

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
 Data File : VU051636.D
 Acq On : 01 Nov 2022 01:59
 Operator : JC/MD
 Sample : N5321-23
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBWW5

Quant Time: Nov 01 06:00:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 01 02:34:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	186971	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	200080	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	87348	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	49097	3.487	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.800%
7) Chloroethane-d5	1.909	69	60020	4.087	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.800%
11) 1,1-Dichloroethene-d2	2.565	65	17231	3.372	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.400%
20) 2-Butanone-d5	4.626	46	273986	53.725	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.440%
24) Chloroform-d	5.063	84	149652	4.541	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.700	65	84855	4.767	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.726	84	249367	3.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
36) 1,2-Dichloropropane-d6	6.687	67	99591	4.511	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.896	98	165746	3.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.800%#
43) trans-1,3-Dichloroprop...	8.179	79	25993	3.850	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.632	63	209933	51.659	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.320%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	97574	4.823	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	75493	4.709	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
8) Chloroethane	2.092	64	2491	0.166	ug/L #	52
13) Acetone	2.642	43	7339	2.836	ug/L	100
14) Carbon disulfide	2.790	76	102939	1.965	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	2204	0.126	ug/L	87
22) cis-1,2-Dichloroethene	4.668	96	19042	0.987	ug/L	92
33) Benzene	5.774	78	38446	0.487	ug/L	100
34) Trichloroethene	6.539	95	81144	4.258	ug/L	98
37) 1,2-Dichloropropane	6.687	63	10010	0.493	ug/L #	88
45) 1,1,2-Trichloroethane	8.272	97	3585	0.241	ug/L #	14
47) Tetrachloroethene	8.552	164	108889	7.462	ug/L	92
49) Dibromochloromethane	8.552	129	108082	6.357	ug/L #	10
51) Chlorobenzene	9.446	112	42185	0.827	ug/L	97
52) Ethylbenzene	9.571	91	9240	0.118	ug/L	96
53) m,p-Xylene	9.693	106	5717	0.188	ug/L	99
54) o-Xylene	10.099	106	6243	0.210	ug/L	89
60) Isopropylbenzene	10.996	105	5855	0.092	ug/L	97
61) 1,2,3-Trichloropropane	11.809	75	14418	1.276	ug/L #	64
62) 1,3,5-Trimethylbenzene	11.089	105	5470	0.319	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	10388	0.210	ug/L	99

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QLast Update : Tue Nov 01 02:34:58 2022
Response via : Initial Calibration

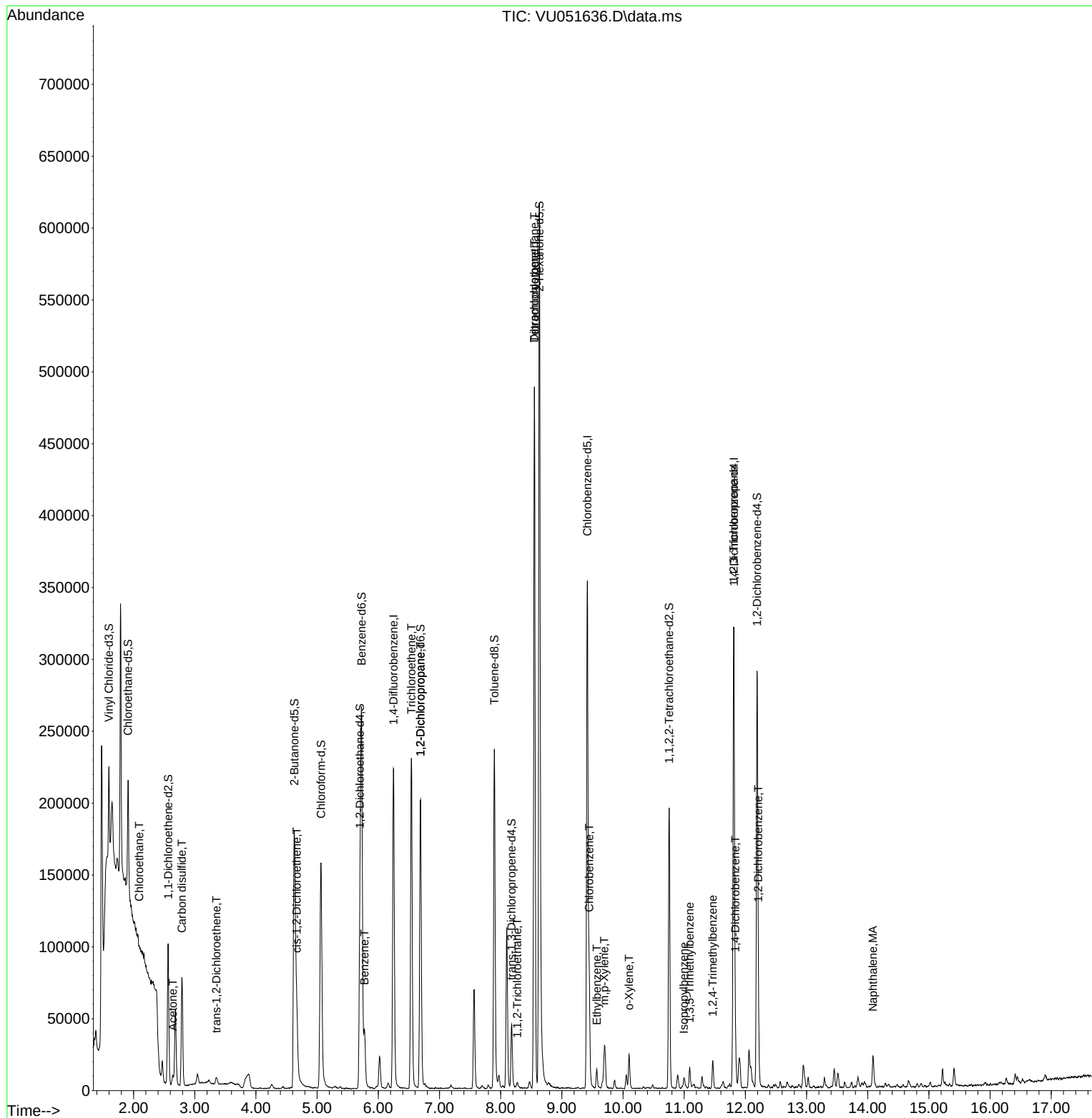
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.835	146	14526	0.456	ug/L	94
67) 1,2-Dichlorobenzene	12.211	146	17329	0.560	ug/L	96
71) Naphthalene	14.086	128	19515	0.602	ug/L	99

