

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013122\
 Data File : VU046922.D
 Acq On : 31 Jan 2022 17:03
 Operator : SY/MD
 Sample : N1328-19 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 01 00:27:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 01 00:23:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	112111	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	124498	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	55196	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	51940	5.467	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 109.400%		
7) Chloroethane-d5	1.919	69	38621	5.160	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 103.200%		
11) 1,1-Dichloroethene-d2	2.565	65	20147	5.332	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 106.600%		
20) 2-Butanone-d5	4.661	46	125293	44.520	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 89.040%		
24) Chloroform-d	5.066	84	73843	4.428	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 88.600%		
26) 1,2-Dichloroethane-d4	5.703	65	43001	4.735	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 94.600%		
32) Benzene-d6	5.729	84	153310	4.190	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 83.800%		
36) 1,2-Dichloropropane-d6	6.693	67	47813	4.352	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 87.000%		
41) Toluene-d8	7.899	98	123393	3.684	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 73.600%		
43) trans-1,3-Dichloroprop...	8.185	79	18877	3.913	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 78.200%		
46) 2-Hexanone-d5	8.658	63	109416	38.300	ug/L	0.02
Spiked Amount	50.000	Range 45 - 130	Recovery	= 76.600%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	45607	4.135	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 82.600%		
66) 1,2-Dichlorobenzene-d4	12.198	152	43749	4.226	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 84.600%		
Target Compounds						Qvalue
3) Chloromethane	1.526	50	2528	0.291	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	505	0.077	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	4047	0.646	ug/L #	1
19) 1,1-Dichloroethane	3.880	63	4712	0.414	ug/L	98
22) cis-1,2-Dichloroethene	4.668	96	123734	17.299	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	3116	0.278	ug/L	99
34) Trichloroethene	6.542	95	60378	7.934	ug/L	97
35) Methylcyclohexane	6.690	83	10920	0.857	ug/L #	17
37) 1,2-Dichloropropane	6.690	63	5176	0.720	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	1172	0.104	ug/L #	64
45) 1,1,2-Trichloroethane	8.555	97	1241	0.203	ug/L #	16
47) Tetrachloroethene	8.555	164	130512	21.086	ug/L	96
49) Dibromochloromethane	8.555	129	130578	18.095	ug/L #	10
51) Chlorobenzene	9.452	112	12614	0.620	ug/L	99
61) 1,2,3-Trichloropropane	11.815	75	9863	2.109	ug/L #	63
64) 1,3-Dichlorobenzene	11.841	146	9657	0.751	ug/L	96
65) 1,4-Dichlorobenzene	11.841	146	9657	0.747	ug/L	96

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QLast Update : Tue Feb 01 00:23:47 2022
Response via : Initial Calibration

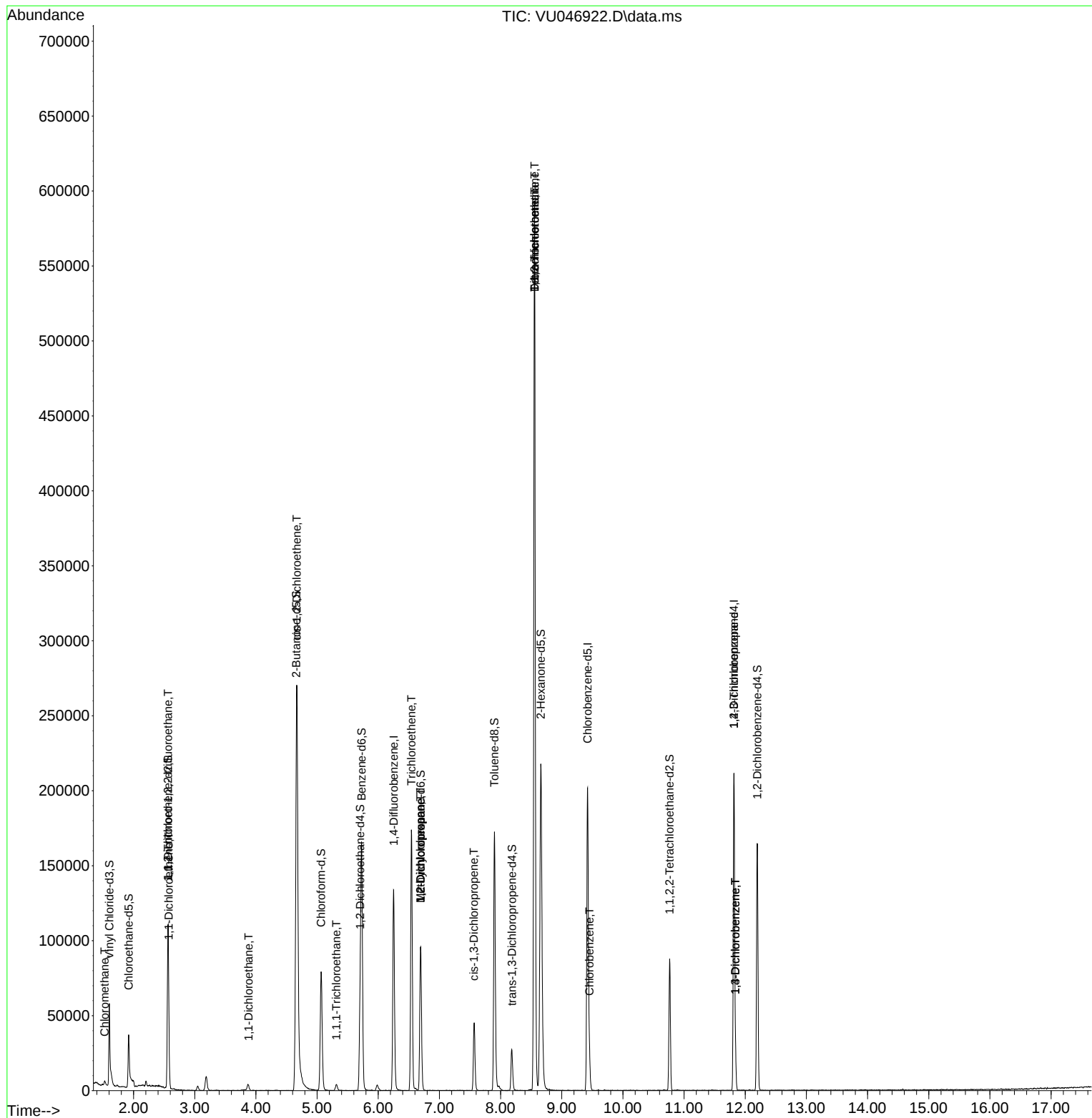
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

