

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110222\
 Data File : VU051700.D
 Acq On : 02 Nov 2022 19:00
 Operator : JC/MD
 Sample : N5353-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBWW9

Quant Time: Nov 03 01:50:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 03 01:45:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	183099	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	193039	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	83321	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	65083	4.720	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.909	69	61028	4.243	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	2.562	65	26104	5.216	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.400%
20) 2-Butanone-d5	4.620	46	192979	38.641	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.280%
24) Chloroform-d	5.060	84	134482	4.167	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
26) 1,2-Dichloroethane-d4	5.700	65	71658	4.111	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
32) Benzene-d6	5.726	84	268835	4.413	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.687	67	91527	4.297	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.000%
41) Toluene-d8	7.896	98	206948	4.320	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.179	79	27542	4.229	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.629	63	147339	37.579	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.160%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	81759	4.188	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	78117	5.108	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.601	62	5364	0.222	ug/L #	1
8) Chloroethane	1.967	64	1236	0.084	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	815	0.052	ug/L #	19
12) 1,1-Dichloroethene	2.575	96	2733	0.172	ug/L #	1
17) Methyl tert-butyl Ether	3.359	73	10658	0.292	ug/L	96
18) trans-1,2-Dichloroethene	3.350	96	132025	7.728	ug/L	99
19) 1,1-Dichloroethane	3.864	63	32461	1.030	ug/L	99
22) cis-1,2-Dichloroethene	4.662	96	588117	31.113	ug/L	99
33) Benzene	5.774	78	22783	0.299	ug/L	100
34) Trichloroethene	6.539	95	52145	2.836	ug/L	99
35) Methylcyclohexane	6.687	83	19830	0.780	ug/L #	20
37) 1,2-Dichloropropane	6.793	63	2007	0.102	ug/L	99
51) Chlorobenzene	9.446	112	220296	4.474	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	2545	0.084	ug/L	88
65) 1,4-Dichlorobenzene	11.835	146	46382	1.528	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	26499	0.898	ug/L	97

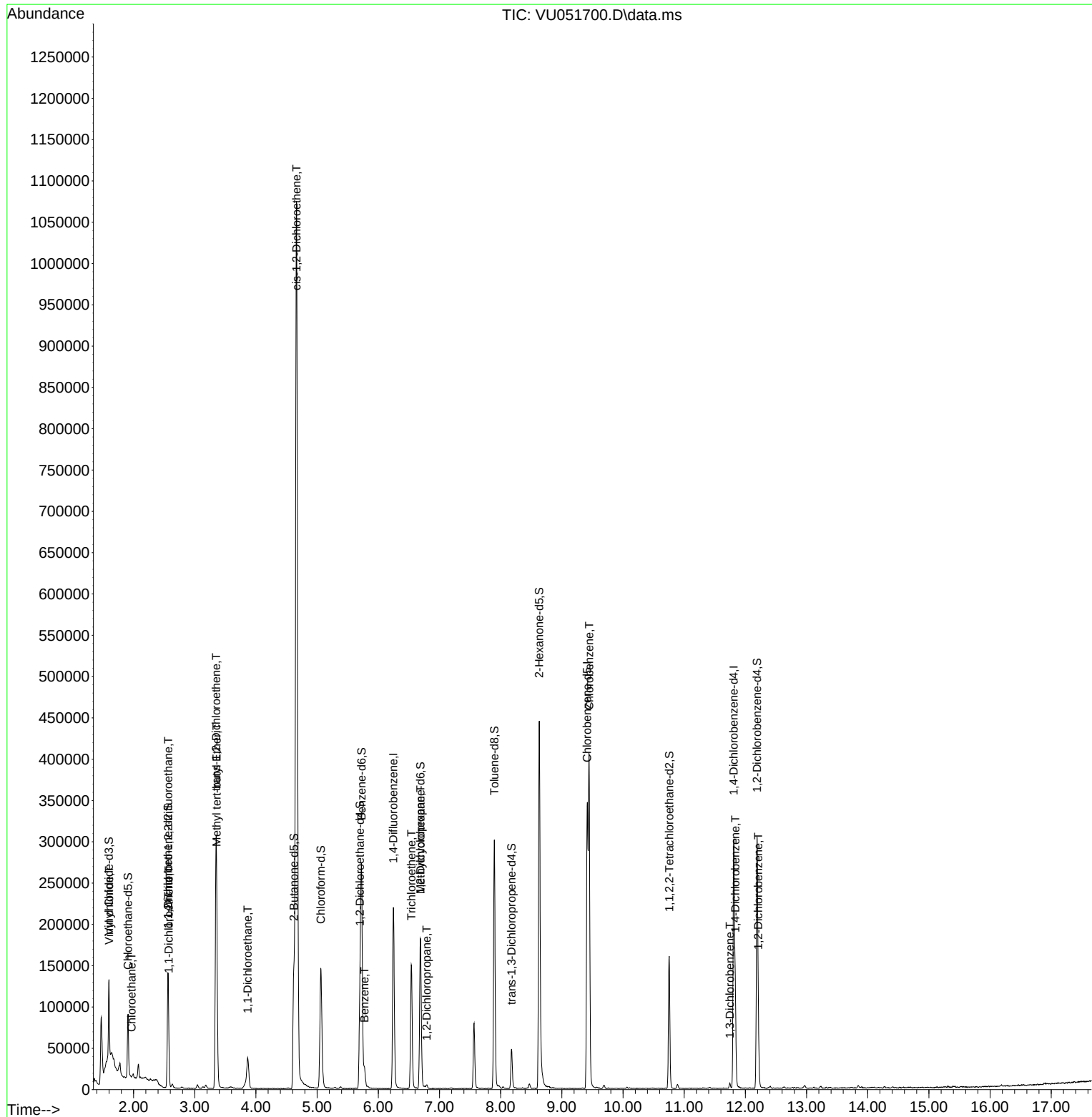
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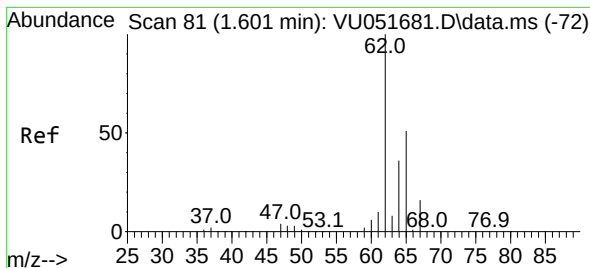
Instrument :
MSVOA_U
ClientSampleId :
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 03 01:45:18 2022
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.222 ug/L