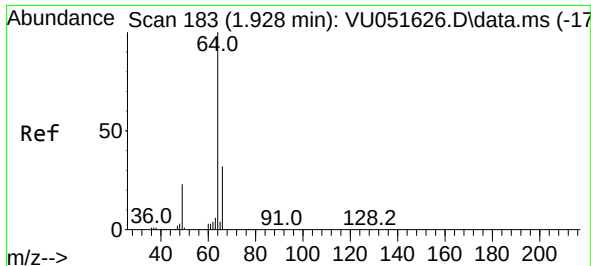
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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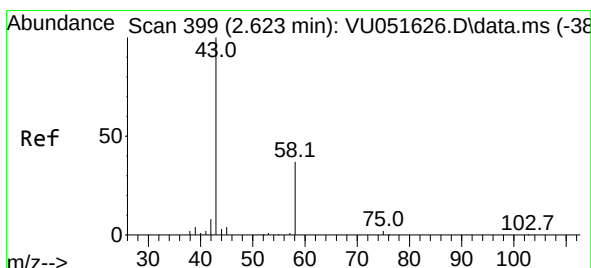
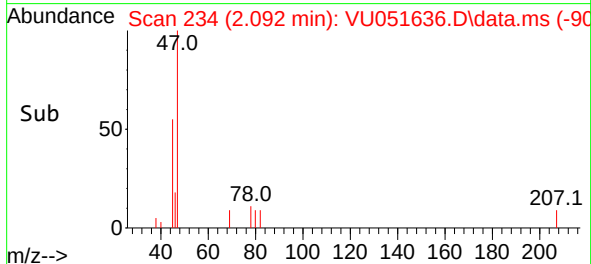
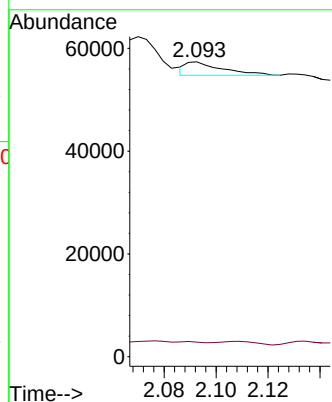
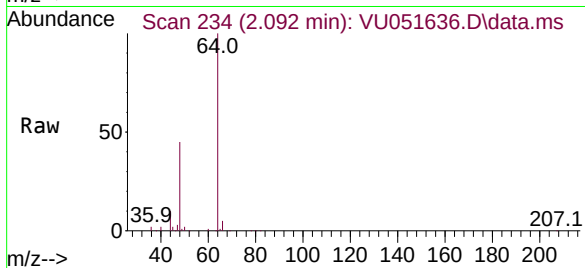




#8
Chloroethane
Concen: 0.166 ug/L
RT: 2.092 min Scan# 21
Delta R.T. 0.164 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

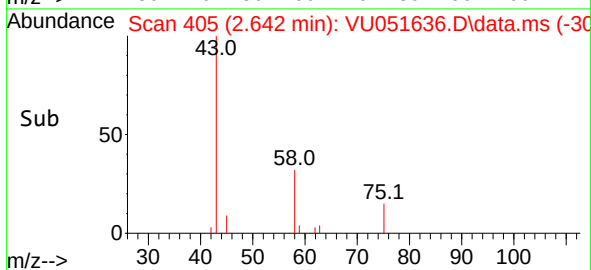
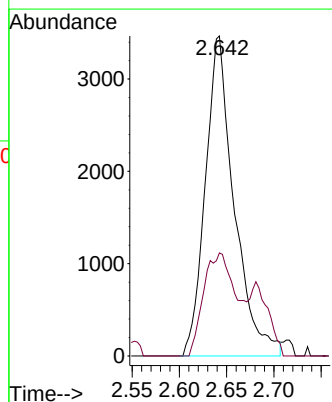
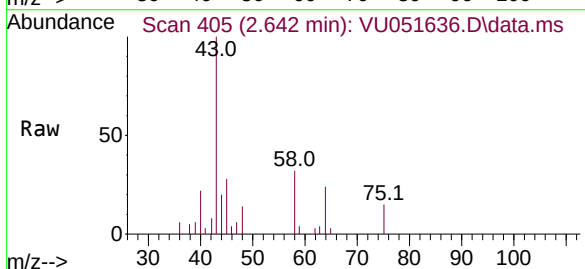
Instrument :
MSVOA_U
ClientSampleId :
DBWW5

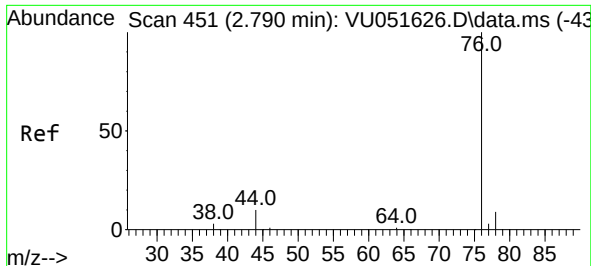
Tgt Ion: 64 Resp: 2491
Ion Ratio Lower Upper
64 100
66 5.0 22.3 41.5#



#13
Acetone
Concen: 2.836 ug/L
RT: 2.642 min Scan# 405
Delta R.T. 0.019 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

Tgt Ion: 43 Resp: 7339
Ion Ratio Lower Upper
43 100
58 36.7 0.0 73.8

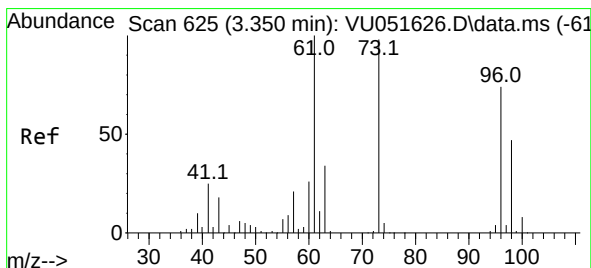
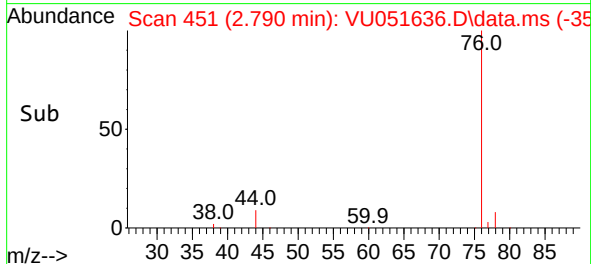
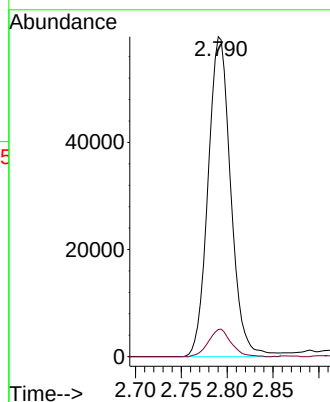
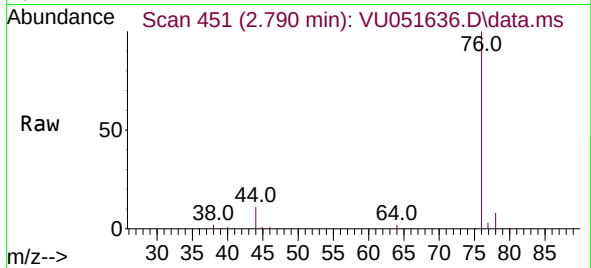




#14
Carbon disulfide
Concen: 1.965 ug/L
RT: 2.790 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

