

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
 Data File : VU051730.D
 Acq On : 03 Nov 2022 13:45
 Operator : JC/MD
 Sample : N5321-10DL 2X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBWM6DL

Quant Time: Nov 04 00:50:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 04 00:49:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	177599	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	196087	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	120572	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	61438	4.593	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.800%
7) Chloroethane-d5	1.910	69	56151	4.025	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.600%
11) 1,1-Dichloroethene-d2	2.562	65	24503	5.048	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.000%
20) 2-Butanone-d5	4.643	46	169849	35.062	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.120%
24) Chloroform-d	5.064	84	128984	4.121	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
26) 1,2-Dichloroethane-d4	5.700	65	65123	3.852	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
32) Benzene-d6	5.726	84	239210	3.866	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.691	67	83609	3.864	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.200%
41) Toluene-d8	7.896	98	185150	3.805	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	8.179	79	26561	4.015	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.633	63	136651	34.311	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.620%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	76365	3.851	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	95872	4.332	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
8) Chloroethane	2.057	64	2367	0.166	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.569	101	897	0.059	ug/L #	19
13) Acetone	2.665	43	25494	10.372	ug/L	61
14) Carbon disulfide	2.791	76	157384	3.162	ug/L	99
16) Methylene chloride	3.045	84	9631	0.381	ug/L	93
21) 2-Butanone	4.745	43	5308	1.379	ug/L	85
22) cis-1,2-Dichloroethene	4.659	96	1029	0.056	ug/L #	76
27) 1,2-Dichloroethane	5.771	62	3141	0.161	ug/L #	75
33) Benzene	5.771	78	363529	4.698	ug/L	100
35) Methylcyclohexane	6.761	83	7604	0.294	ug/L	92
45) 1,1,2-Trichloroethane	8.273	97	3200	0.219	ug/L #	14
51) Chlorobenzene	9.446	112	522303	10.442	ug/L	99
52) Ethylbenzene	9.568	91	90129	1.175	ug/L	97
53) m,p-Xylene	9.691	106	54745	1.838	ug/L	96
54) o-Xylene	10.099	106	35639	1.224	ug/L	99
55) Styrene	10.099	104	3333	0.068	ug/L #	1
60) Isopropylbenzene	10.996	105	97623	1.109	ug/L	92
61) 1,2,3-Trichloropropane	11.832	75	84682	5.431	ug/L #	60
62) 1,3,5-Trimethylbenzene	11.086	105	90330	3.812	ug/L	98

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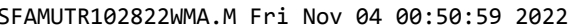
Quant Time: Nov 04 00:50:53 2022
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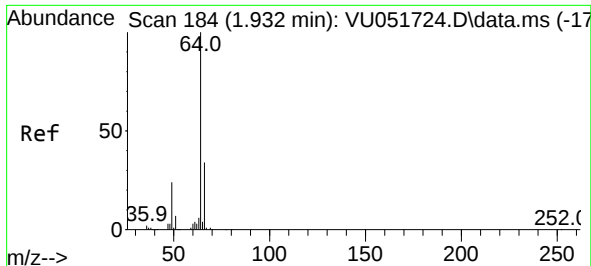
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

63) 1,2,4-Trimethylbenzene	11.465	105	238721	3.494	ug/L	98
64) 1,3-Dichlorobenzene	11.835	146	233483	5.328	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	233483	5.314	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	62270	1.459	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.973	75	1273	0.397	ug/L #	3
70) 1,2,4-trichlorobenzene	13.838	180	12525	0.522	ug/L #	78
71) Naphthalene	14.083	128	669424	14.955	ug/L	99

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

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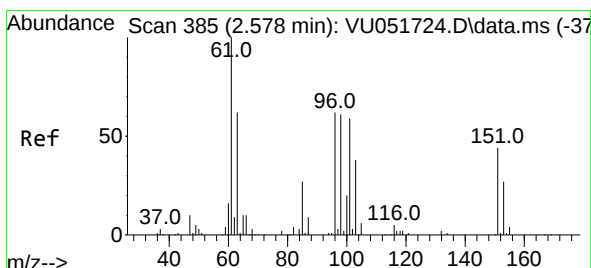
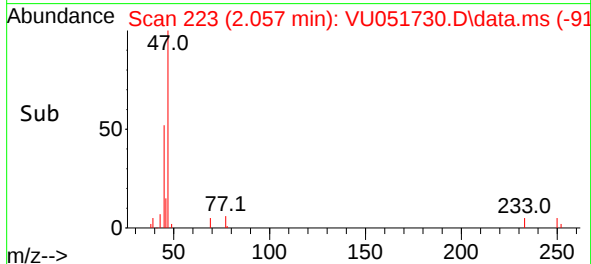
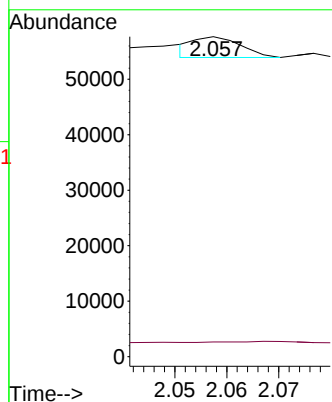
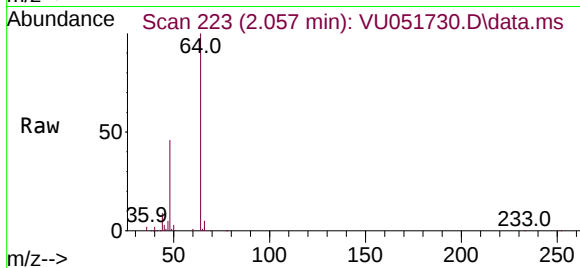