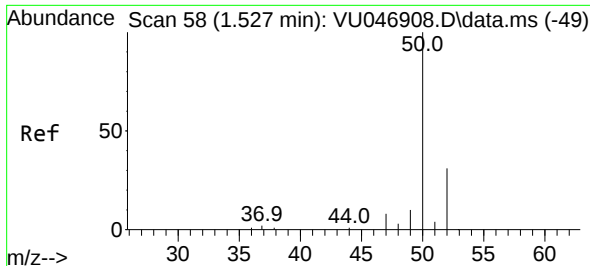
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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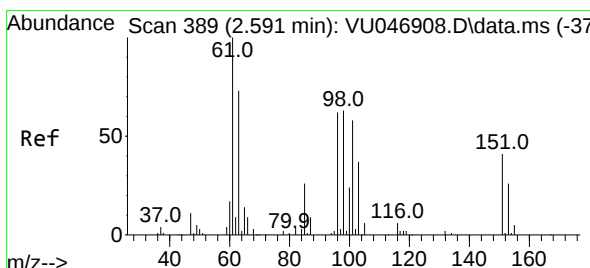
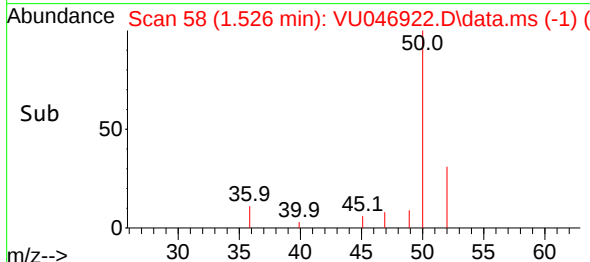
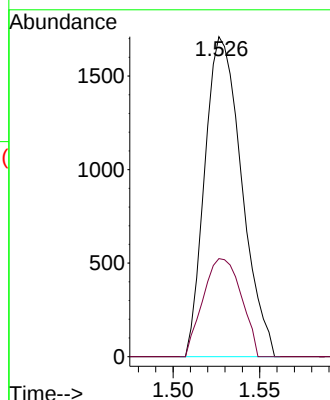
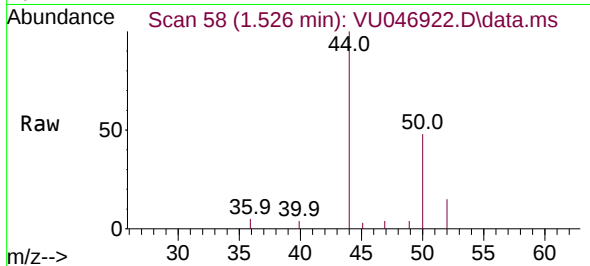




#3
Chloromethane
Concen: 0.291 ug/L
RT: 1.526 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU046922.D
Acq: 31 Jan 2022 17:03

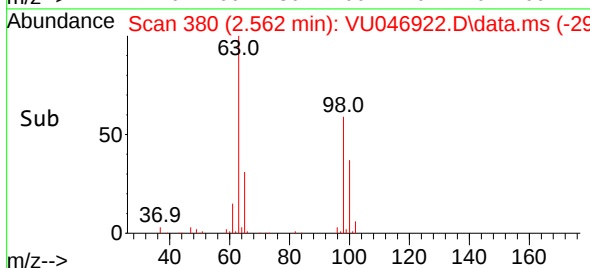
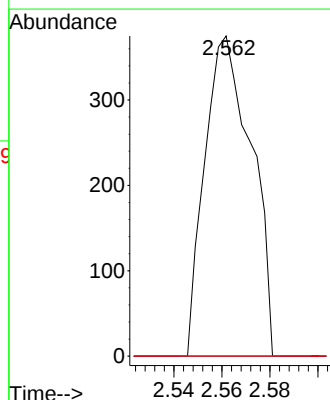
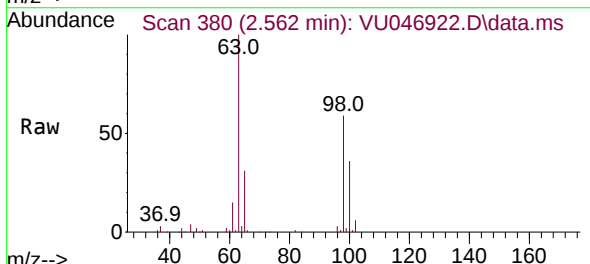
Instrument :
MSVOA_U
ClientSampleId :

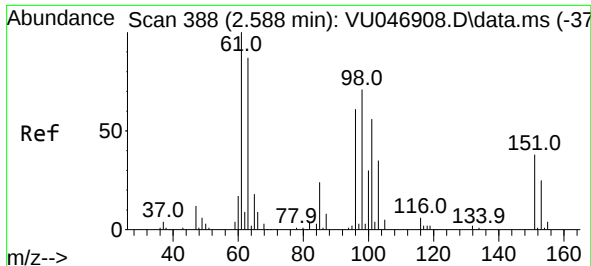
Tgt Ion: 50 Resp: 2528
Ion Ratio Lower Upper
50 100
52 30.6 23.0 42.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.077 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.029 min
Lab File: VU046922.D
Acq: 31 Jan 2022 17:03