RT: 1.601 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU051700.D

Acq: 02 Nov 2022 19:00

Instrument :

MSVOA_U

ClientSampleId :

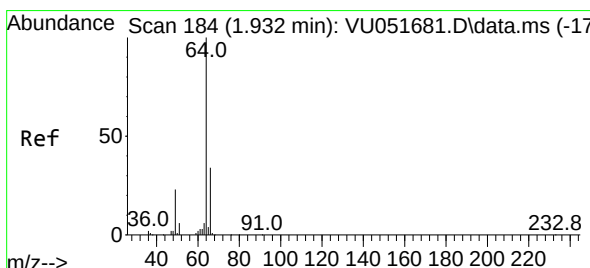
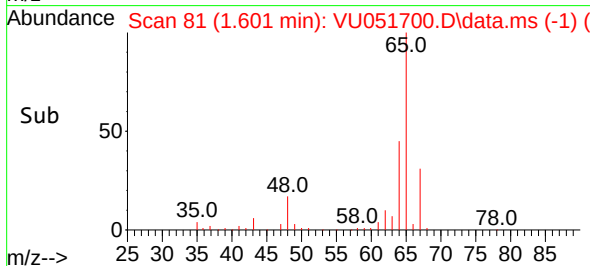
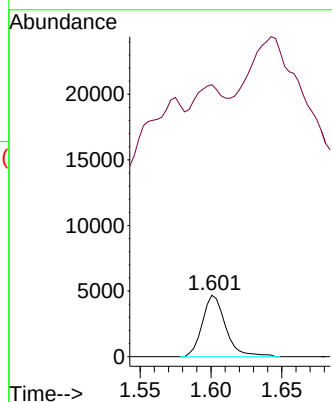
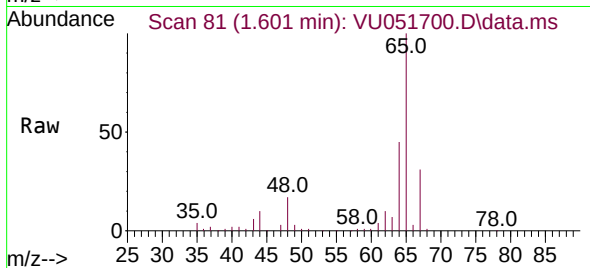
DBWW9

Tgt Ion: 62 Resp: 5364

Ion Ratio Lower Upper

62 100

64 442.2 22.1 41.1#



#8

Chloroethane

Concen: 0.084 ug/L

RT: 1.967 min Scan# 195

Delta R.T. 0.035 min

Lab File: VU051700.D

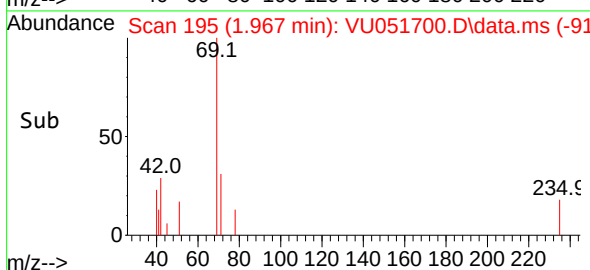
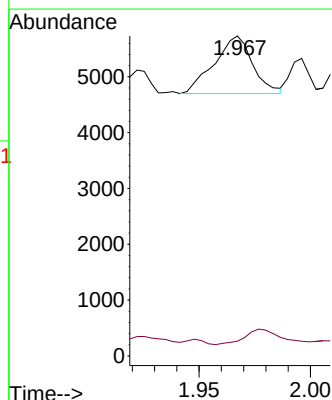
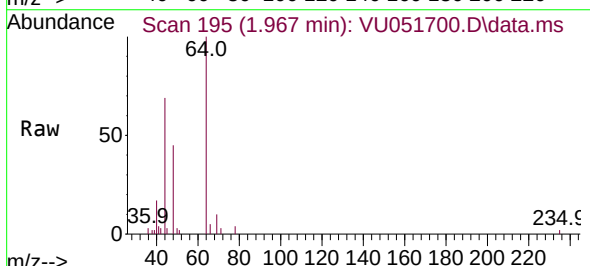
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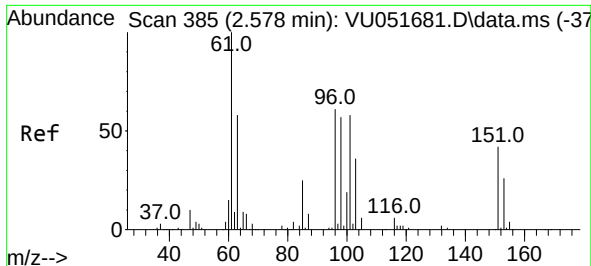
Tgt Ion: 64 Resp: 1236

