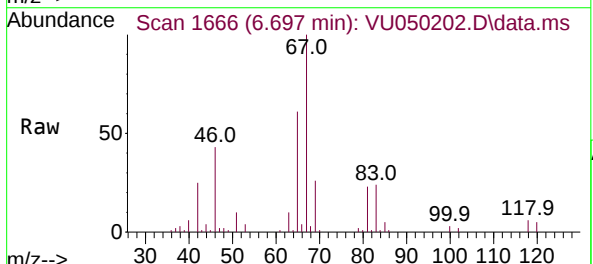
RT: 6.697 min Scan# 1666

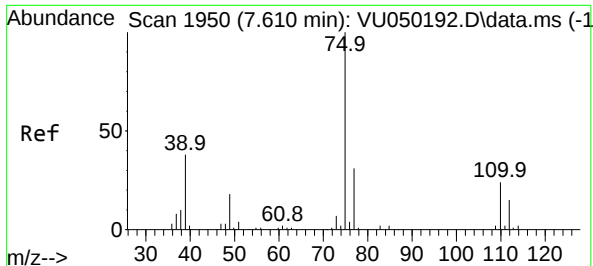
Delta R.T. -0.096 min

Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

Tgt Ion: 63	Resp: 4083
Ion Ratio	Lower Upper
63	100
112	0.0 3.0 4.4#





#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.575 min Scan# 19

Delta R.T. -0.035 min

Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

Instrument :

MSVOA_U

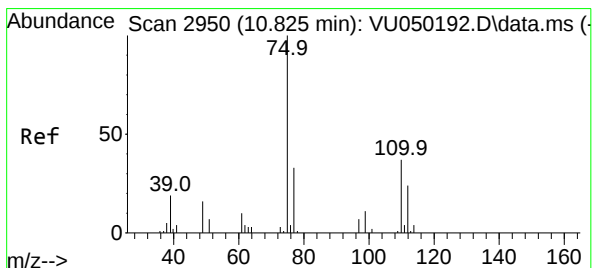
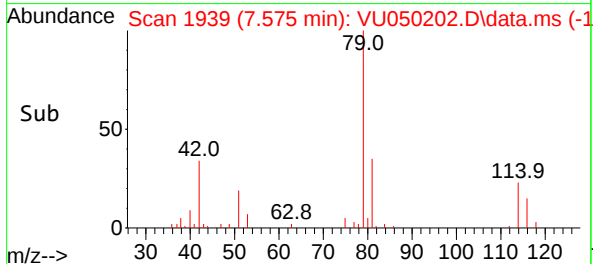
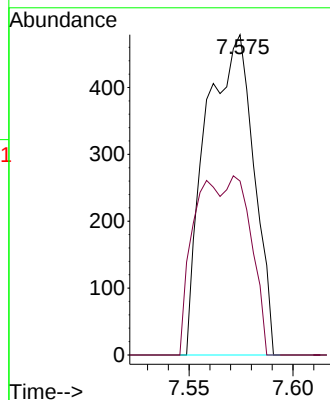
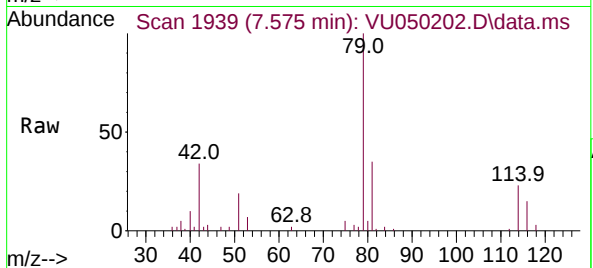
ClientSampleId :

Tgt Ion: 75 Resp: 769

Ion Ratio Lower Upper

75 100

77 54.3 21.8 40.4#



#61

1,2,3-Trichloropropane

Concen: 0.922 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

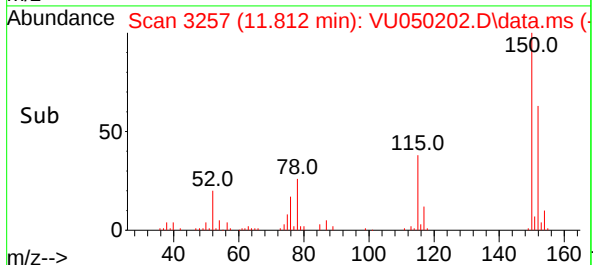
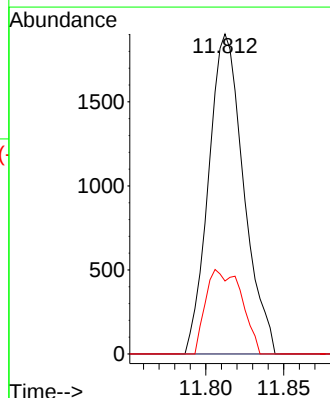
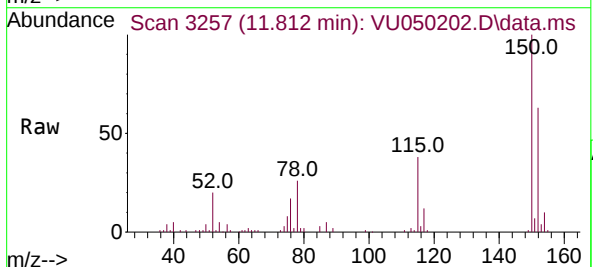
Tgt Ion: 75 Resp: 2980

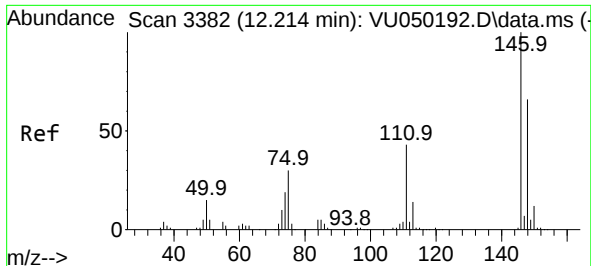
Ion Ratio Lower Upper

75 100

110 0.0 28.5 42.7#

77 26.9 25.8 38.6





#67

1,2-Dichlorobenzene

Concen: 0.277 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

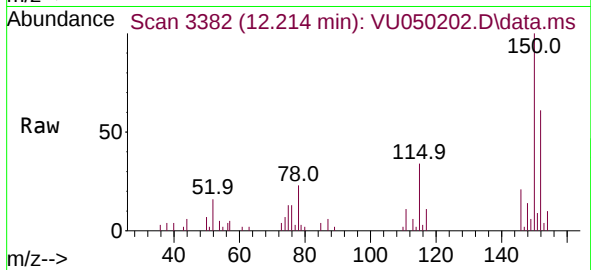
Lab File: VU050202.D

Acq: 10 Aug 2022 00:48

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	146	Resp:	2144
Ion	Ratio	Lower	Upper
146	100		
111	51.4	32.9	49.3#
148	67.7	50.4	75.6