Tgt Ion: 101 Resp: 505
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.646 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.013 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

Instrument :

MSVOA_U

ClientSampleId :

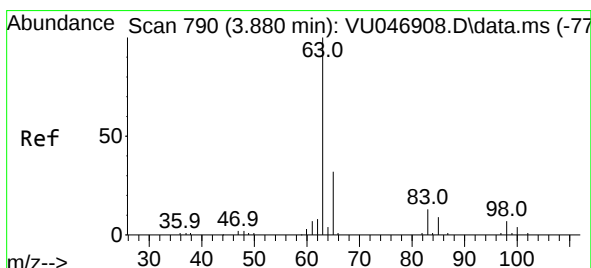
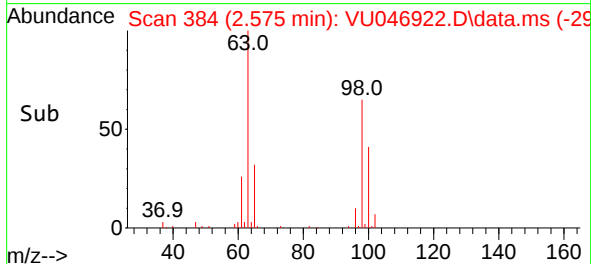
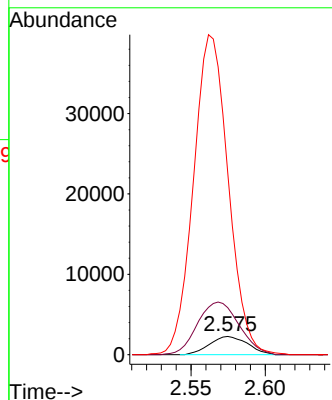
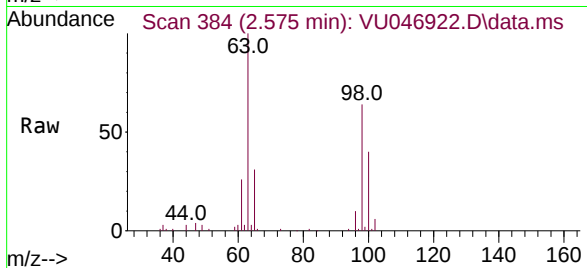
Tgt Ion: 96 Resp: 4047

Ion Ratio Lower Upper

96 100

61 256.8 124.7 231.5#

63 995.6 105.2 195.4#



#19

1,1-Dichloroethane

Concen: 0.414 ug/L

RT: 3.880 min Scan# 790

Delta R.T. -0.000 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

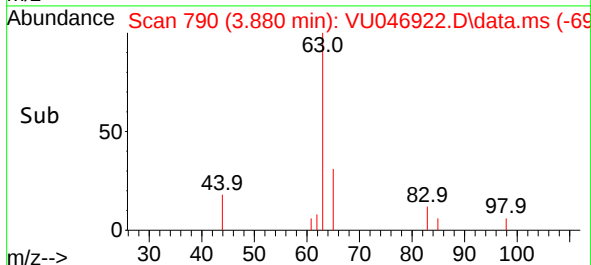
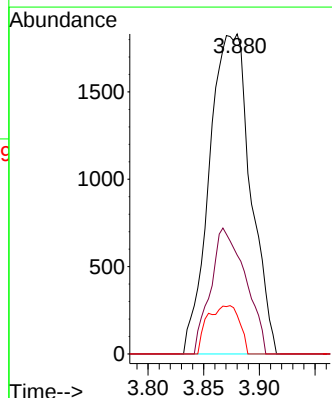
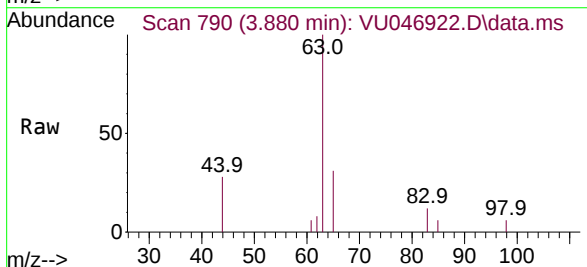
Tgt Ion: 63 Resp: 4712

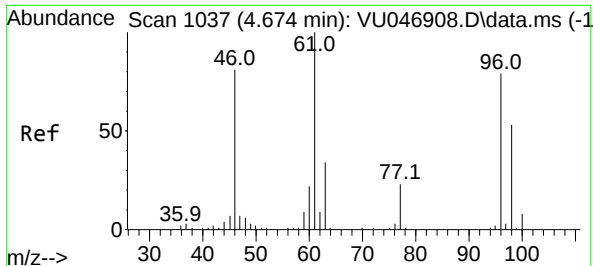
Ion Ratio Lower Upper

63 100

65 30.9 22.3 41.5

83 12.1 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 17.299 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.007 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

Instrument :

MSVOA_U

ClientSampleId :

