

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
 Data File : VU051614.D
 Acq On : 31 Oct 2022 16:19
 Operator : JC/MD
 Sample : N5353-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBWX9

Quant Time: Nov 01 01:27:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 01 01:25:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	187645	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	200687	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	81830	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	54322	3.844	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.800%
7) Chloroethane-d5	1.909	69	64326	4.364	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	2.562	65	20511	3.999	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	4.620	46	284943	55.673	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.340%
24) Chloroform-d	5.060	84	157830	4.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.700	65	88944	4.979	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.726	84	274750	4.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.690	67	103895	4.692	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.896	98	181471	3.644	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
43) trans-1,3-Dichloroprop...	8.179	79	26289	3.882	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.600%
46) 2-Hexanone-d5	8.629	63	206083	50.558	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.120%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	101780	5.015	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	73597	4.900	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						Qvalue
3) Chloromethane	1.523	50	3756	0.145	ug/L	84
5) Vinyl chloride	1.604	62	53086	2.142	ug/L #	1
8) Chloroethane	2.022	64	2063	0.137	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	656	0.041	ug/L #	19
12) 1,1-Dichloroethene	2.578	96	2931	0.180	ug/L #	1
18) trans-1,2-Dichloroethene	3.353	96	37278	2.129	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	451211	23.292	ug/L	99
34) Trichloroethene	6.539	95	43260	2.263	ug/L	99
35) Methylcyclohexane	6.687	83	24847	0.940	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	10570	0.519	ug/L #	88
47) Tetrachloroethene	8.552	164	39019	2.666	ug/L	97
49) Dibromochloromethane	8.552	129	37685	2.210	ug/L #	10
51) Chlorobenzene	9.446	112	6026	0.118	ug/L	91
61) 1,2,3-Trichloropropane	11.809	75	10258	0.969	ug/L #	65
65) 1,4-Dichlorobenzene	11.838	146	2733	0.092	ug/L	94
67) 1,2-Dichlorobenzene	12.211	146	5104	0.176	ug/L	95

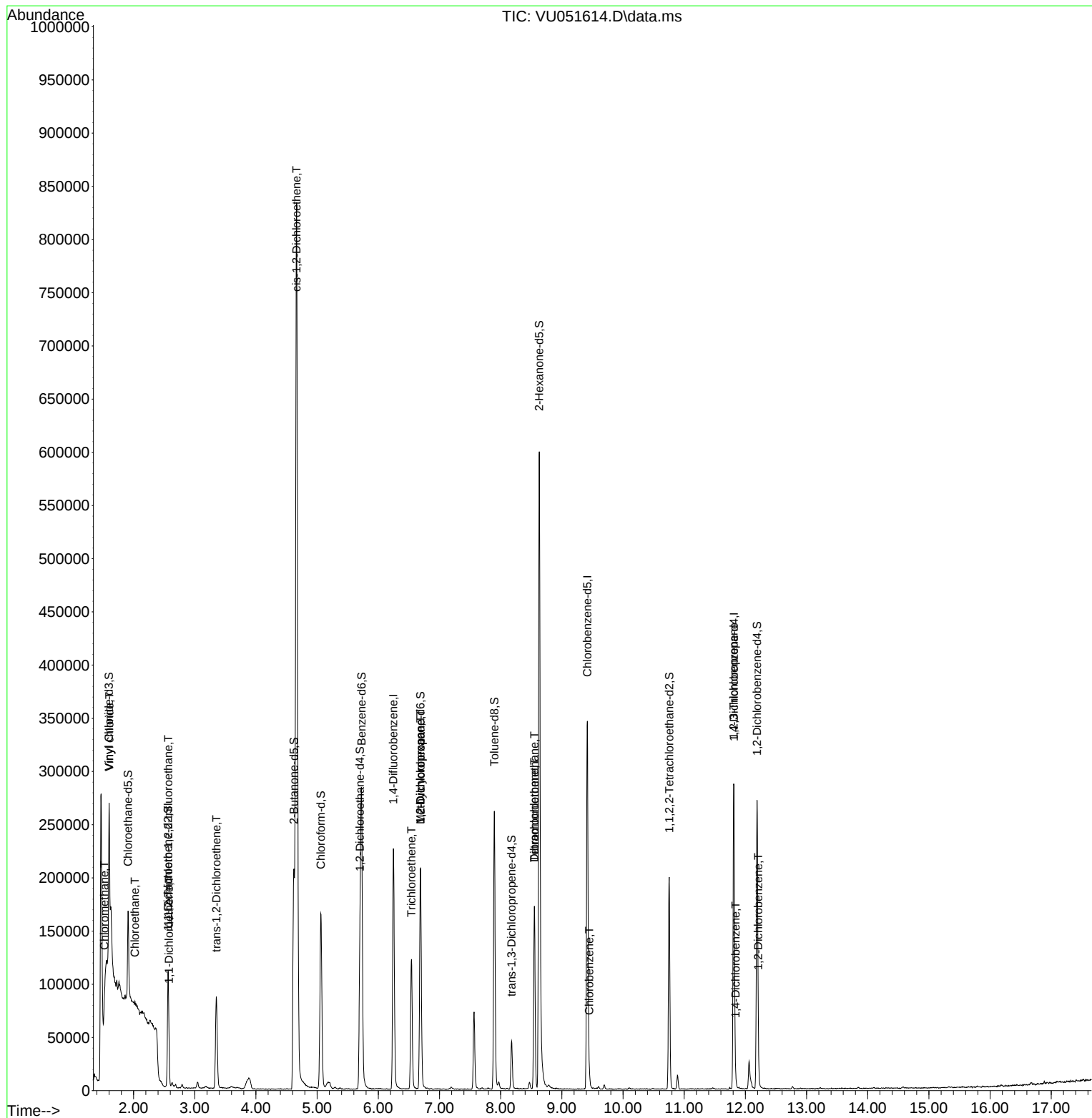
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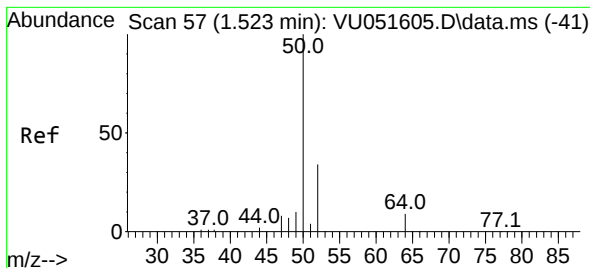
Instrument :
MSVOA_U
ClientSampleId :
DBWX9