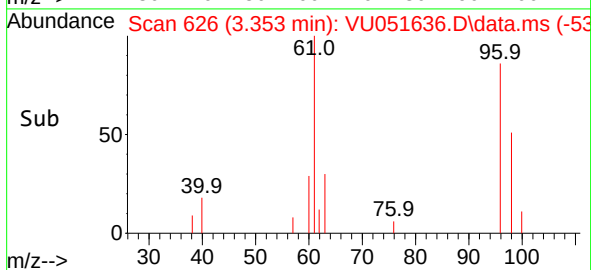
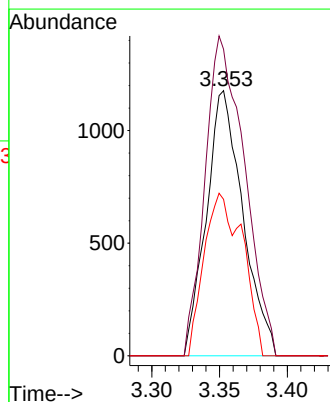
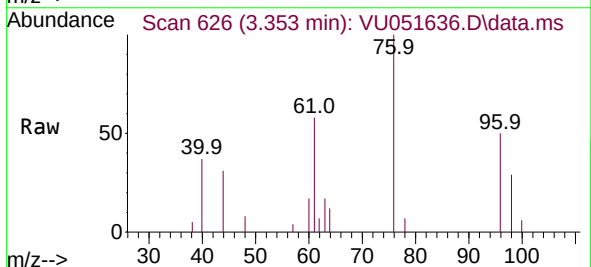
Instrument :
MSVOA_U
ClientSampleId :
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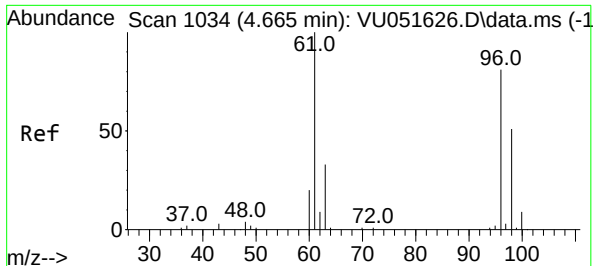
Tgt Ion: 76 Resp: 102939
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2



#18
trans-1,2-Dichloroethene
Concen: 0.126 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.003 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

Tgt Ion: 96 Resp: 2204
Ion Ratio Lower Upper
96 100
61 115.6 94.7 175.9
98 59.0 44.2 82.0





#22

cis-1,2-Dichloroethene

Concen: 0.987 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051636.D

Acq: 01 Nov 2022 01:59

Instrument :

MSVOA_U

ClientSampleId :

DBWW5

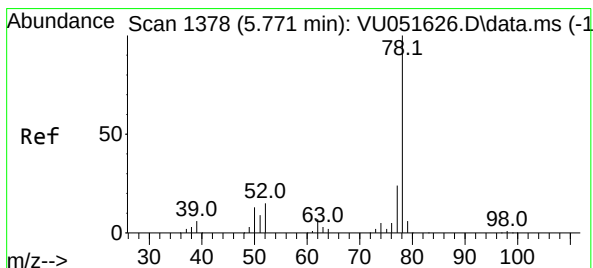
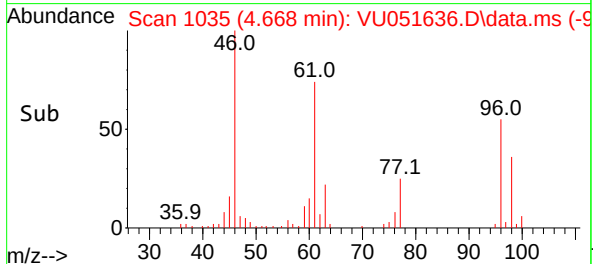
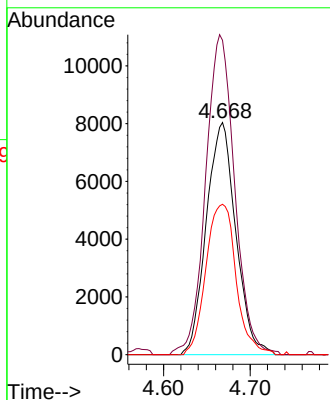
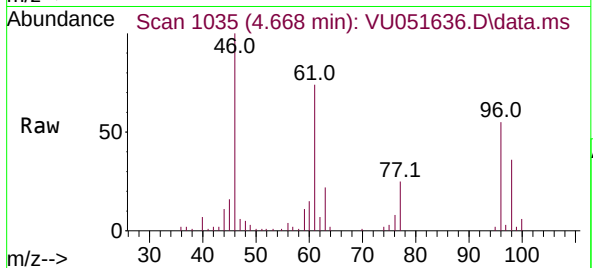
Tgt Ion: 96 Resp: 19042

Ion Ratio Lower Upper

96 100

61 135.4 86.4 160.4

98 64.8 44.2 82.2



#33

Benzene

Concen: 0.487 ug/L

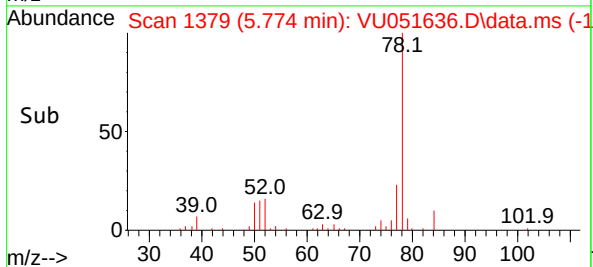
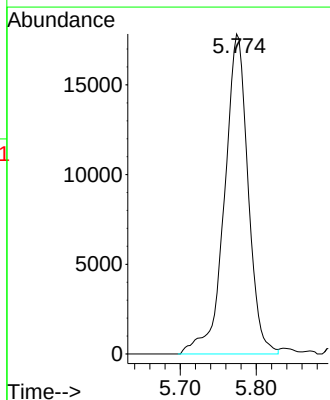
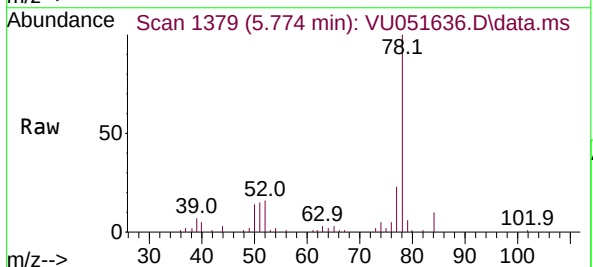
RT: 5.774 min Scan# 1379