Ion Ratio Lower Upper

64 100

66 4.6 22.3 41.5#

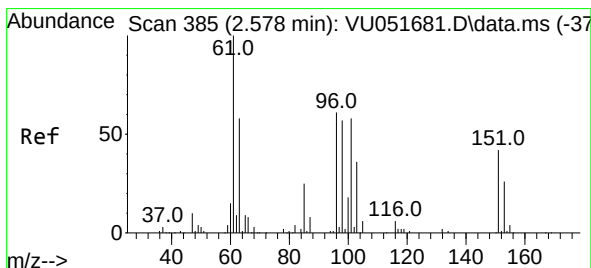
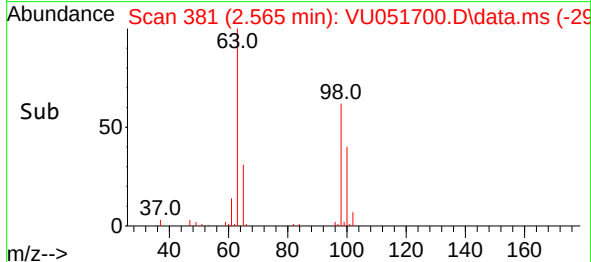
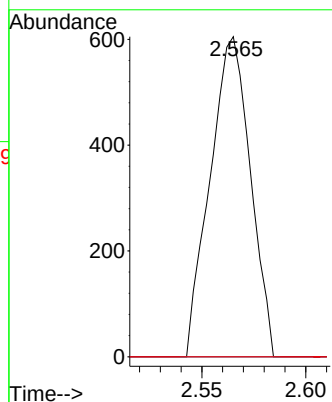
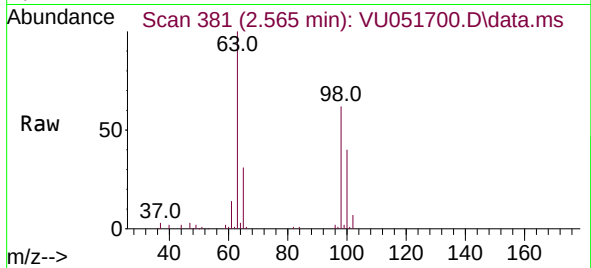




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.052 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.013 min
Lab File: VU051700.D
Acq: 02 Nov 2022 19:00

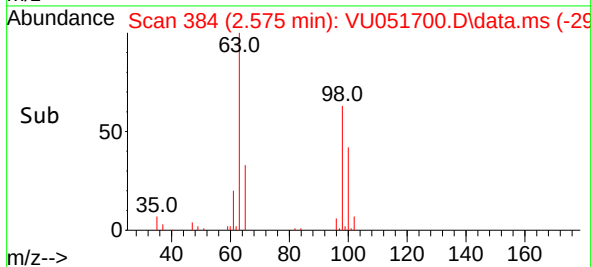
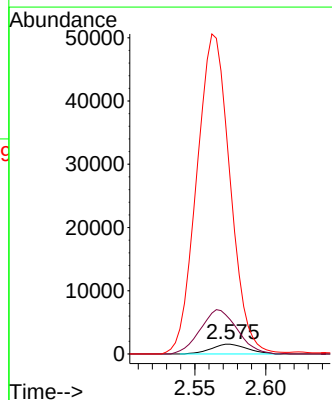
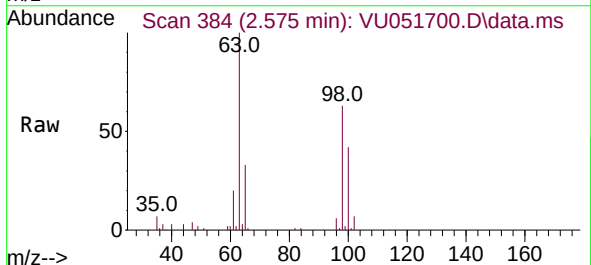
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MSVOA_U
ClientSampleId :
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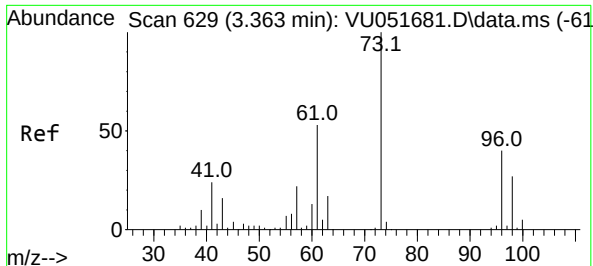
Tgt Ion:101 Resp: 815
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 59.6 89.4#



#12
1,1-Dichloroethene
Concen: 0.172 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU051700.D
Acq: 02 Nov 2022 19:00

Tgt Ion: 96 Resp: 2733
Ion Ratio Lower Upper
96 100
61 352.1 108.8 202.0#
63 1792.5 64.9 120.5#