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QLast Update : Tue Nov 01 01:25:31 2022
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.145 ug/L

RT: 1.523 min Scan# 51

Delta R.T. 0.000 min

Lab File: VU051614.D

Acq: 31 Oct 2022 16:19

Instrument :

MSVOA_U

ClientSampleId :

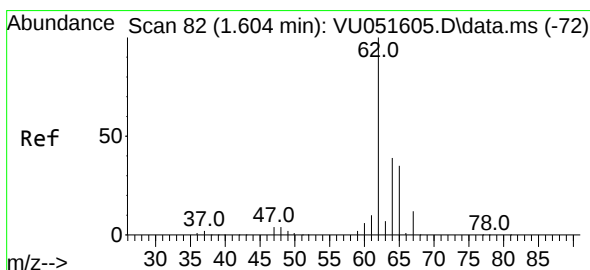
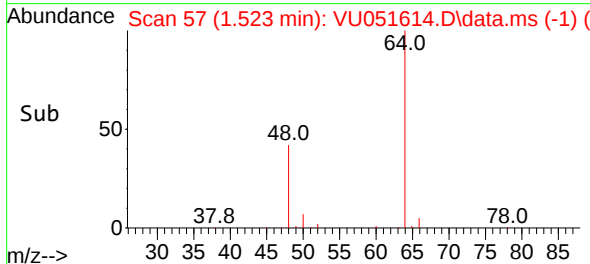
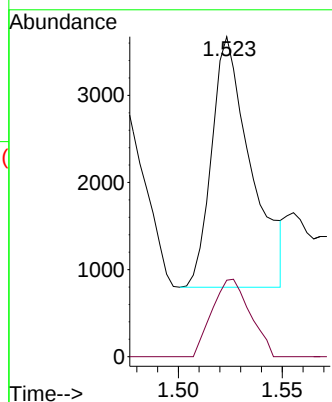
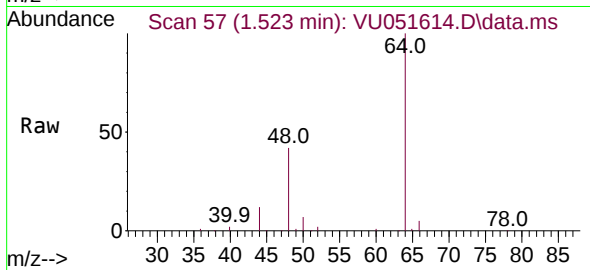
DBWX9

Tgt Ion: 50 Resp: 3756

Ion Ratio Lower Upper

50 100

52 23.9 23.2 43.2



#5

Vinyl chloride

Concen: 2.142 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU051614.D

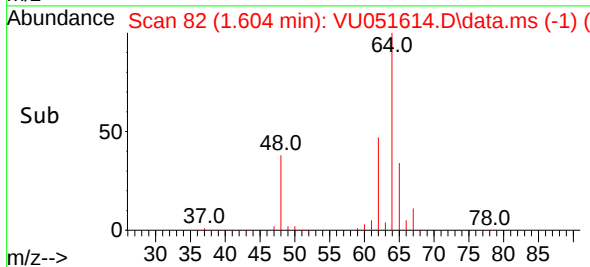
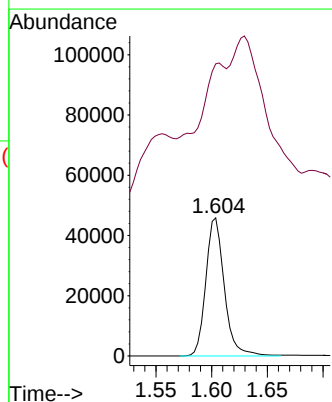
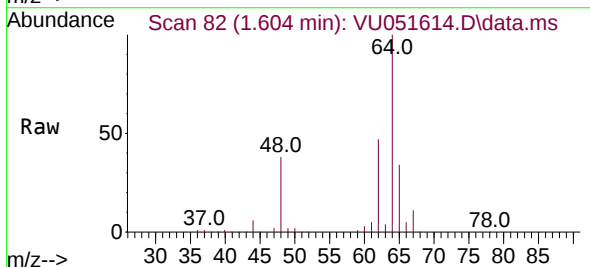
Acq: 31 Oct 2022 16:19