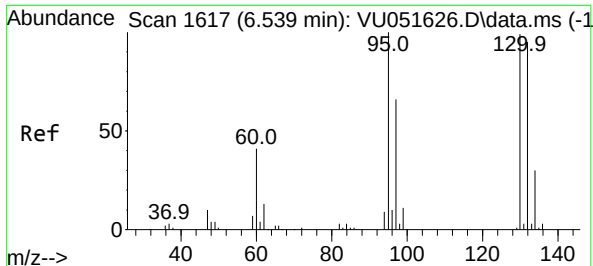
Delta R.T. 0.003 min

Lab File: VU051636.D

Acq: 01 Nov 2022 01:59

Tgt Ion: 78 Resp: 38446

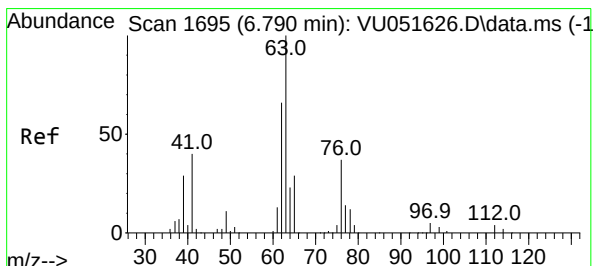
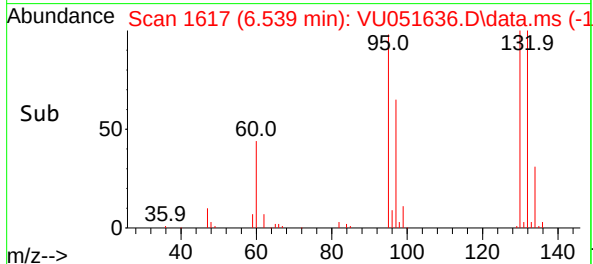
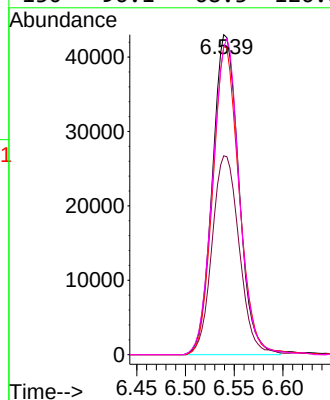
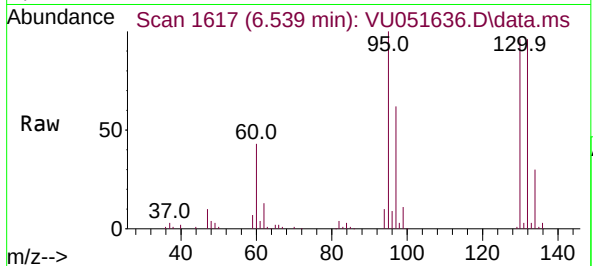




#34
Trichloroethene
Concen: 4.258 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

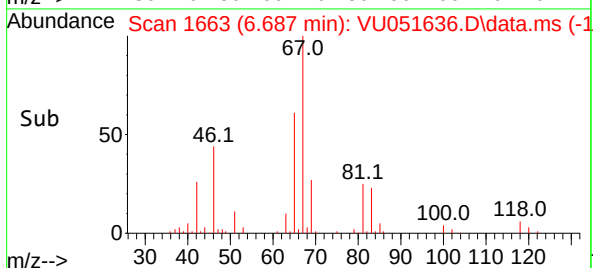
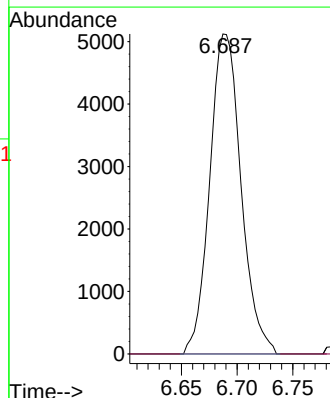
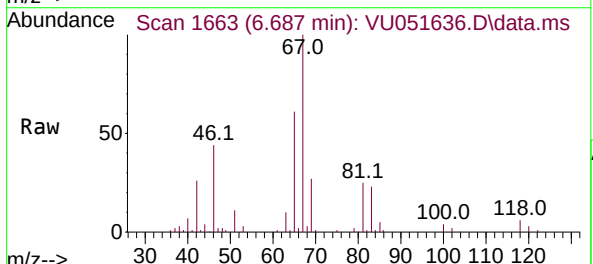
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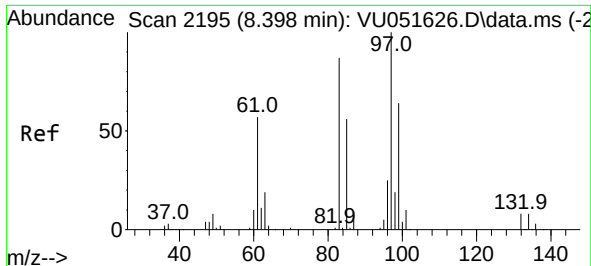
Tgt Ion: 95 Resp: 81144
Ion Ratio Lower Upper
95 100
97 62.1 45.2 84.0
132 96.3 66.5 123.5
130 96.1 68.3 126.8



#37
1,2-Dichloropropane
Concen: 0.493 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.103 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

Tgt Ion: 63 Resp: 10010
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#

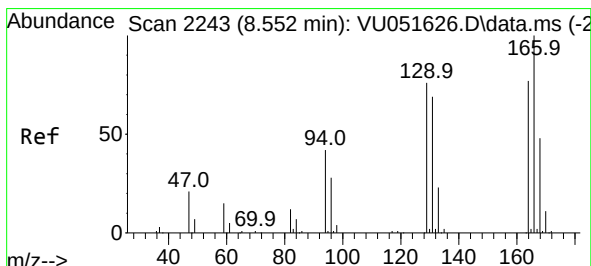
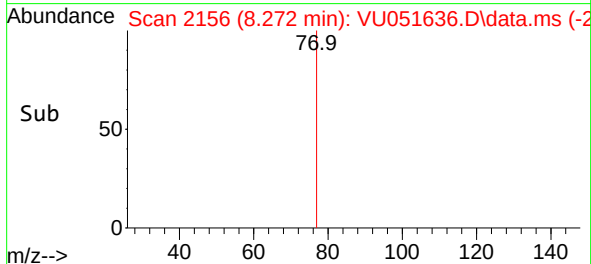
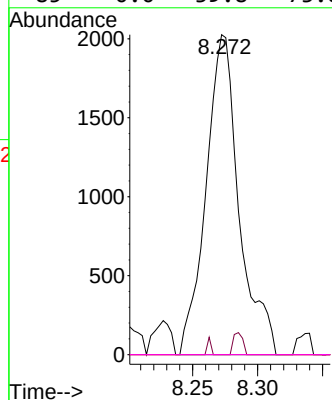
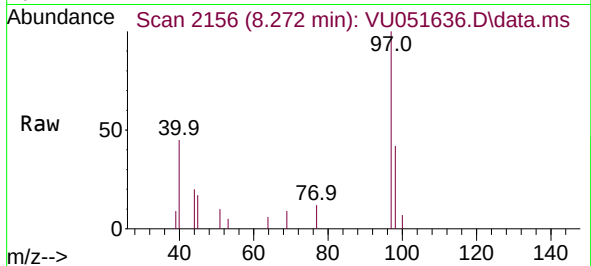




#45
1,1,2-Trichloroethane
Concen: 0.241 ug/L
RT: 8.272 min Scan# 2195
Delta R.T. -0.125 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