#8
Chloroethane
Concen: 0.166 ug/L
RT: 2.057 min Scan# 21
Delta R.T. 0.126 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

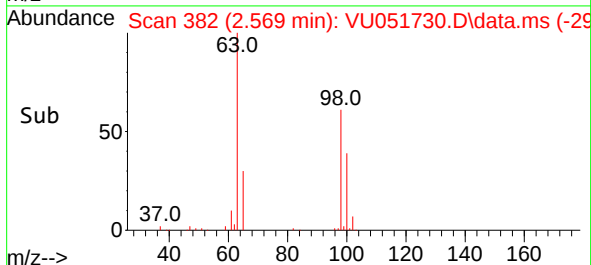
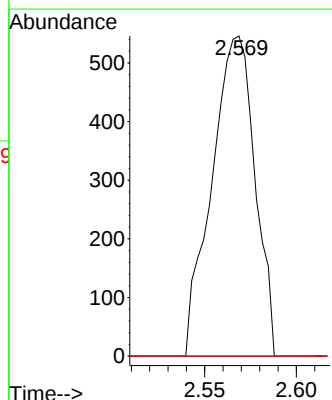
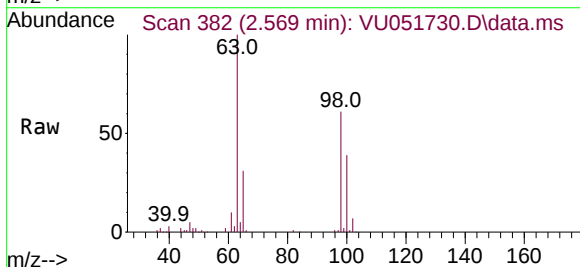
Instrument :
MSVOA_U
ClientSampleId :
DBWM6DL

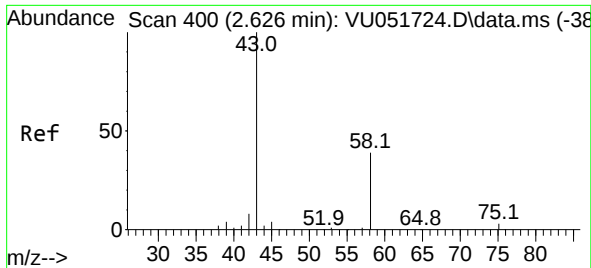
Tgt Ion: 64 Resp: 2367
Ion Ratio Lower Upper
64 100
66 4.6 22.3 41.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.059 ug/L
RT: 2.569 min Scan# 382
Delta R.T. -0.009 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

Tgt Ion: 101 Resp: 897
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 59.6 89.4#

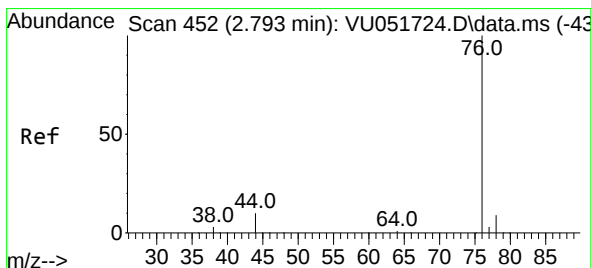
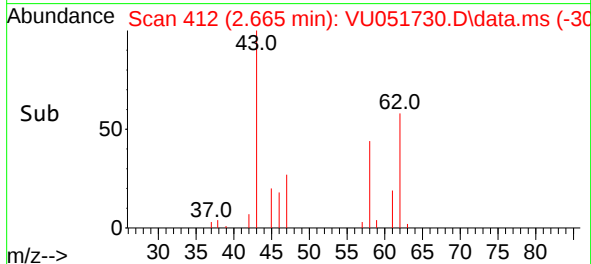
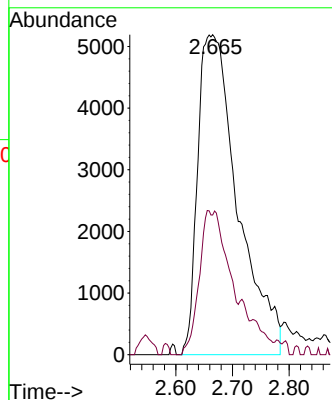
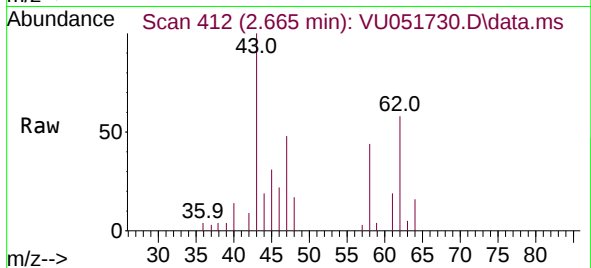




#13
Acetone
Concen: 10.372 ug/L
RT: 2.665 min Scan# 412
Delta R.T. 0.039 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

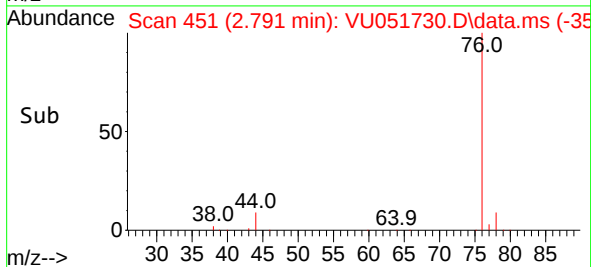
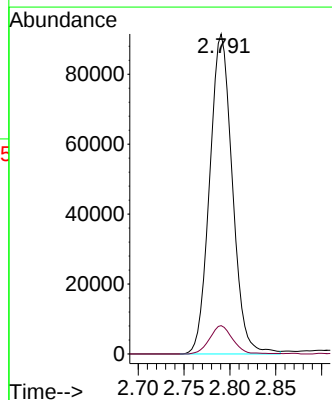
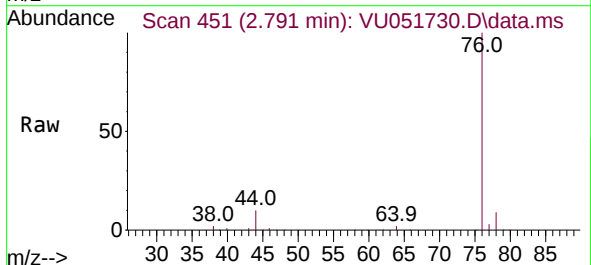
Instrument :
MSVOA_U
ClientSampleId :
DBWM6DL