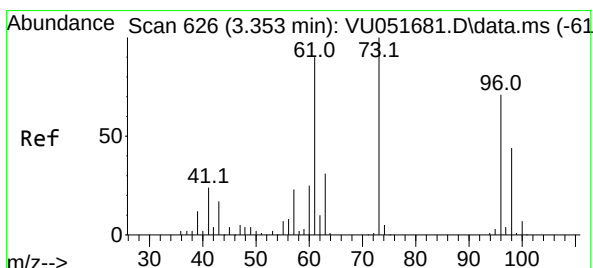
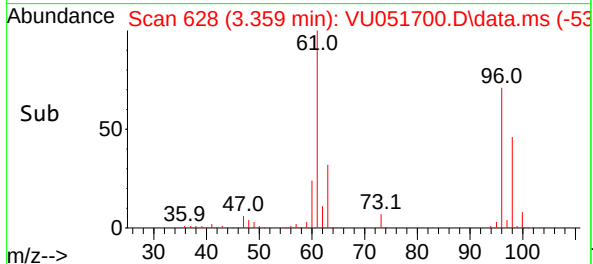
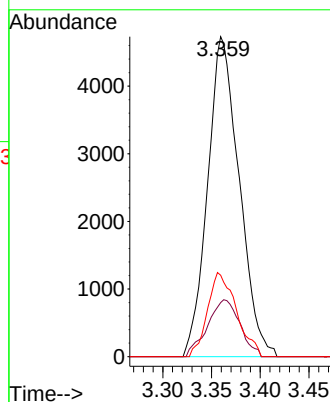
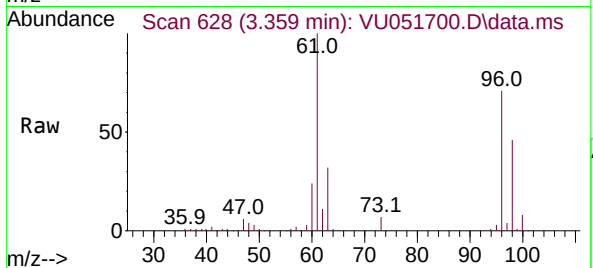




#17
Methyl tert-butyl Ether
Concen: 0.292 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU051700.D
Acq: 02 Nov 2022 19:00

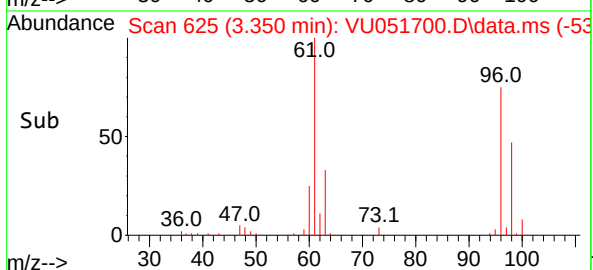
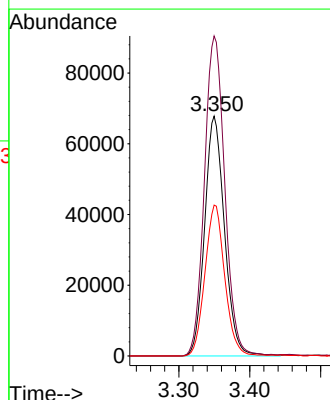
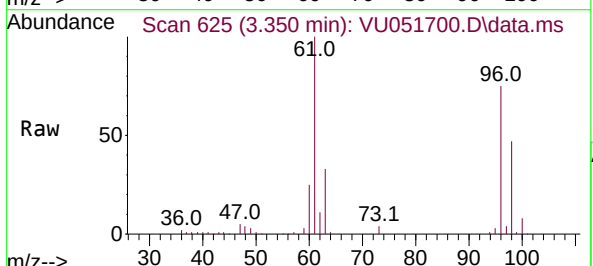
Instrument :
MSVOA_U
ClientSampleId :
DBWW9

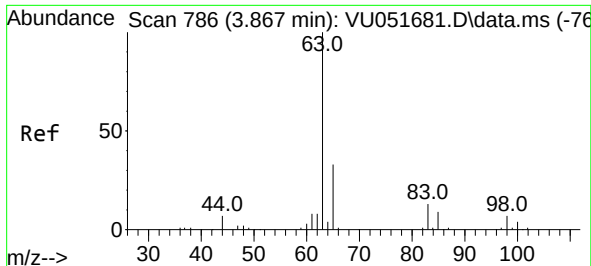
Tgt Ion: 73	Resp: 10658
Ion Ratio	Lower Upper
73	100
43	18.2 13.6 20.4
57	24.0 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 7.728 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU051700.D
Acq: 02 Nov 2022 19:00

Tgt Ion: 96	Resp: 132025
Ion Ratio	Lower Upper
96	100
61	133.4 94.7 175.9
98	62.9 44.2 82.0





#19

1,1-Dichloroethane

Concen: 1.030 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU051700.D

Acq: 02 Nov 2022 19:00

Instrument :

MSVOA_U

ClientSampleId :