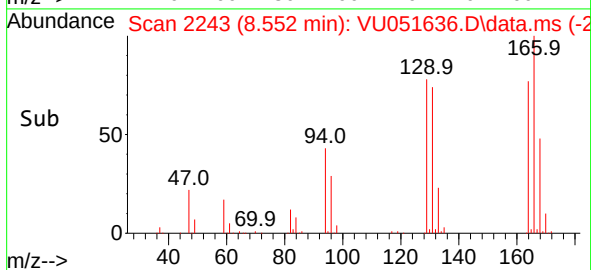
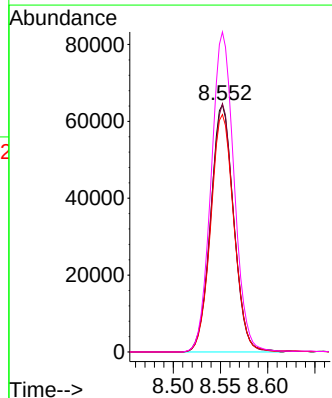
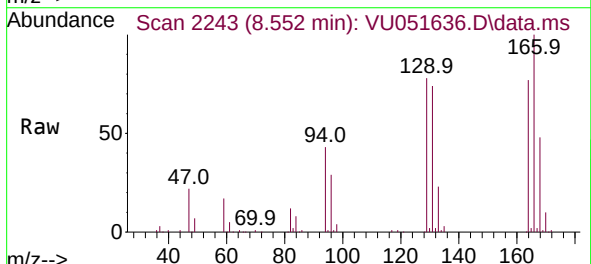
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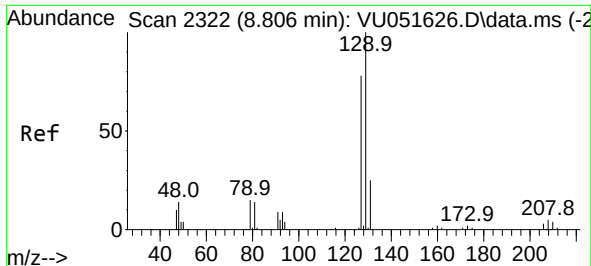
Tgt Ion: 97	Resp: 3585
Ion Ratio	Lower Upper
97 100	
99 0.0	43.4 80.6#
83 0.0	61.3 113.9#
85 0.0	39.8 73.8#



#47
Tetrachloroethene
Concen: 7.462 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

Tgt Ion: 164	Resp: 108889
Ion Ratio	Lower Upper
164 100	
129 100.5	64.0 118.8
131 96.0	60.7 112.7
166 129.4	86.8 161.2





#49

Dibromochloromethane

Concen: 6.357 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU051636.D

Acq: 01 Nov 2022 01:59

Instrument :

MSVOA_U

ClientSampleId :

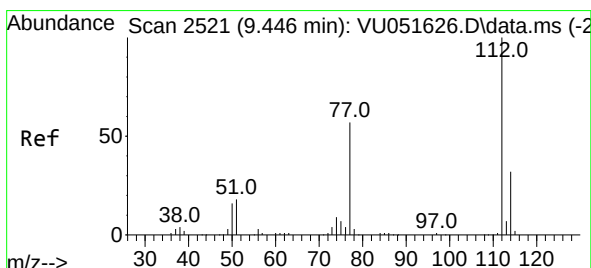
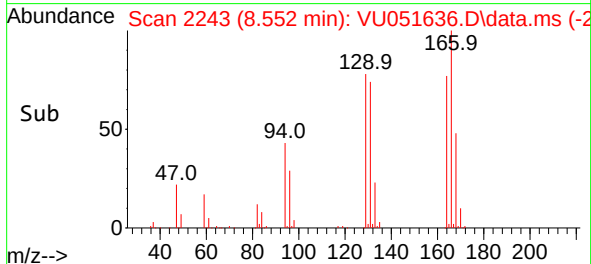
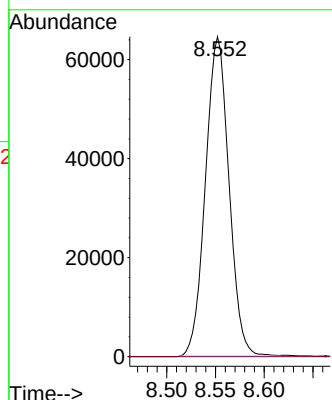
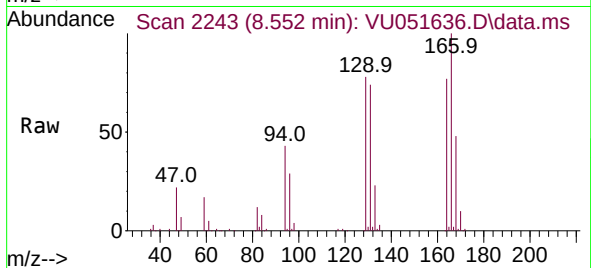
DBWW5

Tgt Ion:129 Resp: 108082

Ion Ratio Lower Upper

129 100

127 0.0 54.8 101.8#



#51

Chlorobenzene

Concen: 0.827 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051636.D

Acq: 01 Nov 2022 01:59

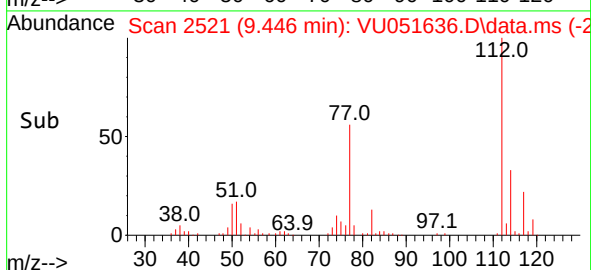
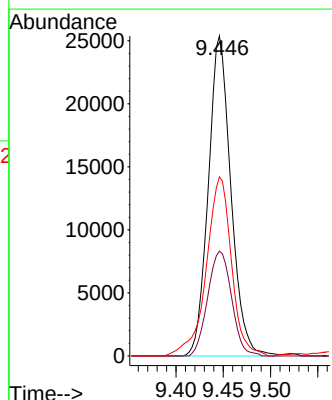
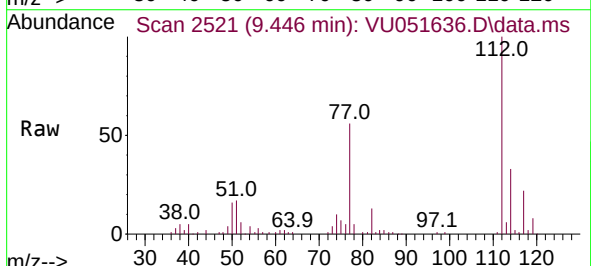
Tgt Ion:112 Resp: 42185