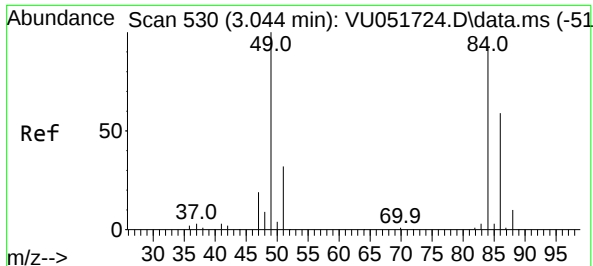
Tgt Ion: 43 Resp: 25494
Ion Ratio Lower Upper
43 100
58 13.8 0.0 73.8



#14
Carbon disulfide
Concen: 3.162 ug/L
RT: 2.791 min Scan# 451
Delta R.T. -0.003 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

Tgt Ion: 76 Resp: 157384
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2





#16

Methylene chloride

Concen: 0.381 ug/L

RT: 3.045 min Scan# 51

Delta R.T. 0.000 min

Lab File: VU051730.D

Acq: 03 Nov 2022 13:45

Instrument :

MSVOA_U

ClientSampleId :

DBWM6DL

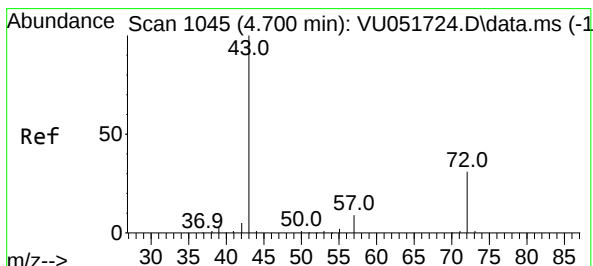
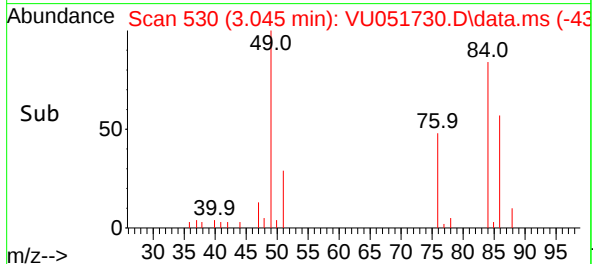
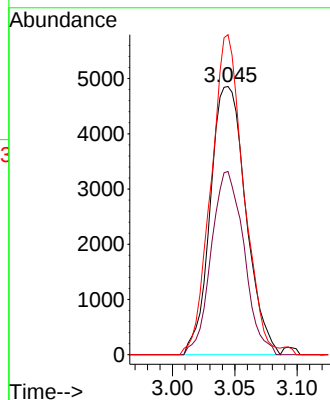
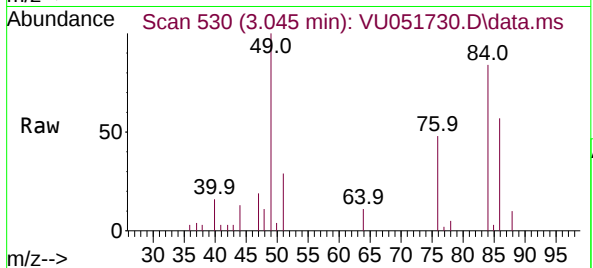
Tgt Ion: 84 Resp: 9631

Ion Ratio Lower Upper

84 100

86 68.3 46.3 85.9

49 119.3 76.0 141.2



#21

2-Butanone

Concen: 1.379 ug/L

RT: 4.745 min Scan# 1059

Delta R.T. 0.045 min

Lab File: VU051730.D

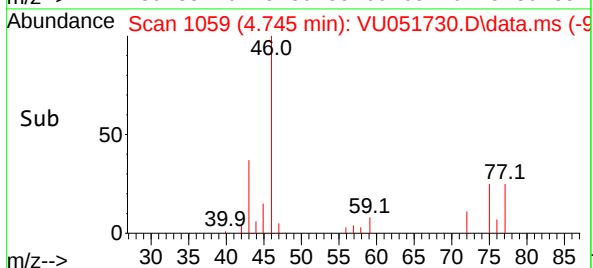
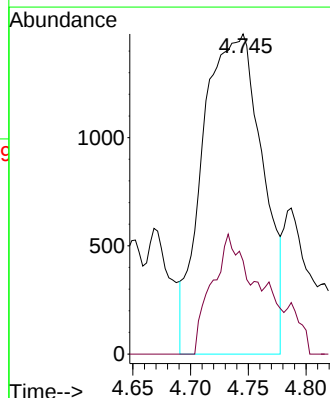
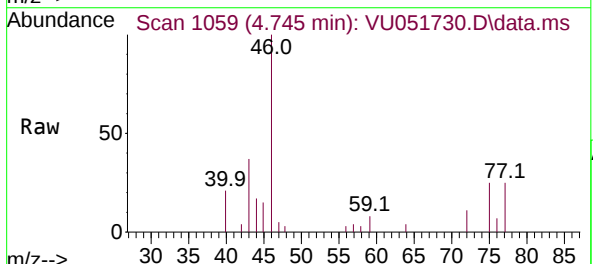
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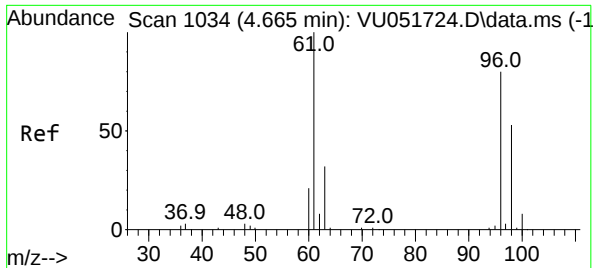
Tgt Ion: 43 Resp: 5308