DBWW9

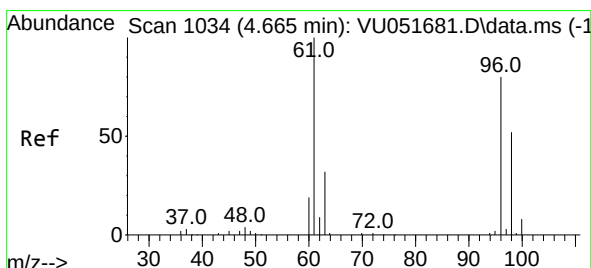
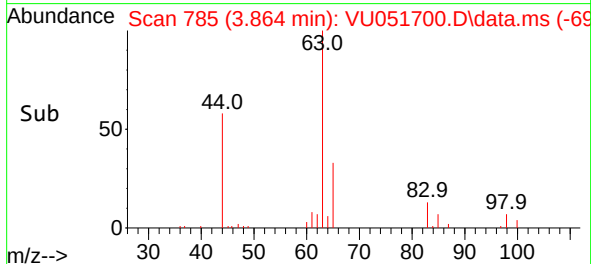
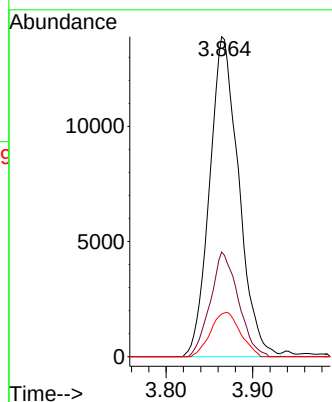
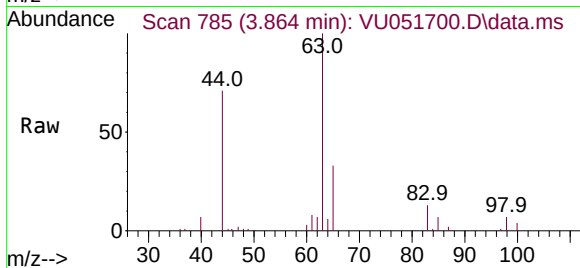
Tgt Ion: 63 Resp: 32461

Ion Ratio Lower Upper

63 100

65 32.7 22.7 42.1

83 13.3 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 31.113 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU051700.D

Acq: 02 Nov 2022 19:00

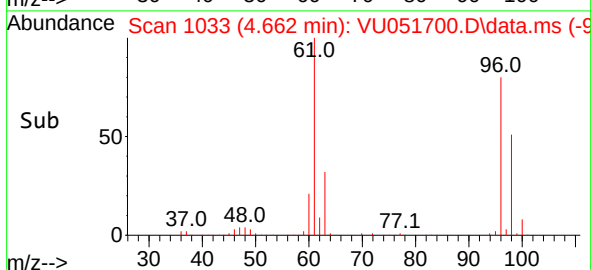
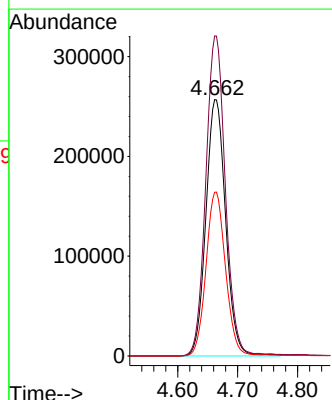
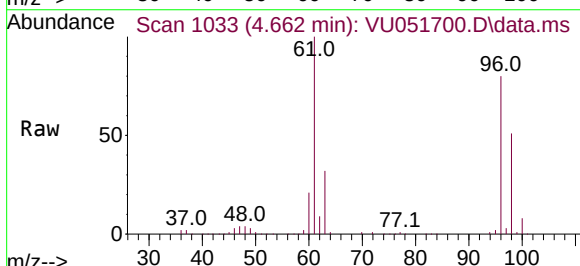
Tgt Ion: 96 Resp: 588117

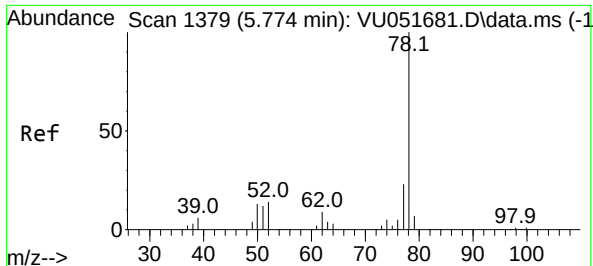
Ion Ratio Lower Upper

96 100

61 124.8 86.4 160.4

98 63.8 44.2 82.2

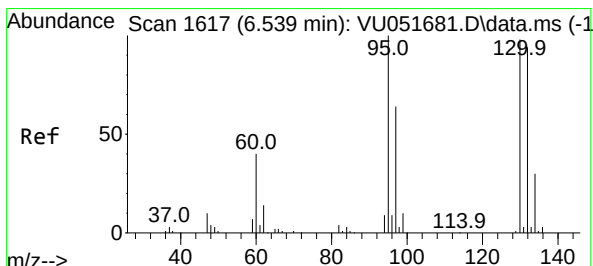
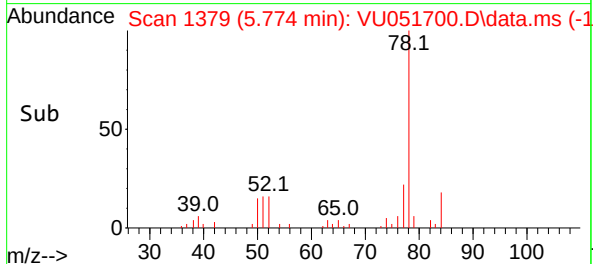
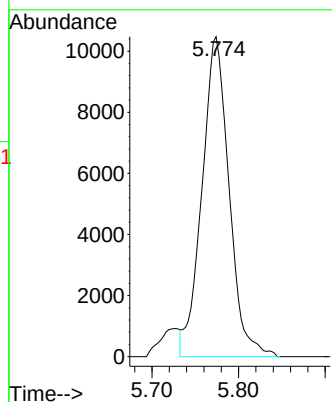
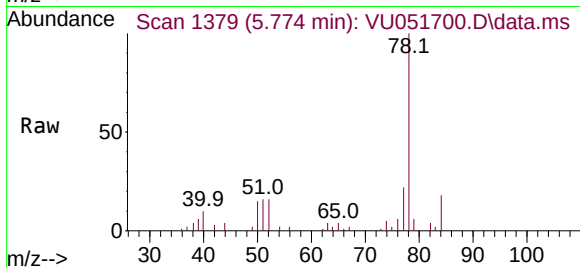