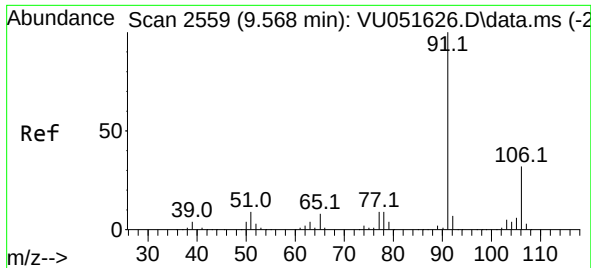
Ion Ratio Lower Upper

112 100

114 32.8 22.0 40.8

77 55.9 46.7 70.1

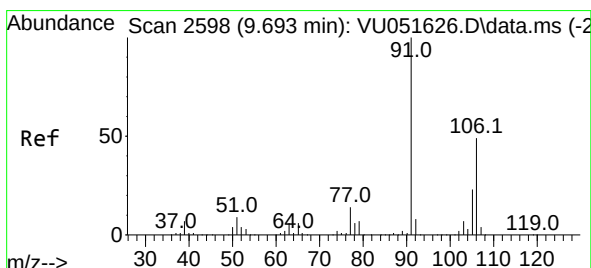
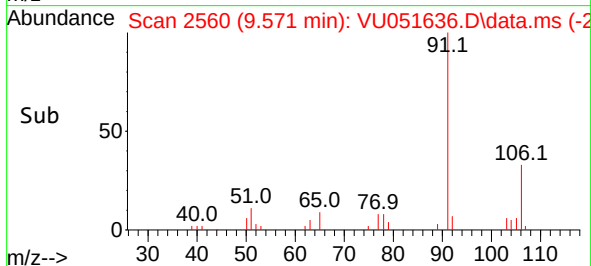
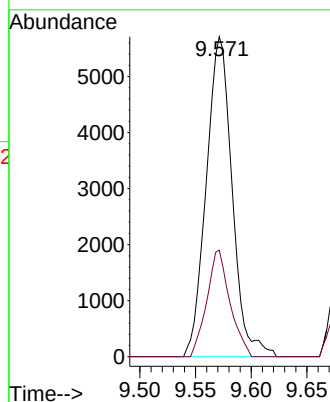
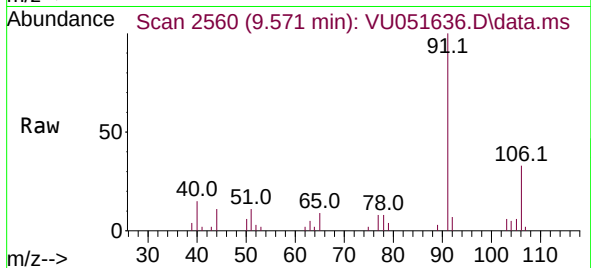




#52
Ethylbenzene
Concen: 0.118 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

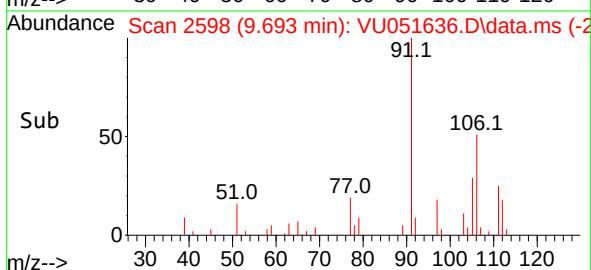
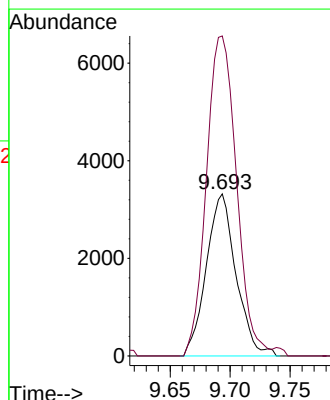
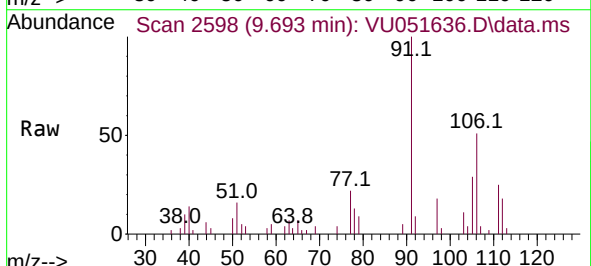
Instrument :
MSVOA_U
ClientSampleId :
DBWW5

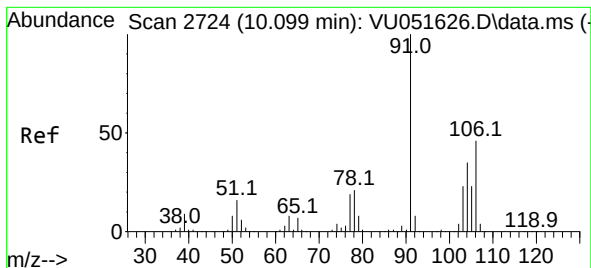
Tgt Ion: 91 Resp: 9240
Ion Ratio Lower Upper
91 100
106 33.3 21.8 40.6



#53
m,p-Xylene
Concen: 0.188 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

Tgt Ion: 106 Resp: 5717
Ion Ratio Lower Upper
106 100
91 197.4 139.4 259.0





#54

o-Xylene

Concen: 0.210 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051636.D

Acq: 01 Nov 2022 01:59

Instrument :

MSVOA_U

ClientSampleId :

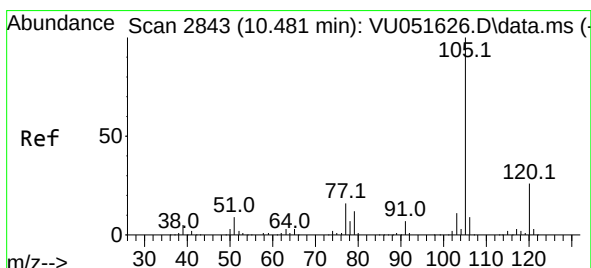
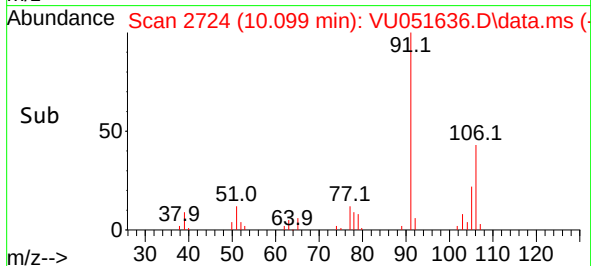
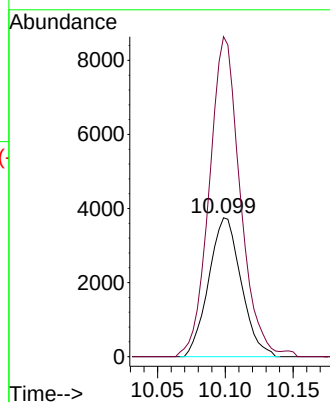
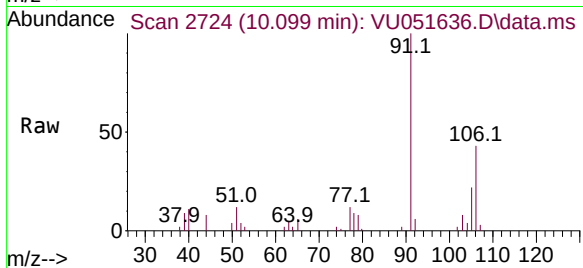
DBWW5