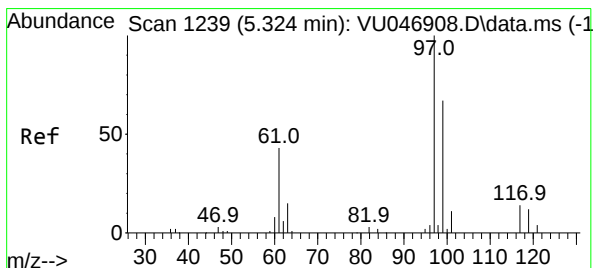
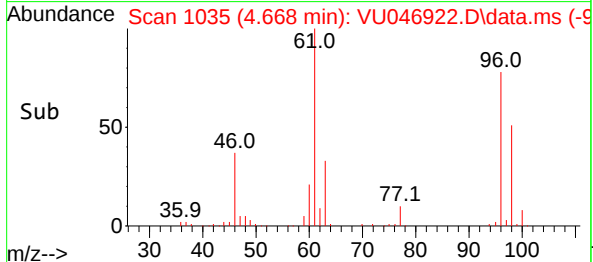
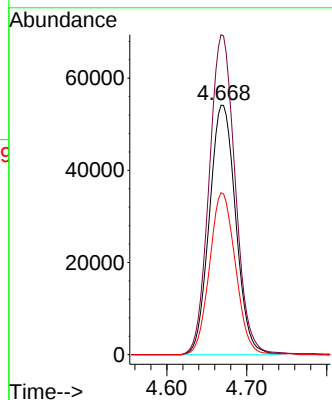
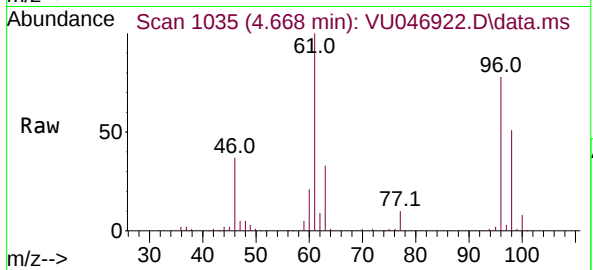
Tgt Ion: 96 Resp: 123734

Ion Ratio Lower Upper

96 100

61 128.3 88.5 164.3

98 64.9 44.4 82.5



#29

1,1,1-Trichloroethane

Concen: 0.278 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.010 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

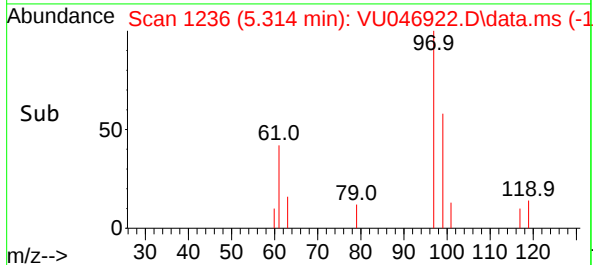
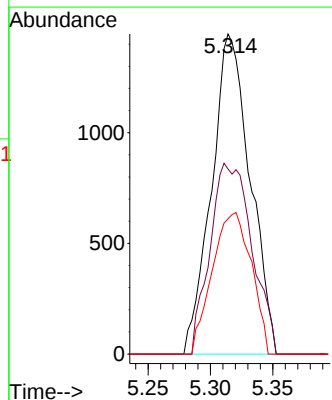
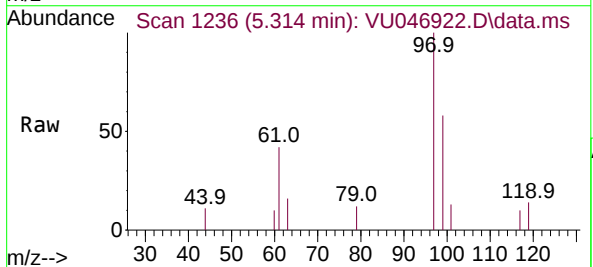
Tgt Ion: 97 Resp: 3116

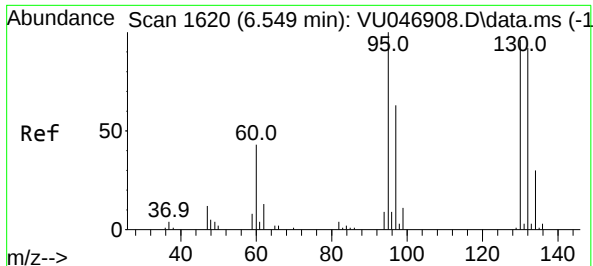
Ion Ratio Lower Upper

97 100

99 64.7 51.3 76.9

61 44.7 36.1 54.1

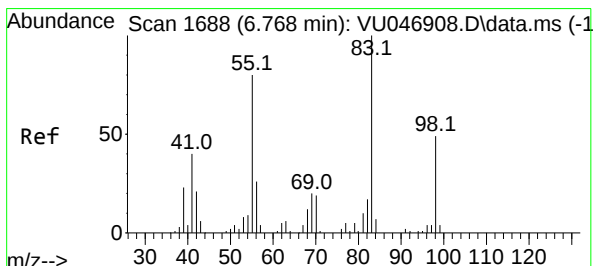
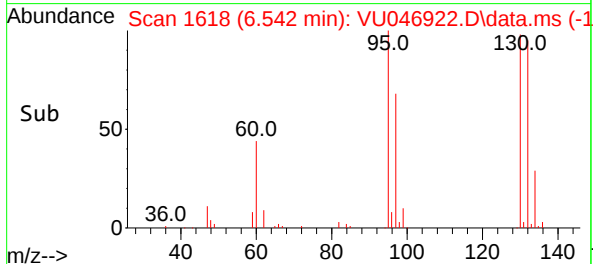
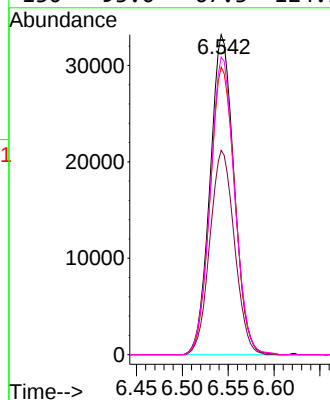
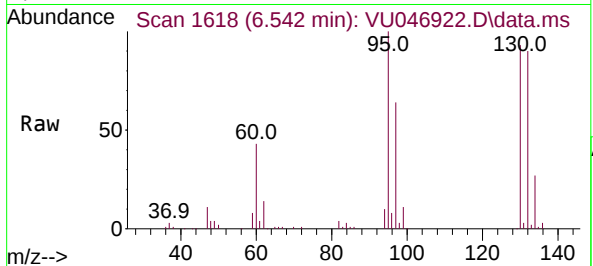