#33
Benzene
Concen: 0.299 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051700.D
Acq: 02 Nov 2022 19:00

Instrument :
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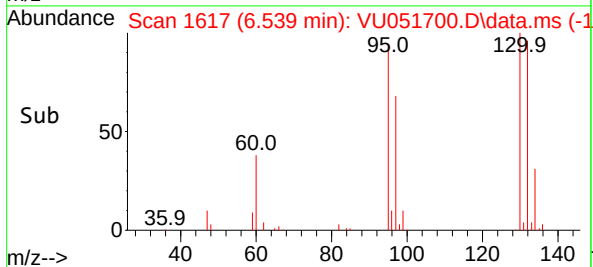
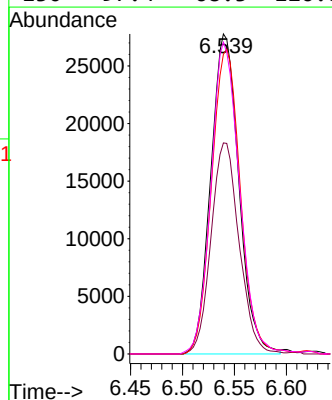
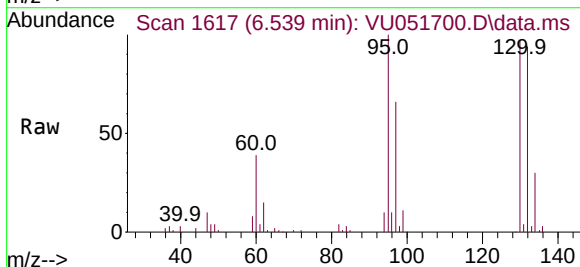
Tgt Ion: 78 Resp: 22783

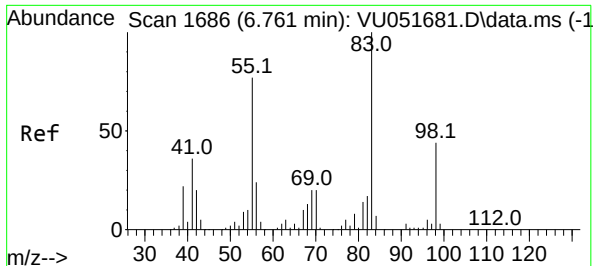


#34
Trichloroethene
Concen: 2.836 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051700.D
Acq: 02 Nov 2022 19:00

Tgt Ion: 95 Resp: 52145

Ion	Ratio	Lower	Upper
95	100		
97	66.0	45.2	84.0
132	93.6	66.5	123.5
130	97.4	68.3	126.8





#35

Methylcyclohexane

Concen: 0.780 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU051700.D

Acq: 02 Nov 2022 19:00

Instrument :

MSVOA_U

ClientSampleId :

DBWW9

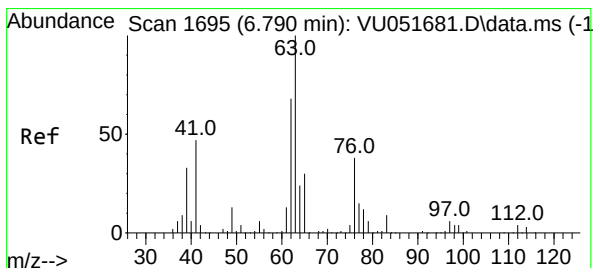
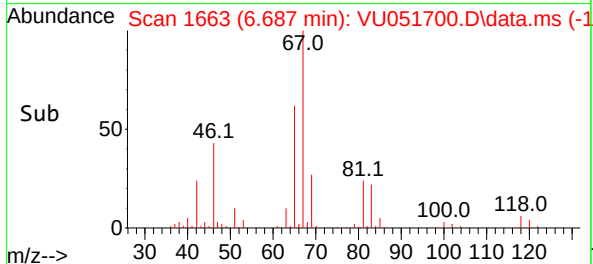
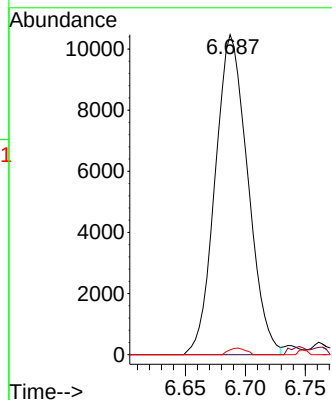
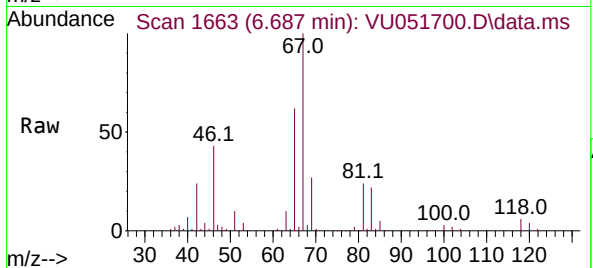
Tgt Ion: 83 Resp: 19830