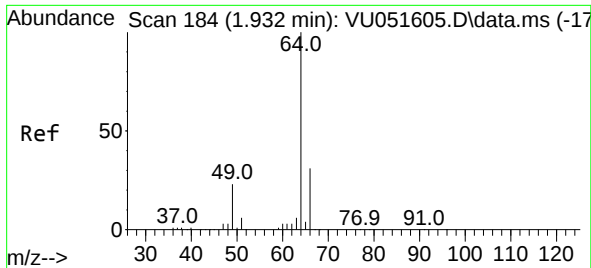
Tgt Ion: 62 Resp: 53086

Ion Ratio Lower Upper

62 100

64 211.6 22.1 41.1#





#8

Chloroethane

Concen: 0.137 ug/L

RT: 2.022 min Scan# 21

Delta R.T. 0.090 min

Lab File: VU051614.D

Acq: 31 Oct 2022 16:19

Instrument :

MSVOA_U

ClientSampleId :

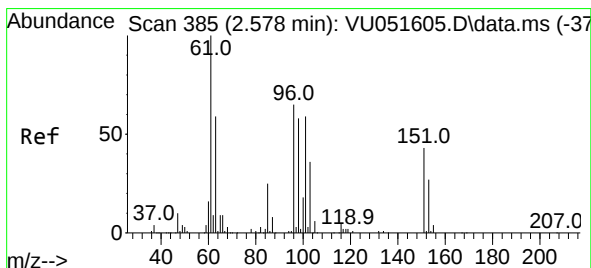
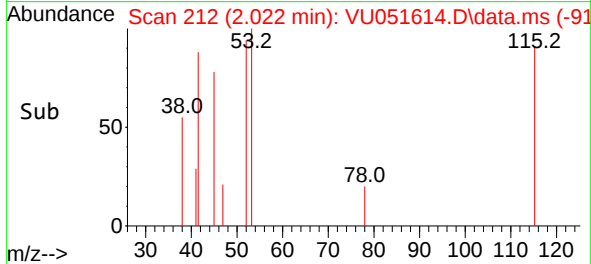
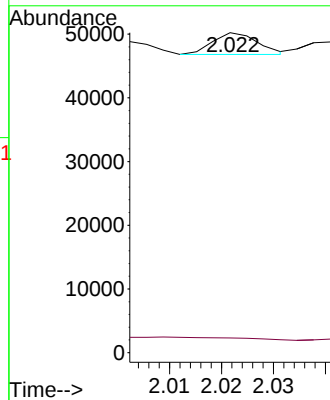
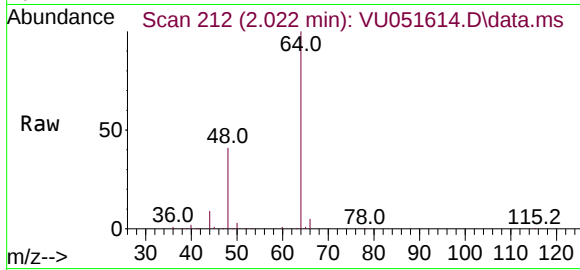
DBWX9

Tgt Ion: 64 Resp: 2063

Ion Ratio Lower Upper

64 100

66 4.6 22.3 41.5#



#10

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

Concen: 0.041 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

Lab File: VU051614.D

Acq: 31 Oct 2022 16:19

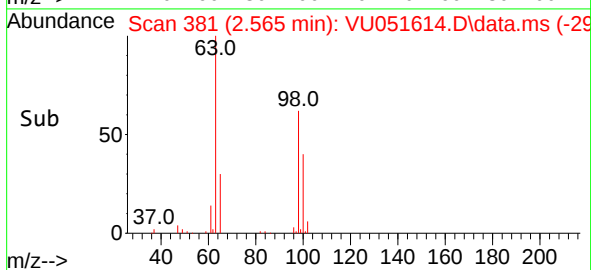
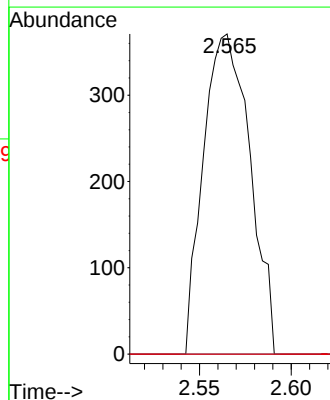
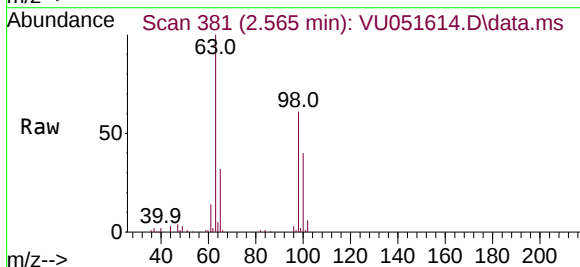
Tgt Ion:101 Resp: 656

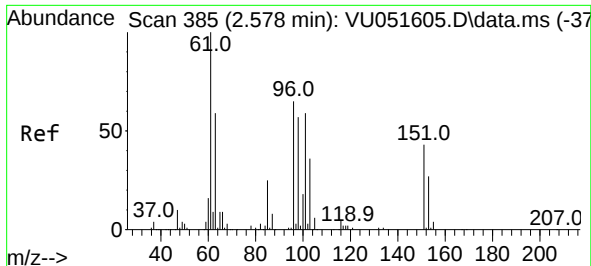
Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