Ion Ratio Lower Upper

43 100

72 23.8 16.2 48.5

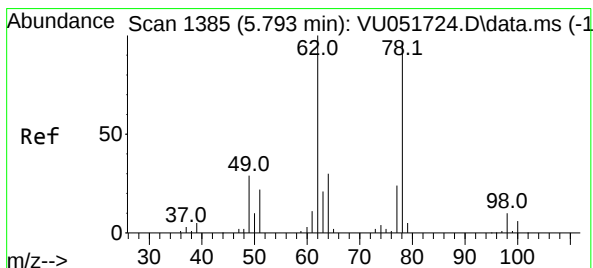
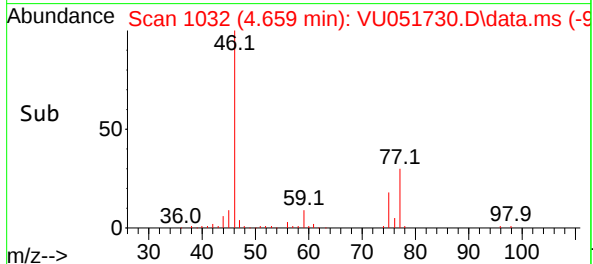
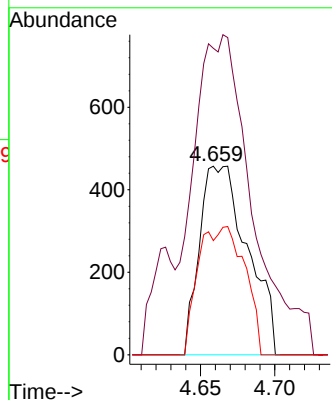
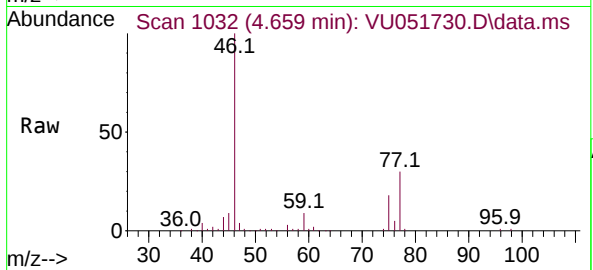




#22
 cis-1,2-Dichloroethene
 Concen: 0.056 ug/L
 RT: 4.659 min Scan# 1032
 Delta R.T. -0.006 min
 Lab File: VU051730.D
 Acq: 03 Nov 2022 13:45

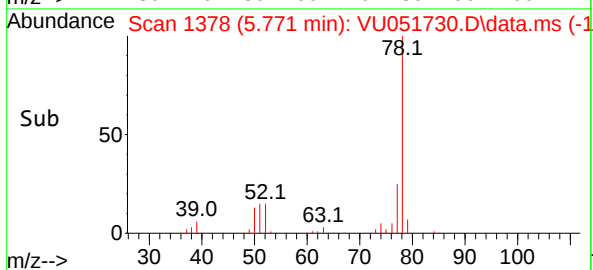
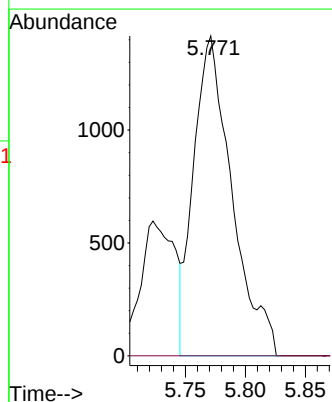
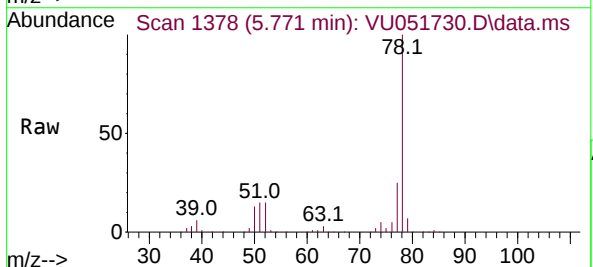
Instrument :
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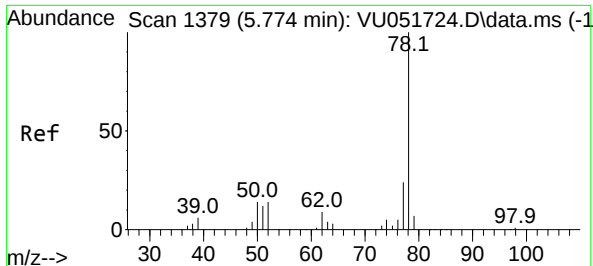
Tgt Ion: 96 Resp: 1029
 Ion Ratio Lower Upper
 96 100
 61 162.6 86.4 160.4#
 98 60.6 44.2 82.2