#34
Trichloroethene
Concen: 7.934 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.007 min
Lab File: VU046922.D
Acq: 31 Jan 2022 17:03

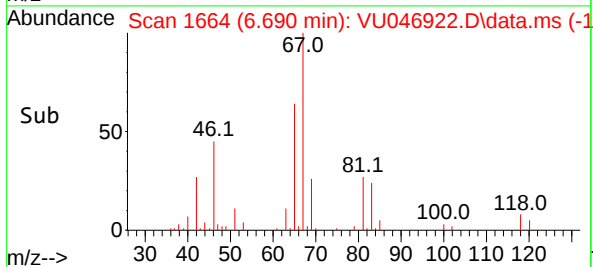
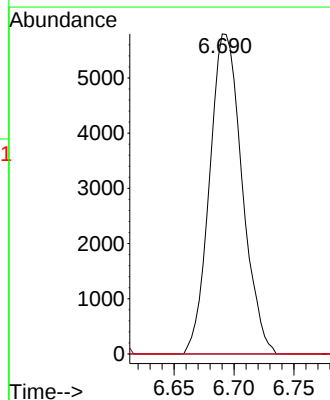
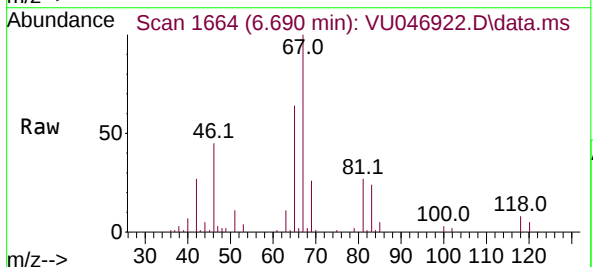
Instrument :
MSVOA_U
ClientSampleId :

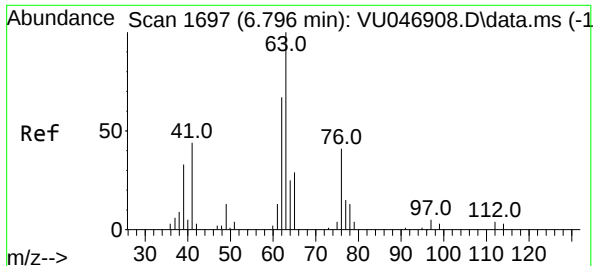
Tgt Ion: 95 Resp: 60378
Ion Ratio Lower Upper
95 100
97 63.8 46.5 86.5
132 89.9 65.1 120.9
130 93.0 67.3 124.9



#35
Methylcyclohexane
Concen: 0.857 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046922.D
Acq: 31 Jan 2022 17:03

Tgt Ion: 83 Resp: 10920
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.720 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.106 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

Instrument :

MSVOA_U

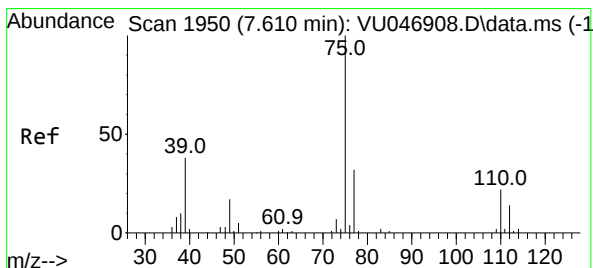
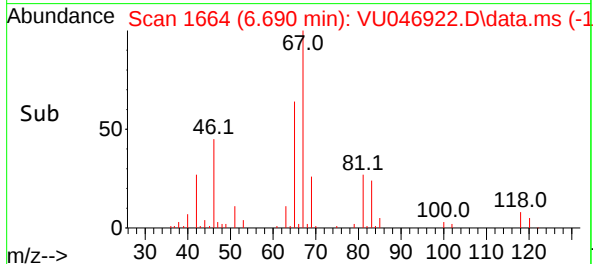
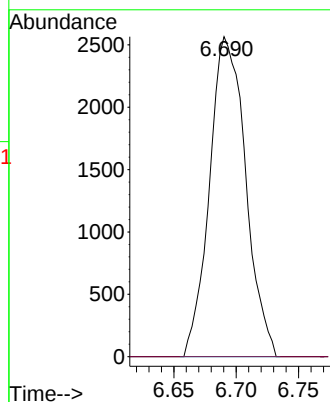
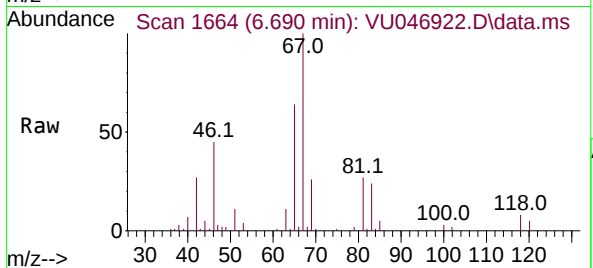
ClientSampleId :