151 0.0 59.6 89.4#





#12

1,1-Dichloroethene

Concen: 0.180 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU051614.D

Acq: 31 Oct 2022 16:19

Instrument :

MSVOA_U

ClientSampleId :

DBWX9

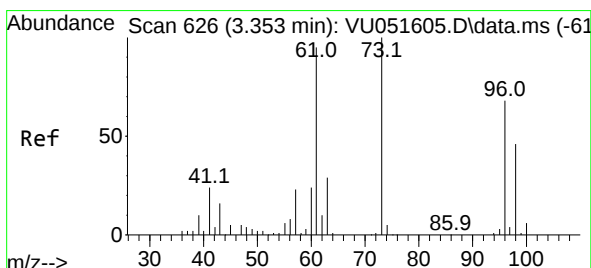
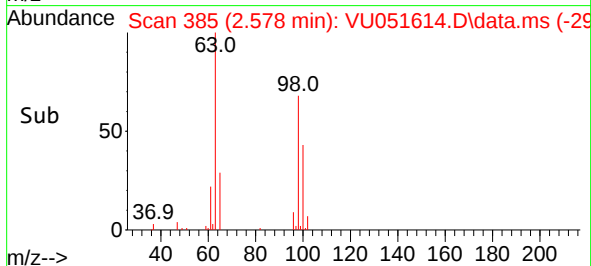
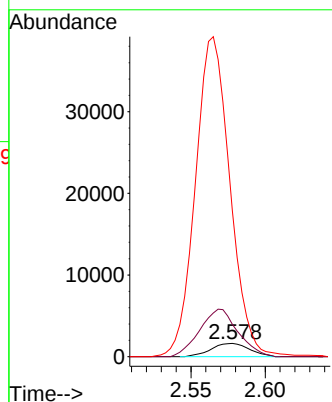
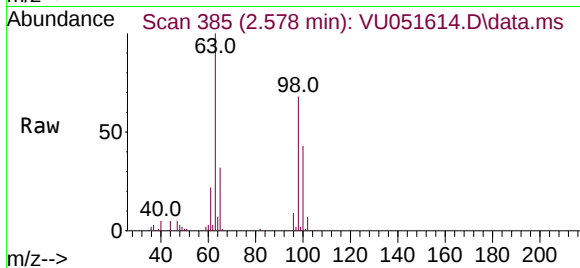
Tgt Ion: 96 Resp: 2931

Ion Ratio Lower Upper

96 100

61 244.1 108.8 202.0#

63 1100.5 64.9 120.5#



#18

trans-1,2-Dichloroethene

Concen: 2.129 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU051614.D

Acq: 31 Oct 2022 16:19

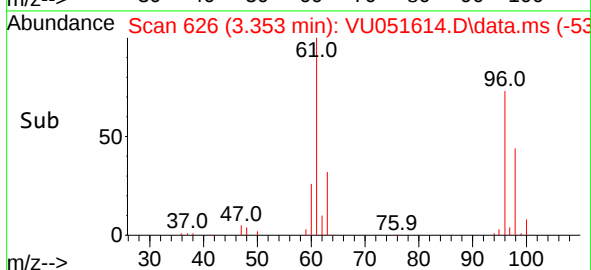
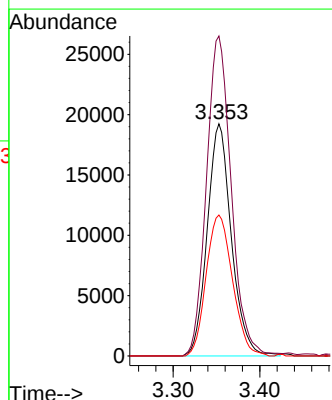
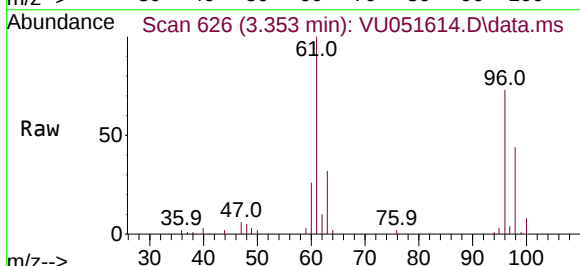
Tgt Ion: 96 Resp: 37278

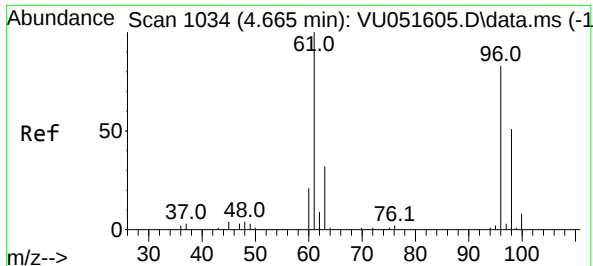
Ion Ratio Lower Upper

96 100

61 137.8 94.7 175.9

98 60.7 44.2 82.0





#22

cis-1,2-Dichloroethene

Concen: 23.292 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051614.D

Acq: 31 Oct 2022 16:19

Instrument :

MSVOA_U

ClientSampleId :