Ion Ratio Lower Upper

83 100

55 0.0 60.6 90.8#

98 1.1 35.8 53.6#



#37

1,2-Dichloropropane

Concen: 0.102 ug/L

RT: 6.793 min Scan# 1696

Delta R.T. 0.003 min

Lab File: VU051700.D

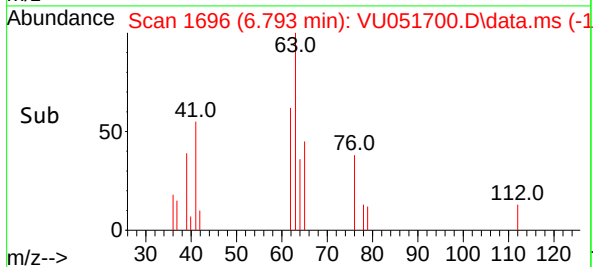
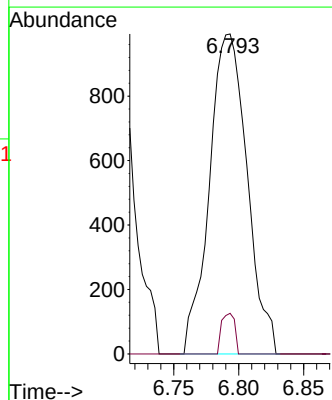
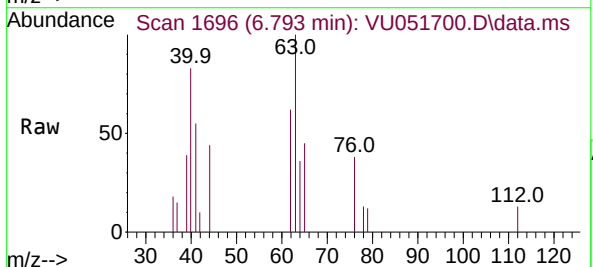
Acq: 02 Nov 2022 19:00

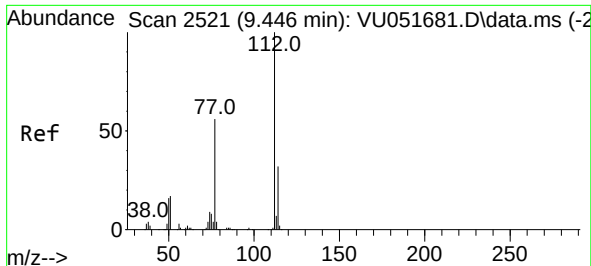
Tgt Ion: 63 Resp: 2007

Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9

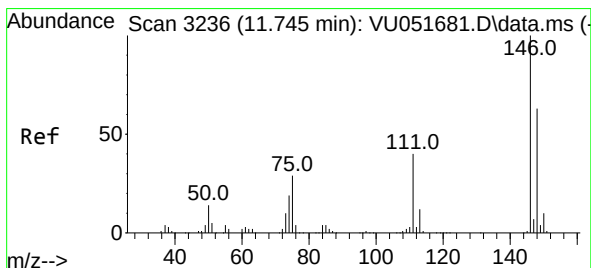
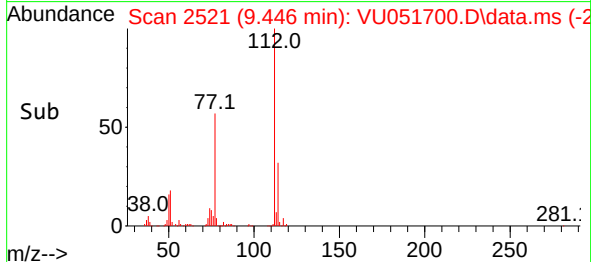
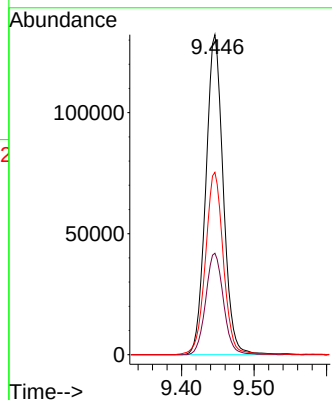
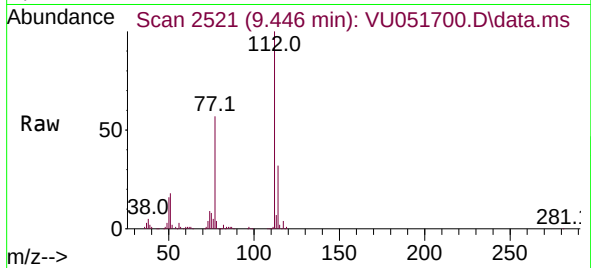




#51
Chlorobenzene
Concen: 4.474 ug/L
RT: 9.446 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051700.D
Acq: 02 Nov 2022 19:00