#27
 1,2-Dichloroethane
 Concen: 0.161 ug/L
 RT: 5.771 min Scan# 1378
 Delta R.T. -0.022 min
 Lab File: VU051730.D
 Acq: 03 Nov 2022 13:45

Tgt Ion: 62 Resp: 3141
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.0#

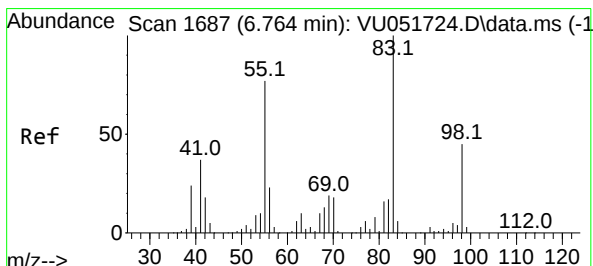
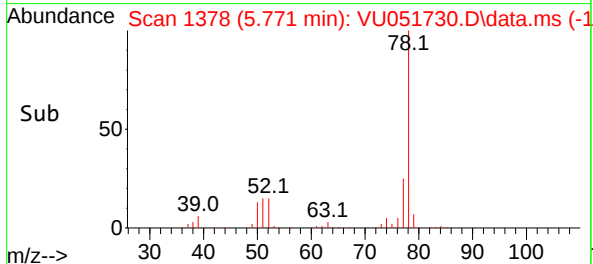
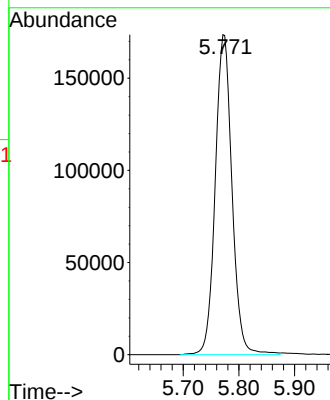
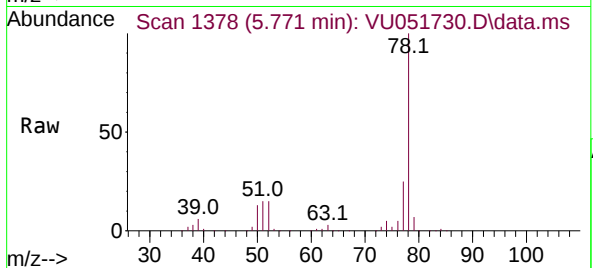




#33
Benzene
Concen: 4.698 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

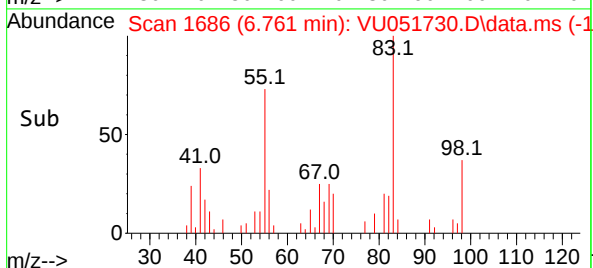
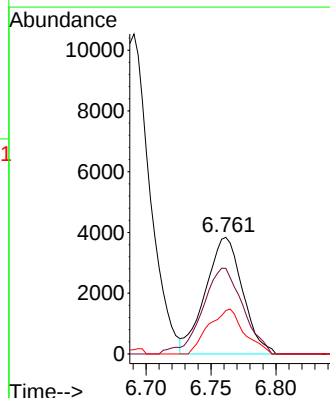
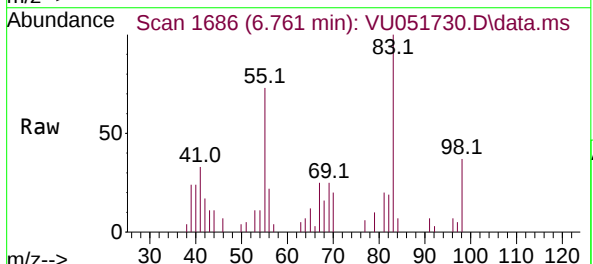
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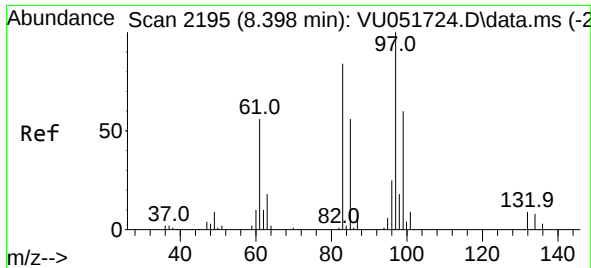
Tgt Ion: 78 Resp: 363529



#35
Methylcyclohexane
Concen: 0.294 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

Tgt Ion: 83 Resp: 7604
Ion Ratio Lower Upper
83 100
55 79.9 60.6 90.8
98 36.9 35.8 53.6