DBWX9

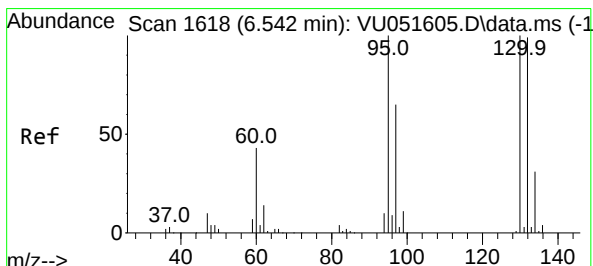
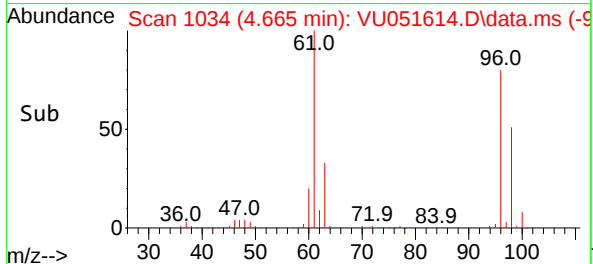
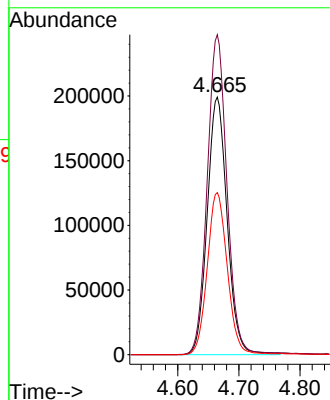
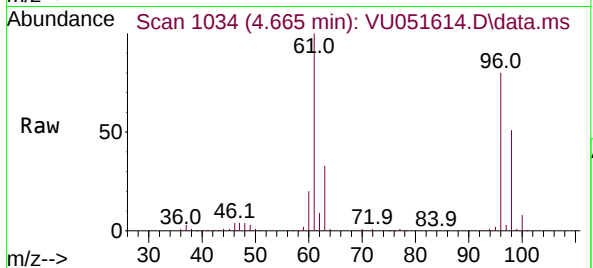
Tgt Ion: 96 Resp: 451211

Ion Ratio Lower Upper

96 100

61 124.2 86.4 160.4

98 62.9 44.2 82.2



#34

Trichloroethene

Concen: 2.263 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.003 min

Lab File: VU051614.D

Acq: 31 Oct 2022 16:19

Tgt Ion: 95 Resp: 43260

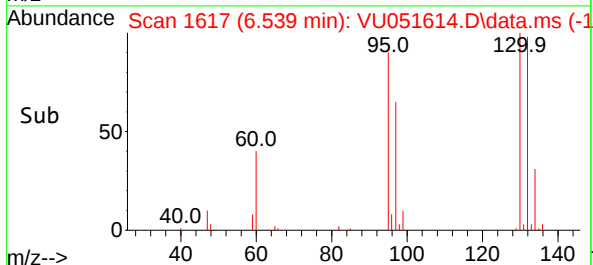
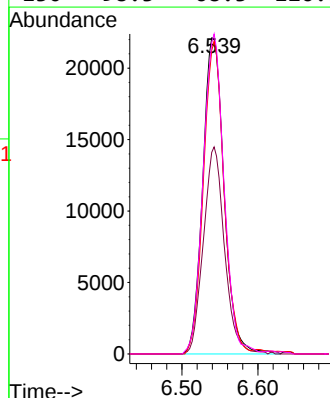
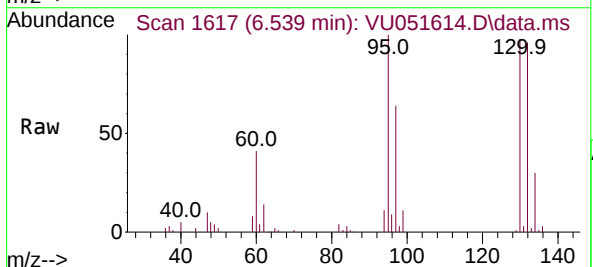
Ion Ratio Lower Upper

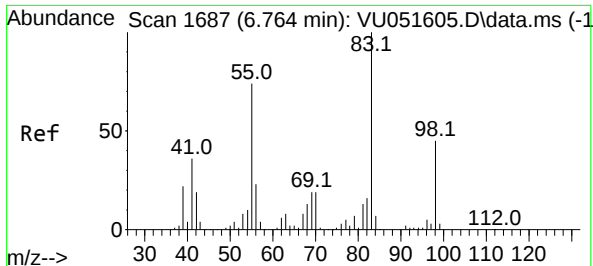
95 100

97 63.8 45.2 84.0

132 96.0 66.5 123.5

130 98.3 68.3 126.8

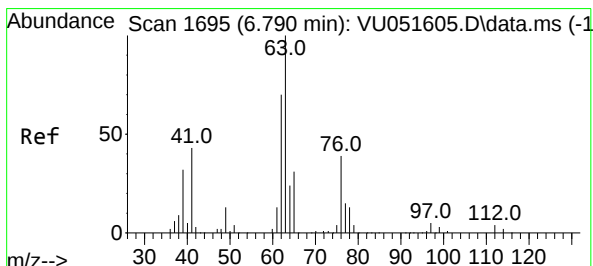
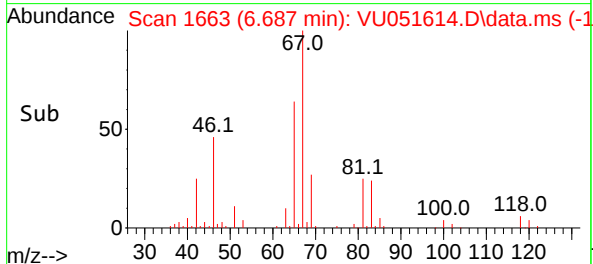
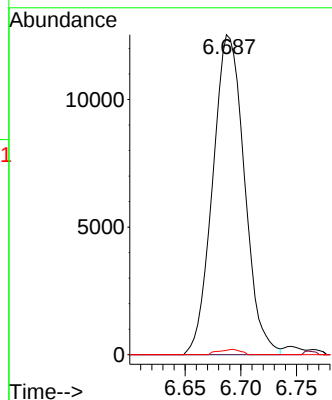
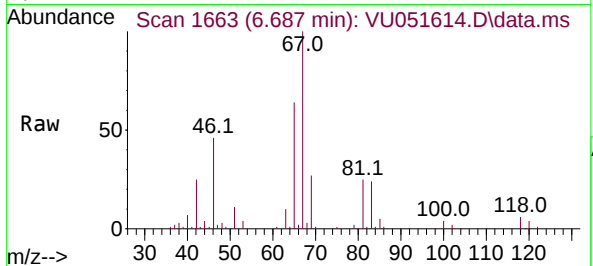