Tgt Ion:106 Resp: 6243

Ion Ratio Lower Upper

106 100

91 230.4 149.2 277.2



#60

Isopropylbenzene

Concen: 0.092 ug/L

RT: 10.996 min Scan# 3003

Delta R.T. 0.515 min

Lab File: VU051636.D

Acq: 01 Nov 2022 01:59

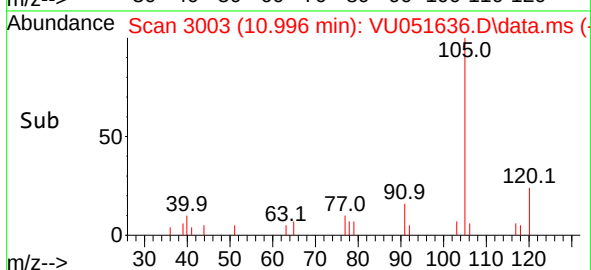
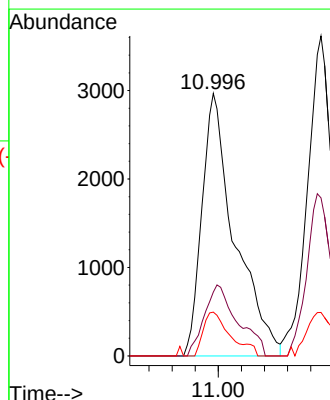
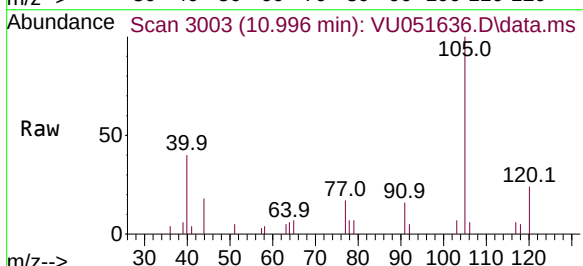
Tgt Ion:105 Resp: 5855

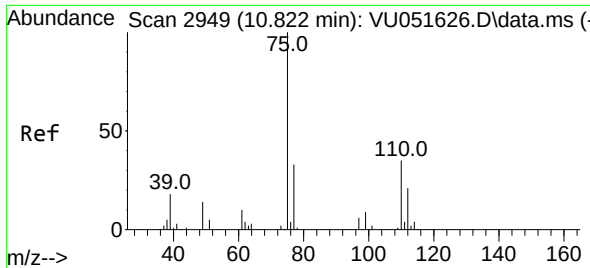
Ion Ratio Lower Upper

105 100

120 27.4 20.9 31.3

77 13.7 12.3 18.5

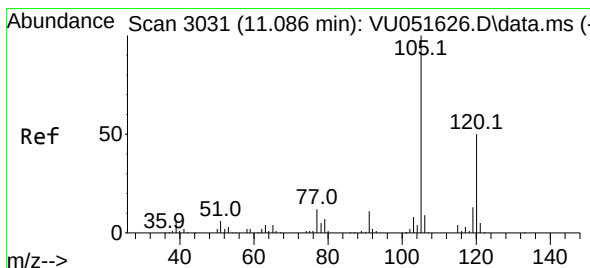
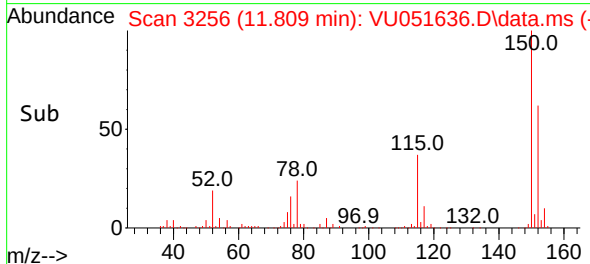
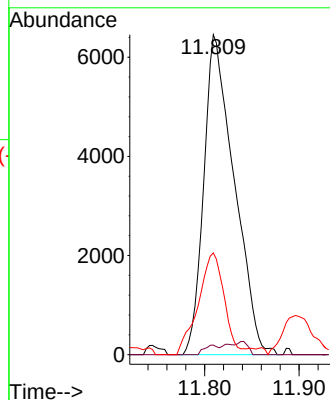
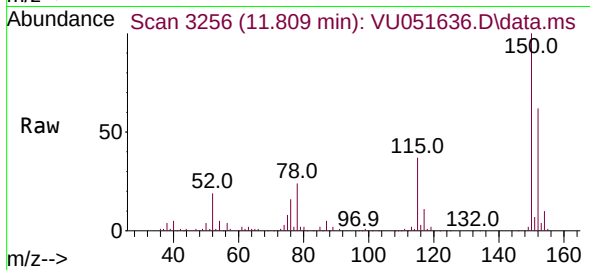




#61
1,2,3-Trichloropropane
Concen: 1.276 ug/L
RT: 11.809 min Scan# 3031
Delta R.T. 0.987 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

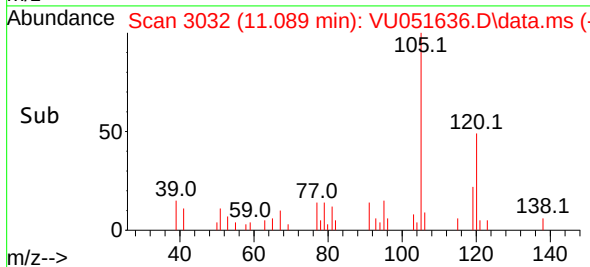
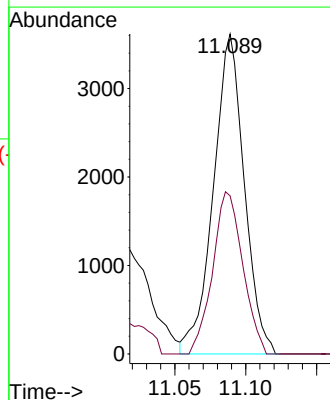
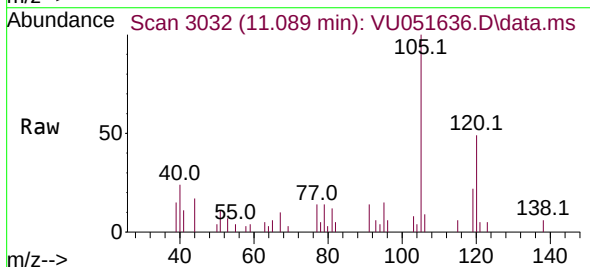
Instrument :
MSVOA_U
ClientSampleId :
DBWW5

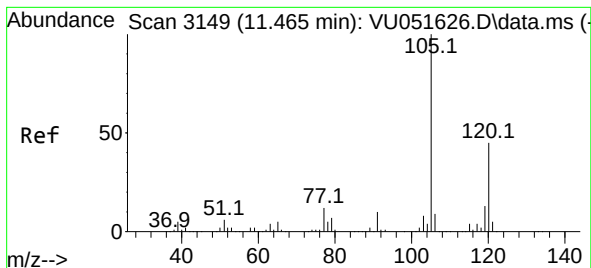
Tgt Ion: 75 Resp: 14418
Ion Ratio Lower Upper
75 100
110 1.4 28.7 43.1#
77 27.0 26.1 39.1



#62
1,3,5-Trimethylbenzene
Concen: 0.319 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.003 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

Tgt Ion: 105 Resp: 5470
Ion Ratio Lower Upper
105 100
120 49.4 38.6 57.8





#63

1,2,4-Trimethylbenzene

Concen: 0.210 ug/L

RT: 11.468 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU051636.D

Acq: 01 Nov 2022 01:59

Instrument :

MSVOA_U

ClientSampleId :