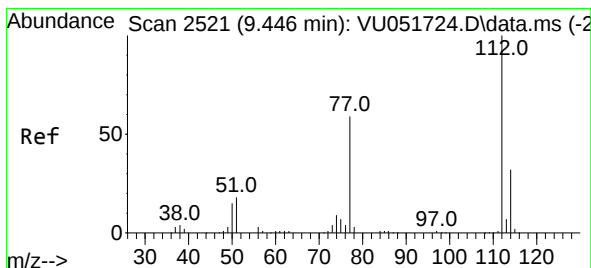
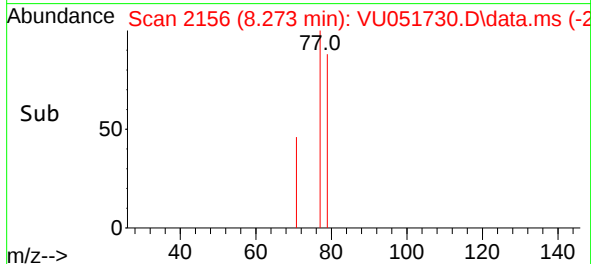
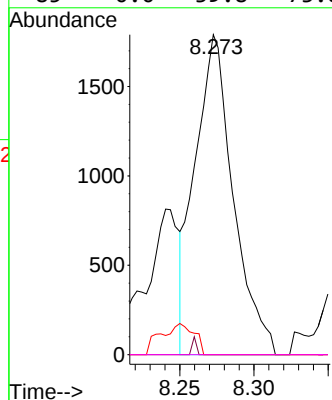
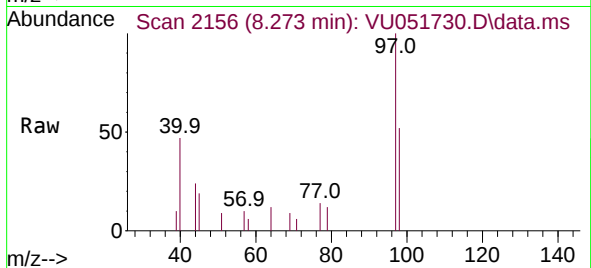


#45
1,1,2-Trichloroethane
Concen: 0.219 ug/L
RT: 8.273 min Scan# 2195
Delta R.T. -0.125 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

Instrument :
MSVOA_U
ClientSampleId :
DBWM6DL

Tgt Ion: 97 Resp: 3200

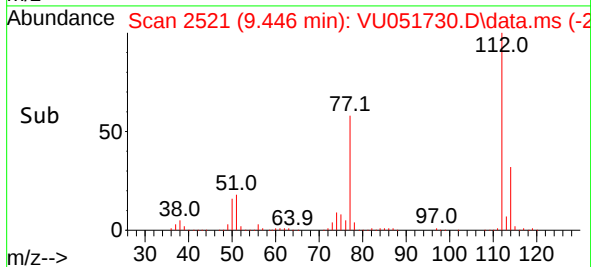
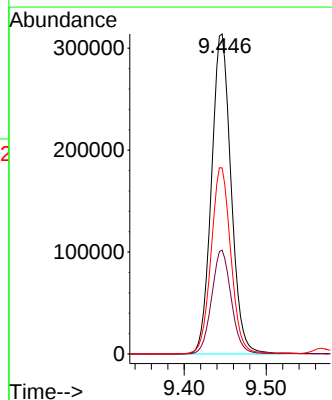
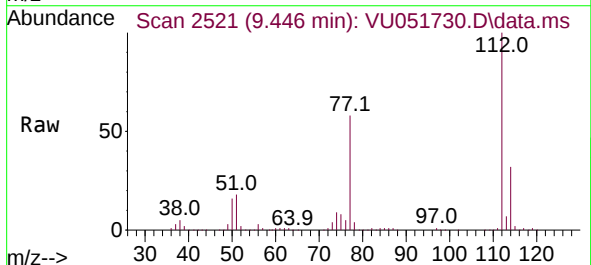
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.4	80.6#
83	0.0	61.3	113.9#
85	0.0	39.8	73.8#

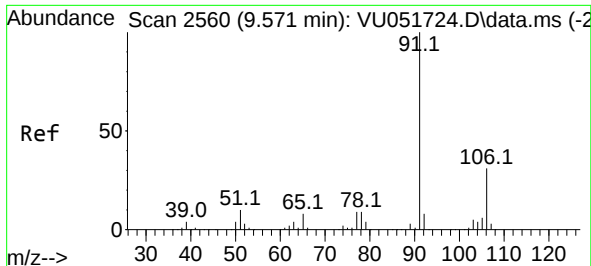


#51
Chlorobenzene
Concen: 10.442 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

Tgt Ion: 112 Resp: 522303

Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.0	40.8
77	58.1	46.7	70.1

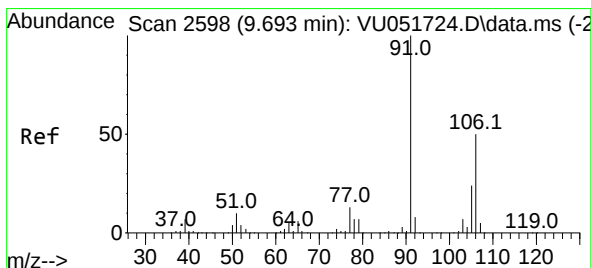
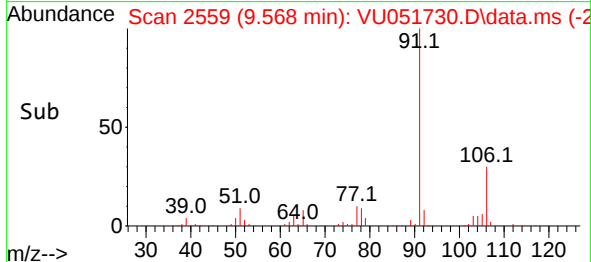
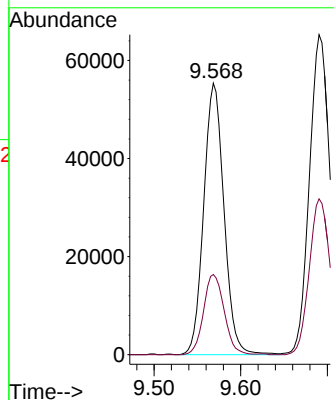
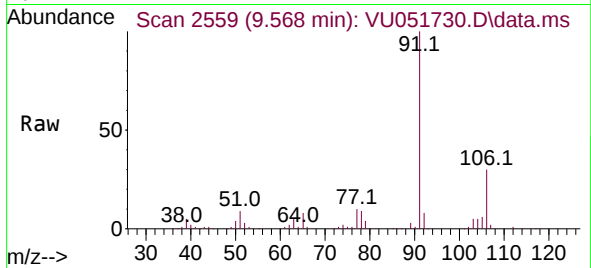