Tgt Ion: 63 Resp: 5176

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046922.D

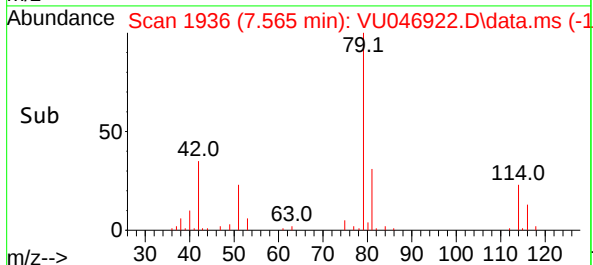
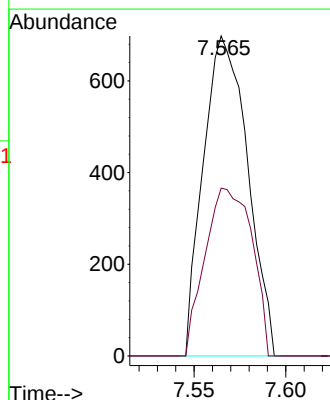
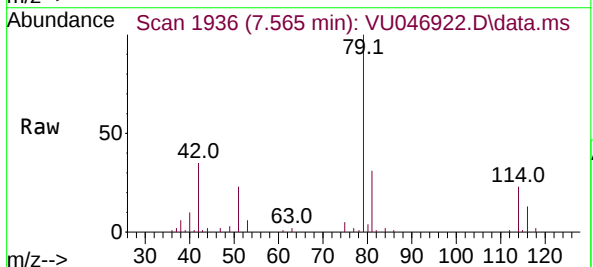
Acq: 31 Jan 2022 17:03

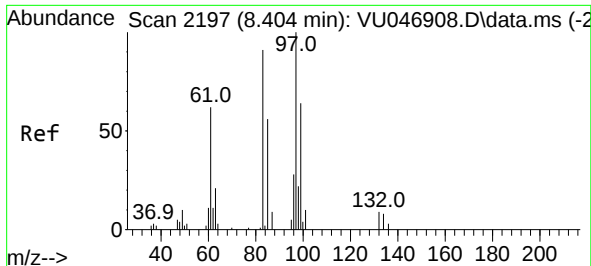
Tgt Ion: 75 Resp: 1172

Ion Ratio Lower Upper

75 100

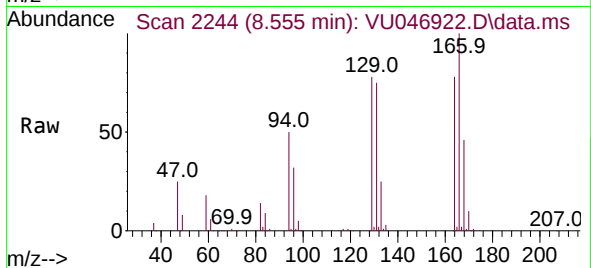
77 52.4 22.5 41.9#



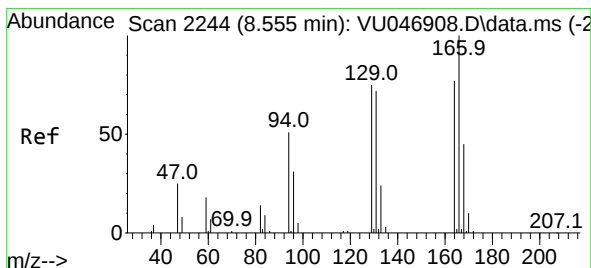
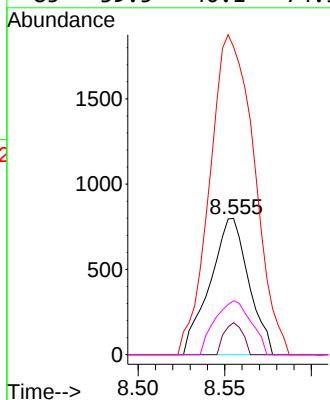
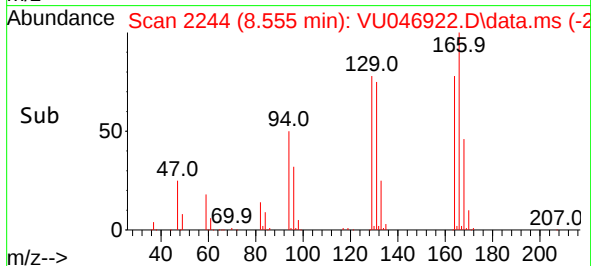


#45
1,1,2-Trichloroethane
Concen: 0.203 ug/L
RT: 8.555 min Scan# 2197
Delta R.T. 0.151 min
Lab File: VU046922.D
Acq: 31 Jan 2022 17:03

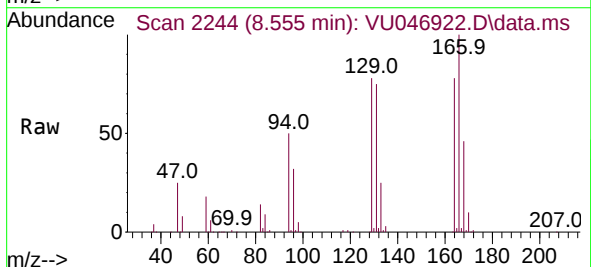
Instrument :
MSVOA_U
ClientSampleId :



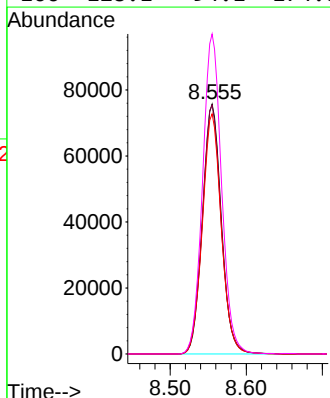
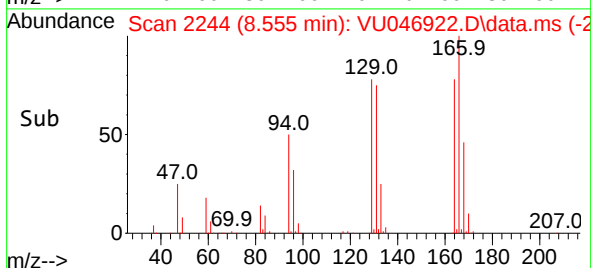
Tgt Ion: 97	Resp: 1241
Ion Ratio	Lower Upper
97	100
99	23.5 42.3 78.5#
83	225.8 62.0 115.2#
85	39.5 40.1 74.5#