#35
Methylcyclohexane
Concen: 0.940 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.077 min
Lab File: VU051614.D
Acq: 31 Oct 2022 16:19

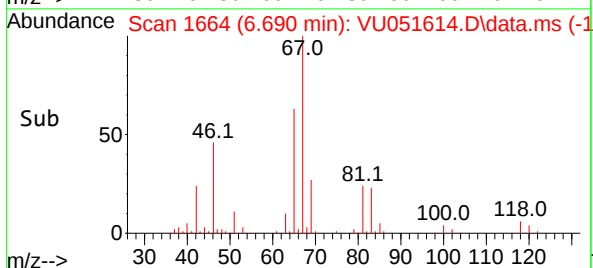
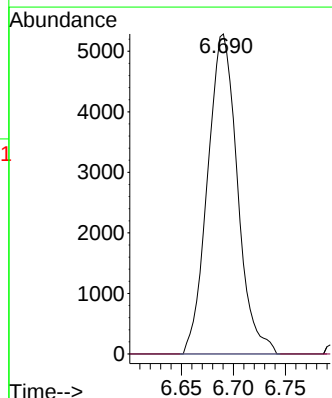
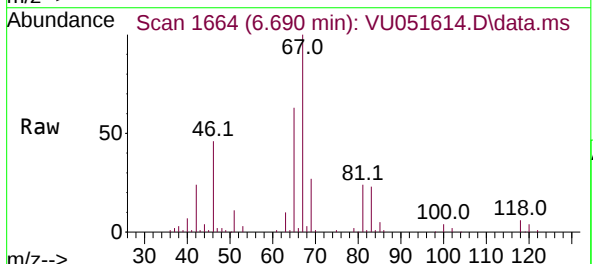
Instrument :
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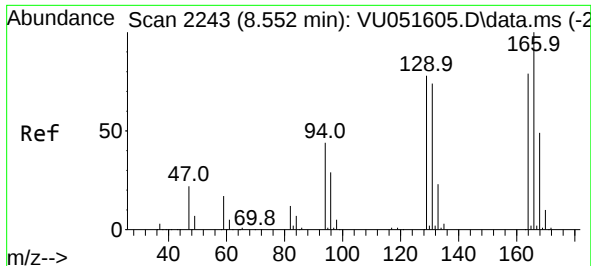
Tgt Ion: 83 Resp: 24847
Ion Ratio Lower Upper
83 100
55 0.4 60.6 90.8#
98 1.2 35.8 53.6#



#37
1,2-Dichloropropane
Concen: 0.519 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.100 min
Lab File: VU051614.D
Acq: 31 Oct 2022 16:19

Tgt Ion: 63 Resp: 10570
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#





#47

Tetrachloroethene

Concen: 2.666 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU051614.D

Acq: 31 Oct 2022 16:19

Instrument :

MSVOA_U

ClientSampleId :

DBWX9

Tgt Ion:164 Resp: 39019

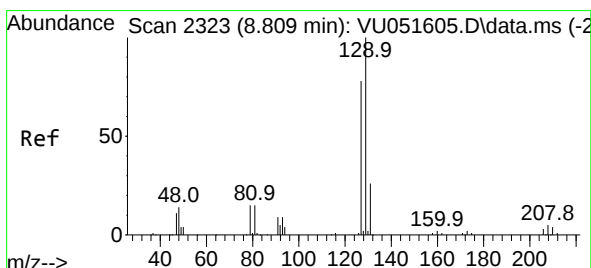
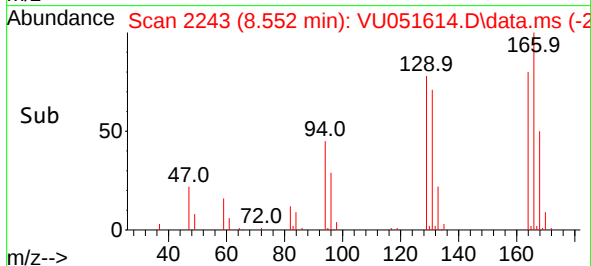
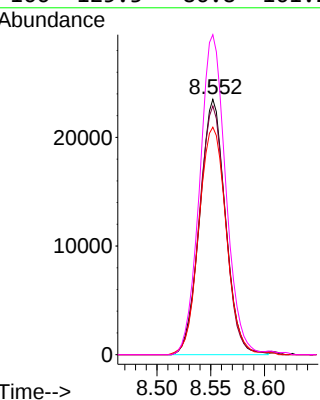
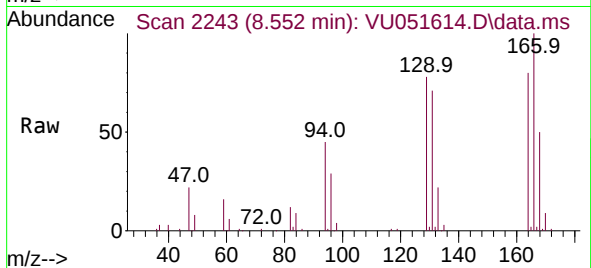
Ion Ratio Lower Upper