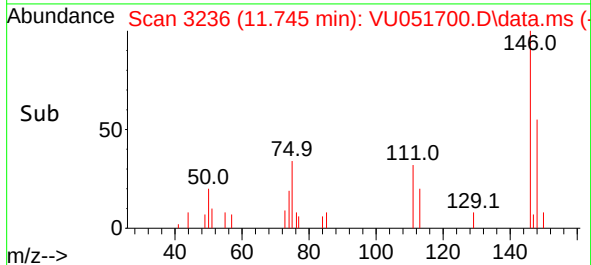
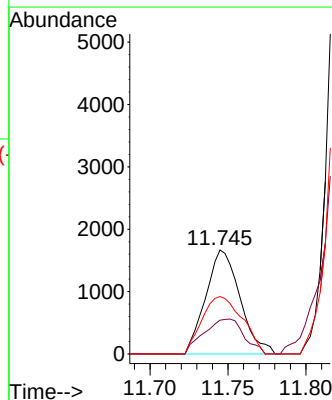
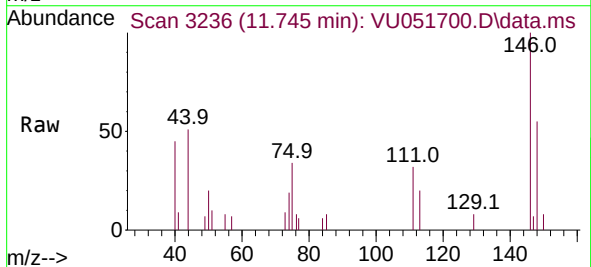
Instrument :
MSVOA_U
ClientSampleId :
DBWW9

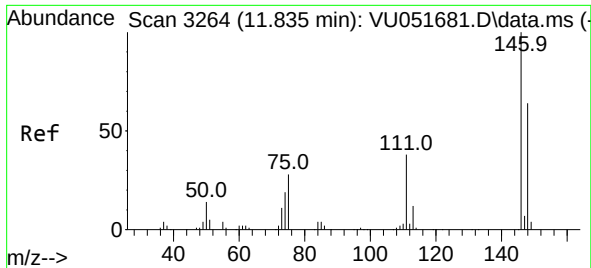
Tgt Ion:112 Resp: 220296
Ion Ratio Lower Upper
112 100
114 31.7 22.0 40.8
77 57.0 46.7 70.1



#64
1,3-Dichlorobenzene
Concen: 0.084 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.000 min
Lab File: VU051700.D
Acq: 02 Nov 2022 19:00

Tgt Ion:146 Resp: 2545
Ion Ratio Lower Upper
146 100
111 32.5 28.6 53.2
148 55.2 44.7 82.9

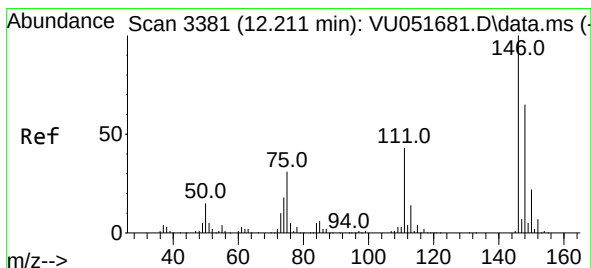
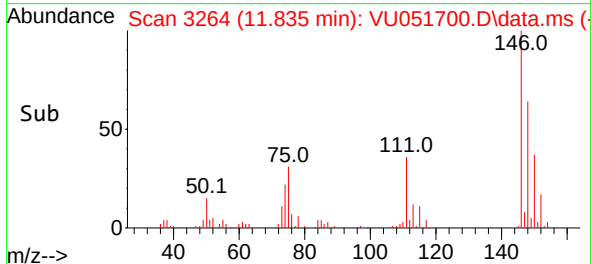
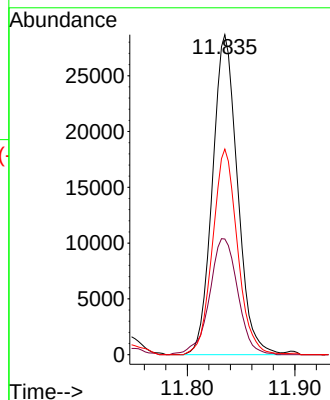
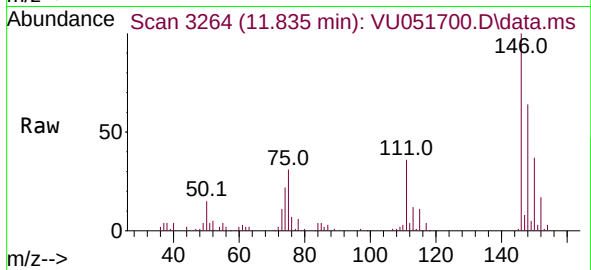




#65
1,4-Dichlorobenzene
Concen: 1.528 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051700.D
Acq: 02 Nov 2022 19:00

Instrument :
MSVOA_U
ClientSampleId :
DBWW9

Tgt Ion:146 Resp: 46382
Ion Ratio Lower Upper
146 100
111 36.2 26.7 49.5
148 64.2 43.5 80.9



#67
1,2-Dichlorobenzene
Concen: 0.898 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU051700.D
Acq: 02 Nov 2022 19:00

Tgt Ion:146 Resp: 26499
Ion Ratio Lower Upper
146 100
111 40.7 34.2 51.2
148 65.1 50.1 75.1