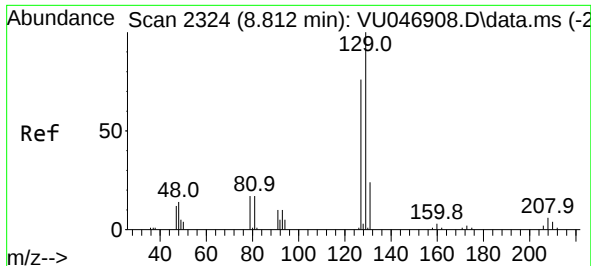


#47
Tetrachloroethene
Concen: 21.086 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046922.D
Acq: 31 Jan 2022 17:03



Tgt Ion: 164	Resp: 130512
Ion Ratio	Lower Upper
164	100
129	99.6 71.8 133.4
131	96.1 68.5 127.3
166	128.1 94.1 174.8





#49

Dibromochloromethane

Concen: 18.095 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

Instrument :

MSVOA_U

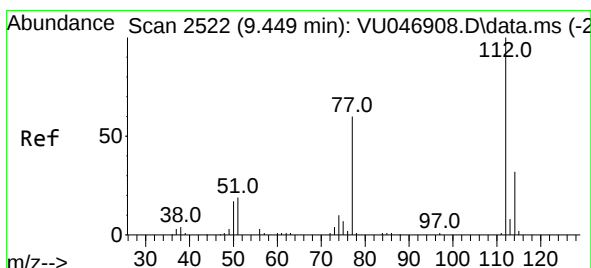
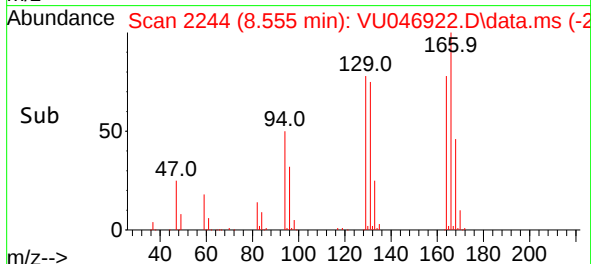
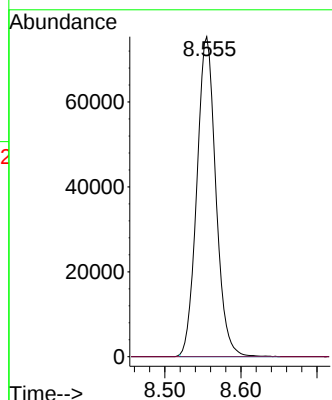
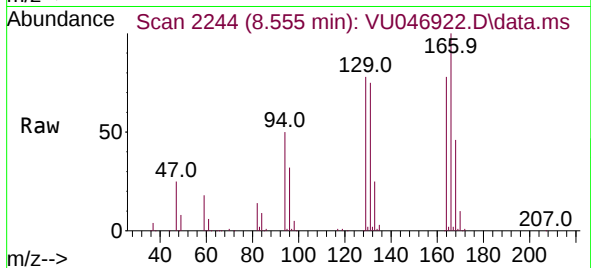
ClientSampleId :

Tgt Ion:129 Resp: 130578

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#51

Chlorobenzene

Concen: 0.620 ug/L

RT: 9.452 min Scan# 2523

Delta R.T. 0.003 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

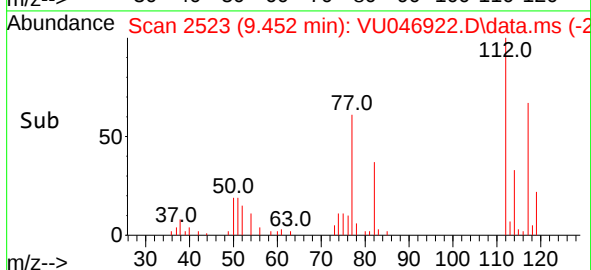
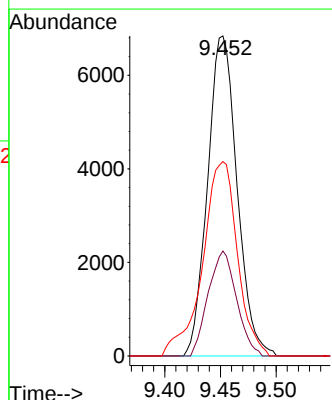
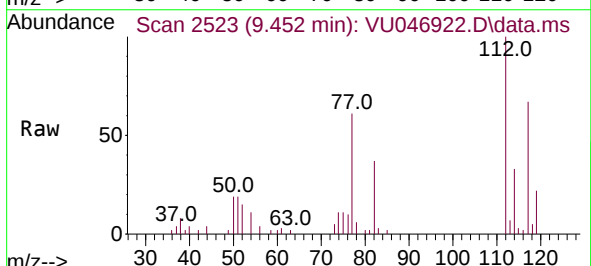
Tgt Ion:112 Resp: 12614

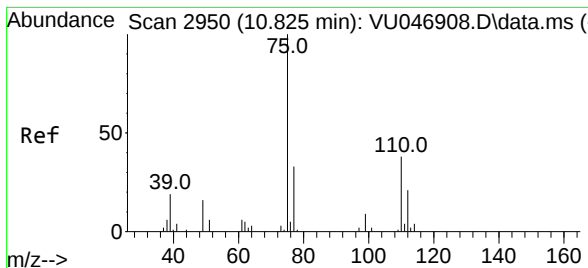
Ion Ratio Lower Upper

112 100

114 32.8 22.1 41.1

77 60.8 48.3 72.5





#61

1,2,3-Trichloropropane

Concen: 2.109 ug/L

RT: 11.815 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

Instrument :