164 100

129 97.4 64.0 118.8

131 89.1 60.7 112.7

166 125.3 86.8 161.2



#49

Dibromochloromethane

Concen: 2.210 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.257 min

Lab File: VU051614.D

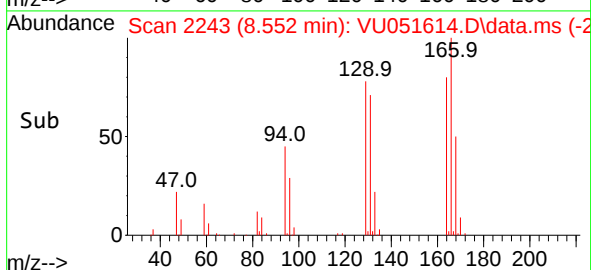
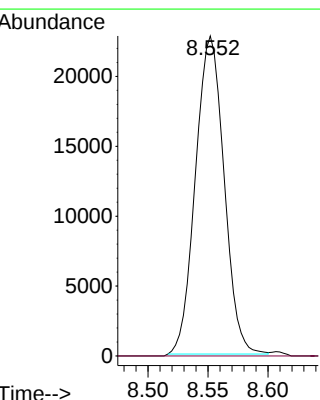
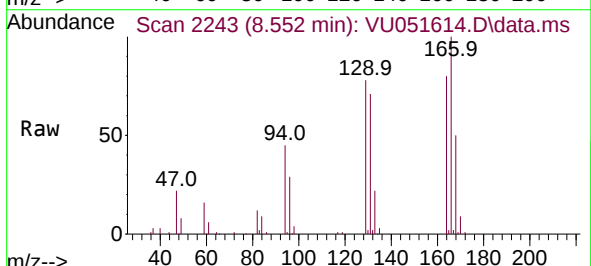
Acq: 31 Oct 2022 16:19

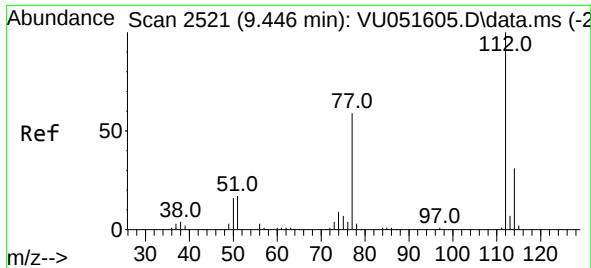
Tgt Ion:129 Resp: 37685

Ion Ratio Lower Upper

129 100

127 0.0 54.8 101.8#

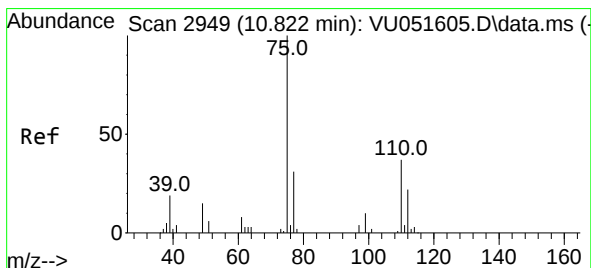
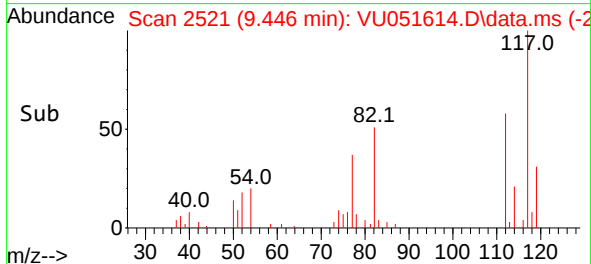
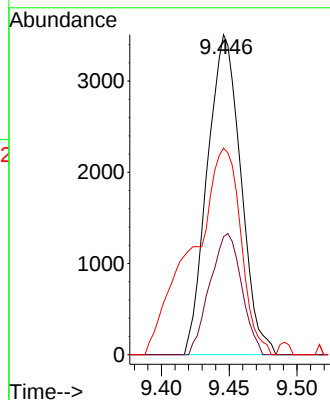
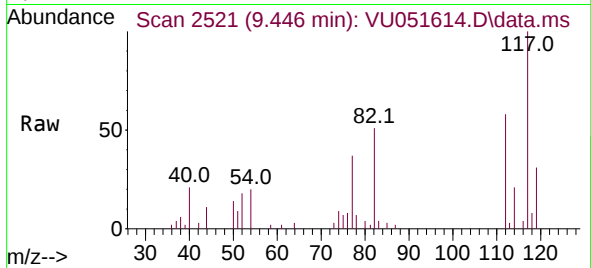




#51
Chlorobenzene
Concen: 0.118 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051614.D
Acq: 31 Oct 2022 16:19