#52
Ethylbenzene
Concen: 1.175 ug/L
RT: 9.568 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

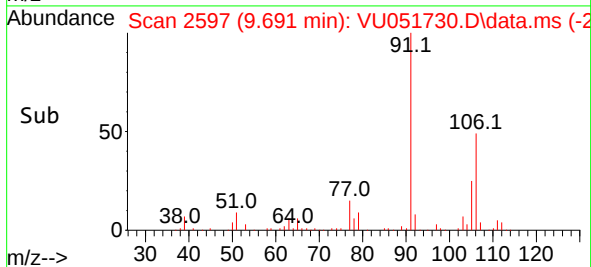
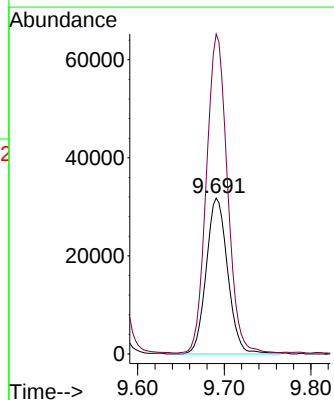
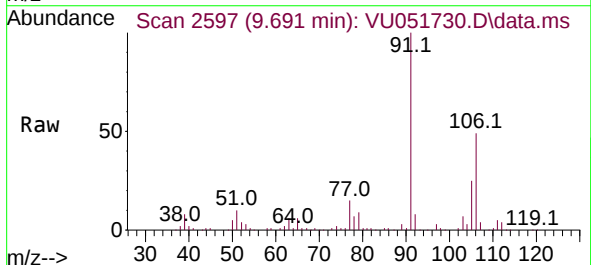
Instrument :
MSVOA_U
ClientSampleId :
DBWM6DL

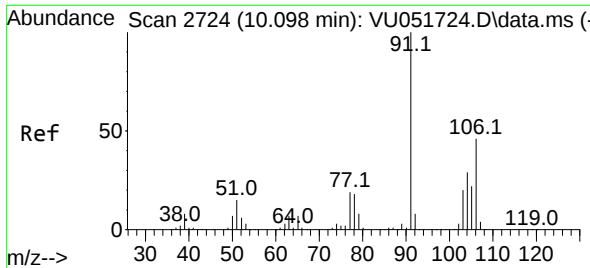
Tgt Ion: 91 Resp: 90129
Ion Ratio Lower Upper
91 100
106 29.6 21.8 40.6



#53
m,p-Xylene
Concen: 1.838 ug/L
RT: 9.691 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

Tgt Ion: 106 Resp: 54745
Ion Ratio Lower Upper
106 100
91 205.4 139.4 259.0

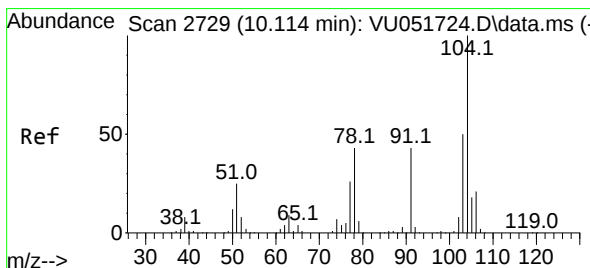
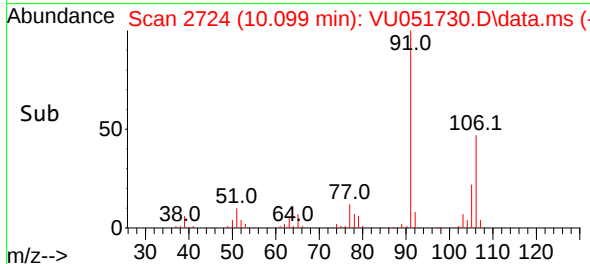
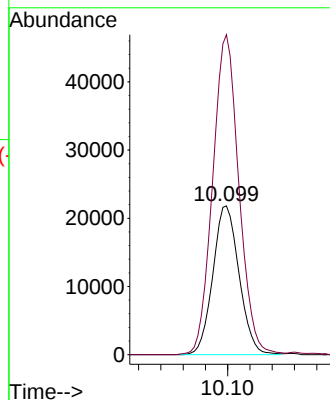
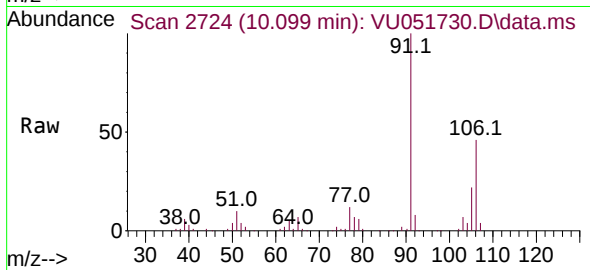