MSVOA_U

ClientSampleId :

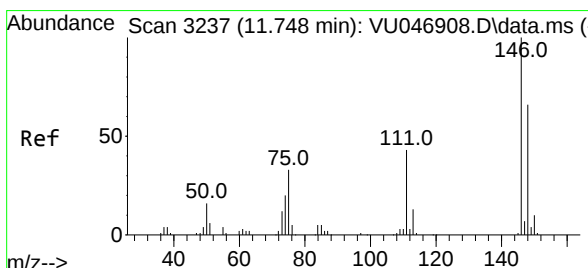
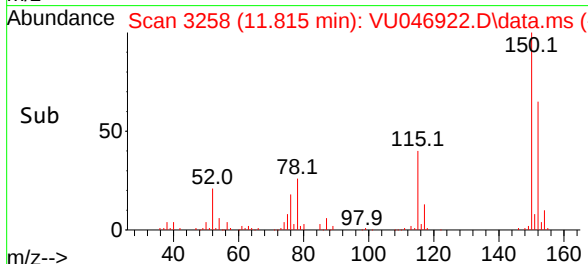
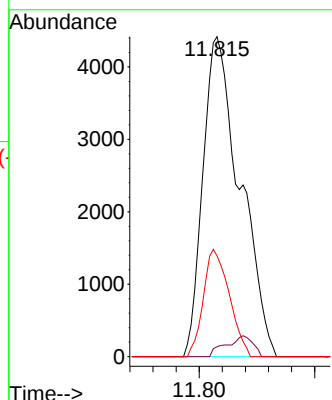
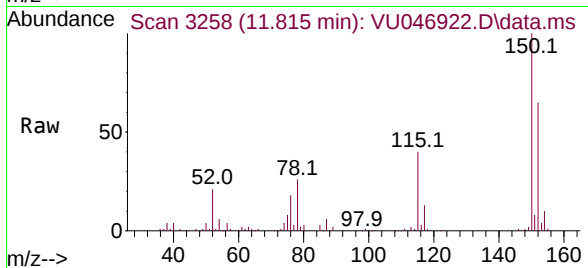
Tgt Ion: 75 Resp: 9863

Ion Ratio Lower Upper

75 100

110 4.7 29.9 44.9#

77 23.3 25.5 38.3#



#64

1,3-Dichlorobenzene

Concen: 0.751 ug/L

RT: 11.841 min Scan# 3266

Delta R.T. 0.093 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

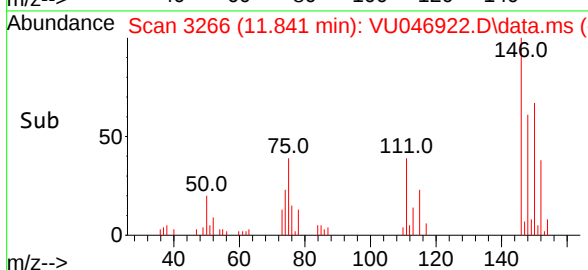
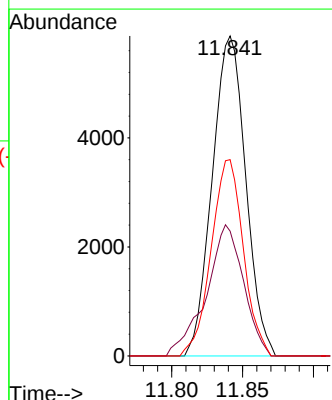
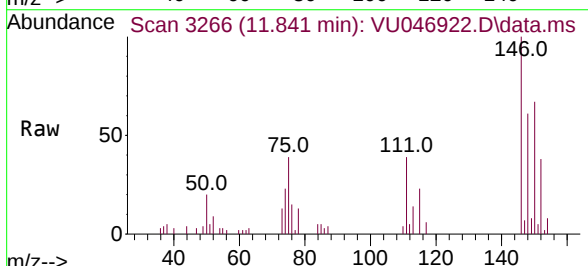
Tgt Ion:146 Resp: 9657

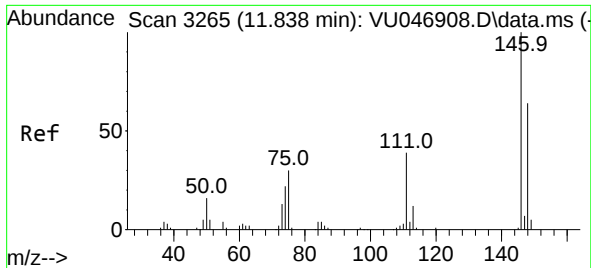
Ion Ratio Lower Upper

146 100

111 39.0 29.9 55.5

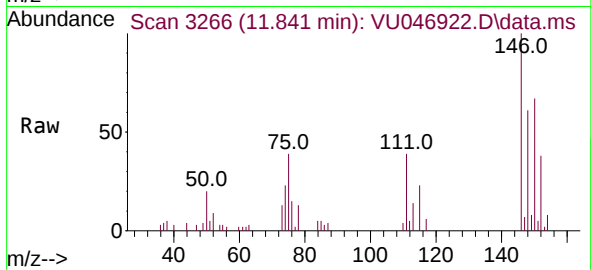
148 61.3 44.3 82.3





#65
 1,4-Dichlorobenzene
 Concen: 0.747 ug/L
 RT: 11.841 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU046922.D
 Acq: 31 Jan 2022 17:03

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:146 Resp: 9657
 Ion Ratio Lower Upper
 146 100
 111 39.0 28.7 53.3
 148 61.3 45.8 85.0