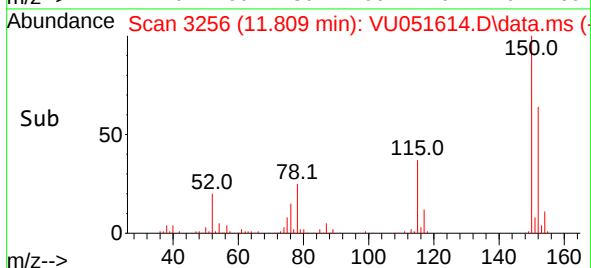
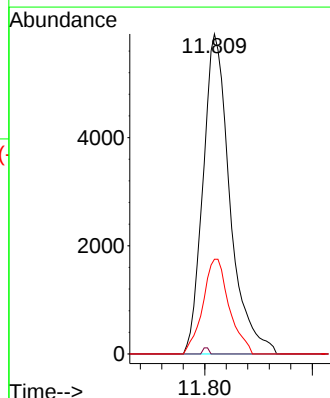
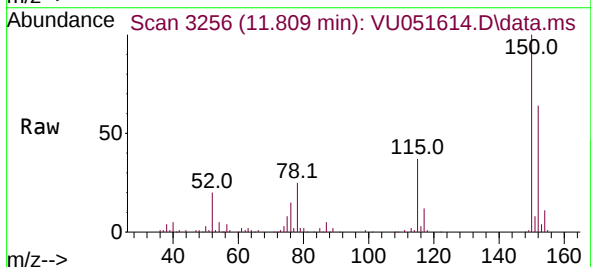
Instrument :
MSVOA_U
ClientSampleId :
DBWX9

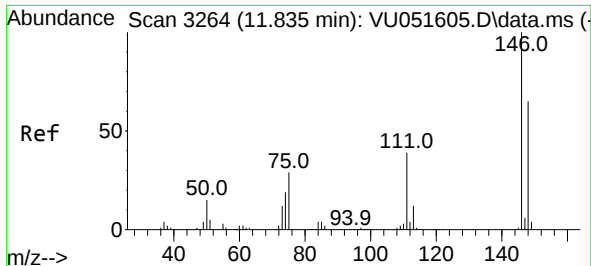
Tgt Ion:112 Resp: 6026
Ion Ratio Lower Upper
112 100
114 36.9 22.0 40.8
77 64.6 46.7 70.1



#61
1,2,3-Trichloropropane
Concen: 0.969 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU051614.D
Acq: 31 Oct 2022 16:19

Tgt Ion: 75 Resp: 10258
Ion Ratio Lower Upper
75 100
110 0.4 28.7 43.1#
77 29.1 26.1 39.1

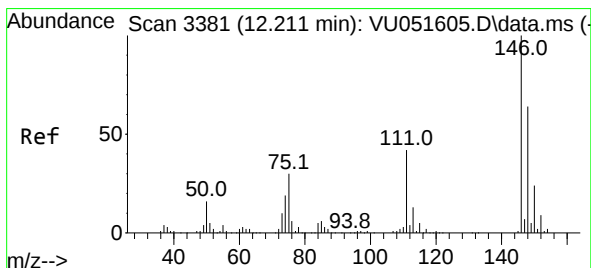
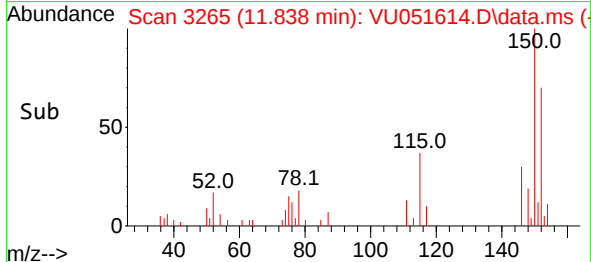
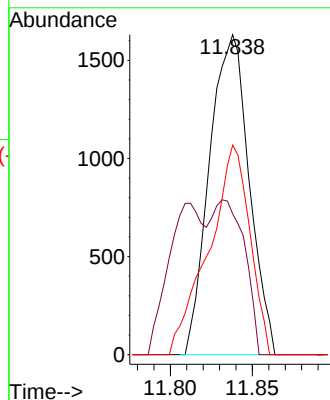
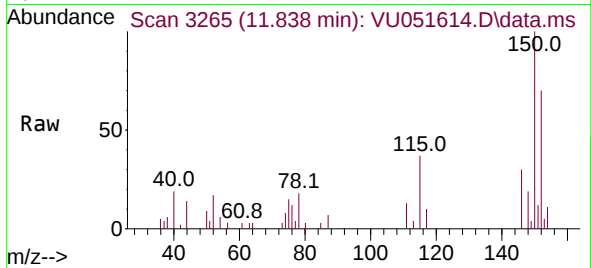




#65
1,4-Dichlorobenzene
Concen: 0.092 ug/L
RT: 11.838 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051614.D
Acq: 31 Oct 2022 16:19

Instrument :
MSVOA_U
ClientSampleId :
DBWX9

Tgt Ion:146 Resp: 2733
Ion Ratio Lower Upper
146 100
111 44.0 26.7 49.5
148 65.5 43.5 80.9



#67
1,2-Dichlorobenzene
Concen: 0.176 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051614.D
Acq: 31 Oct 2022 16:19

Tgt Ion:146 Resp: 5104
Ion Ratio Lower Upper
146 100
111 44.3 34.2 51.2
148 67.5 50.1 75.1