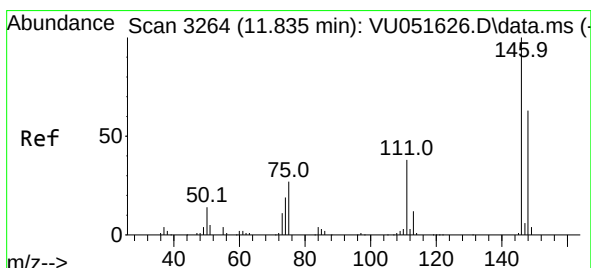
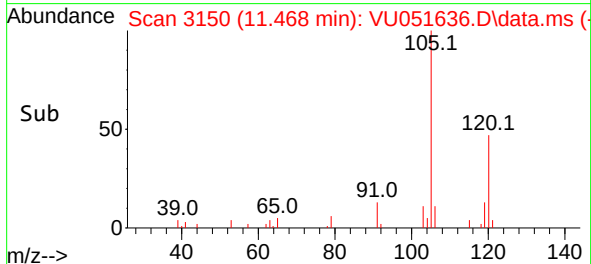
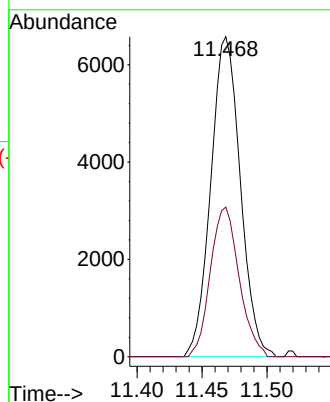
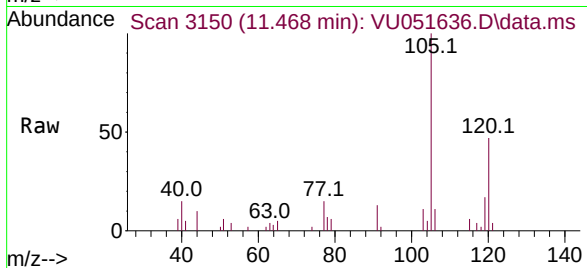
DBWW5

Tgt Ion:105 Resp: 10388

Ion Ratio Lower Upper

105 100

120 45.5 35.8 53.6



#65

1,4-Dichlorobenzene

Concen: 0.456 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.000 min

Lab File: VU051636.D

Acq: 01 Nov 2022 01:59

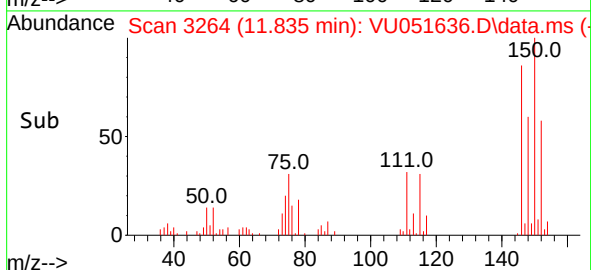
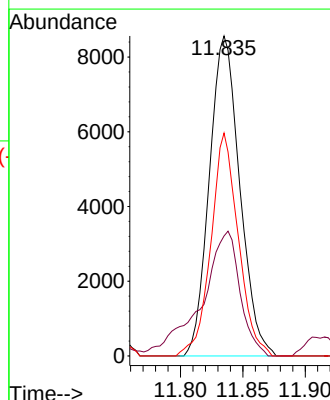
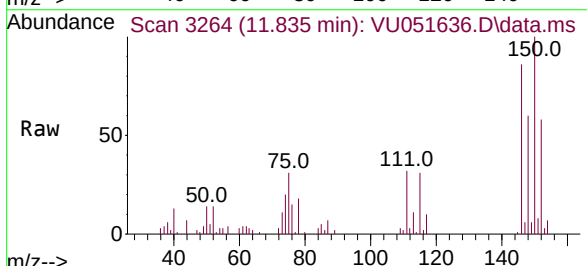
Tgt Ion:146 Resp: 14526

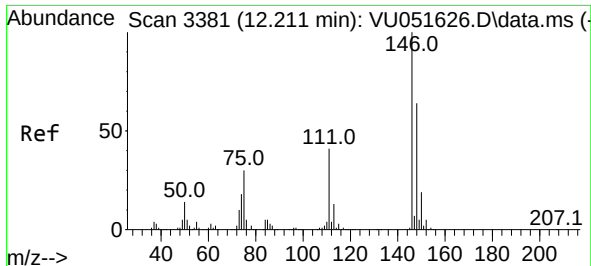
Ion Ratio Lower Upper

146 100

111 37.5 26.7 49.5

148 69.7 43.5 80.9

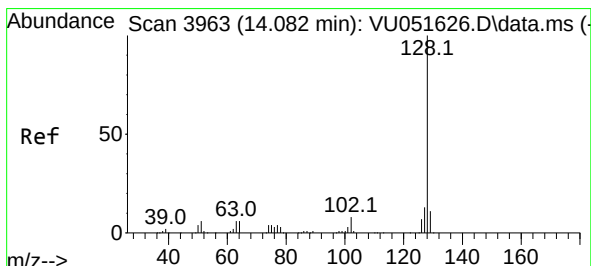
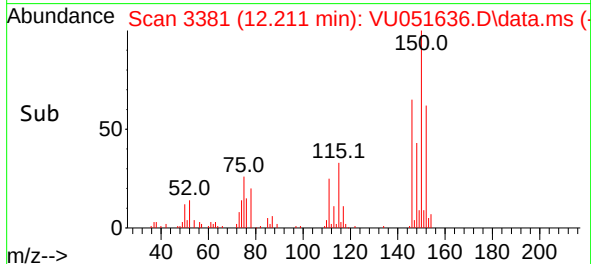
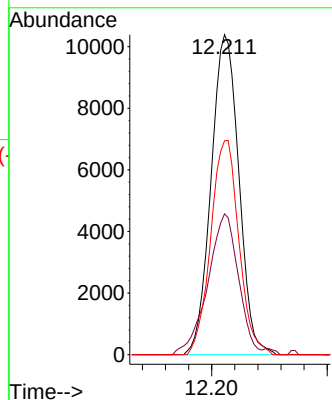
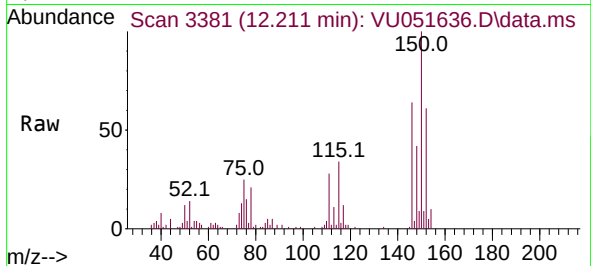




#67
1,2-Dichlorobenzene
Concen: 0.560 ug/L
RT: 12.211 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

Instrument :
MSVOA_U
ClientSampleId :
DBWW5

Tgt Ion:146 Resp: 17329
Ion Ratio Lower Upper
146 100
111 44.0 34.2 51.2
148 66.9 50.1 75.1



#71
Naphthalene
Concen: 0.602 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU051636.D
Acq: 01 Nov 2022 01:59

Tgt Ion:128 Resp: 19515
Ion Ratio Lower Upper
128 100
129 10.3 8.4 12.6
127 13.5 10.3 15.5