#54
o-Xylene
Concen: 1.224 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

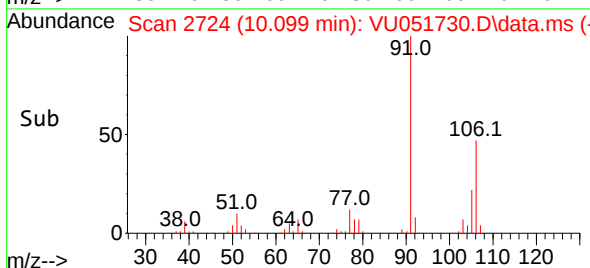
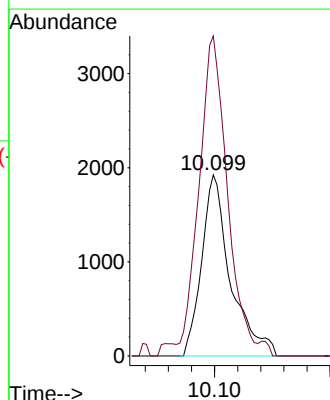
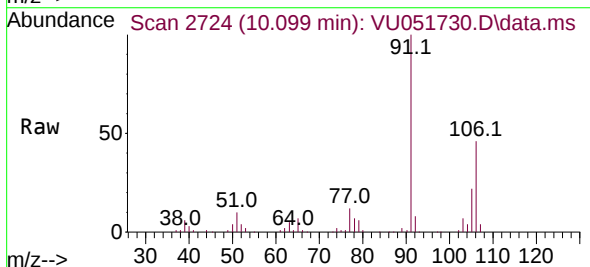
Instrument :
MSVOA_U
ClientSampleId :
DBWM6DL

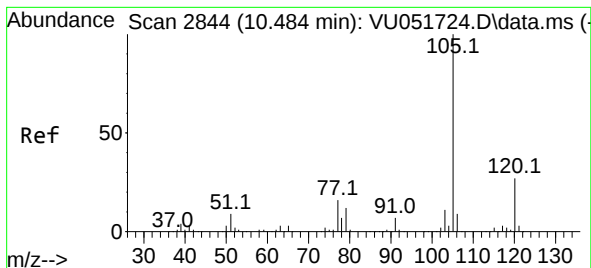
Tgt Ion:106 Resp: 35639
Ion Ratio Lower Upper
106 100
91 215.2 149.2 277.2



#55
Styrene
Concen: 0.068 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.016 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

Tgt Ion:104 Resp: 3333
Ion Ratio Lower Upper
104 100
78 176.7 31.8 59.0#





#60

Isopropylbenzene

Concen: 1.109 ug/L

RT: 10.996 min Scan# 30

Delta R.T. 0.512 min

Lab File: VU051730.D

Acq: 03 Nov 2022 13:45

Instrument :

MSVOA_U

ClientSampleId :

DBWM6DL

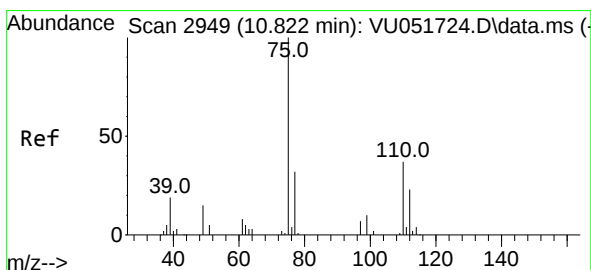
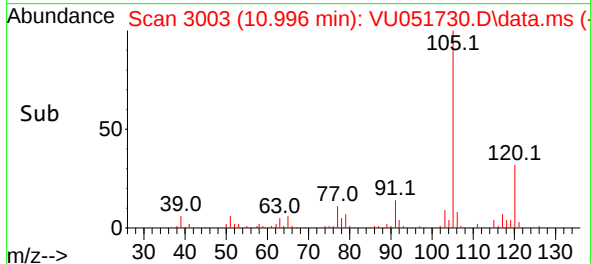
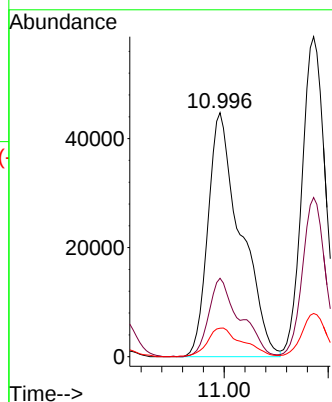
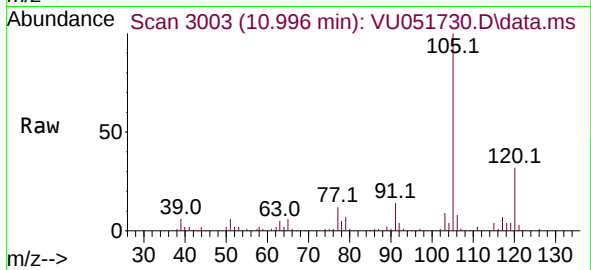
Tgt Ion:105 Resp: 97623

Ion Ratio Lower Upper

105 100

120 30.8 20.9 31.3

77 12.6 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 5.431 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. 1.010 min

Lab File: VU051730.D

Acq: 03 Nov 2022 13:45

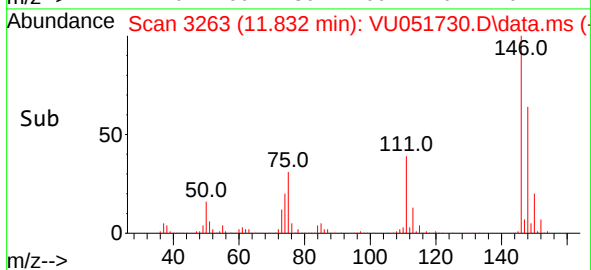
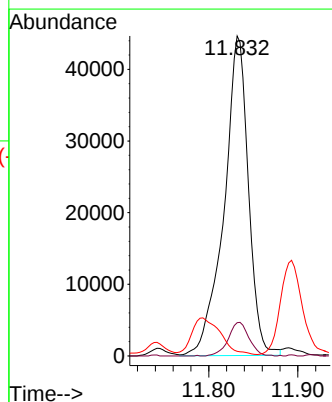
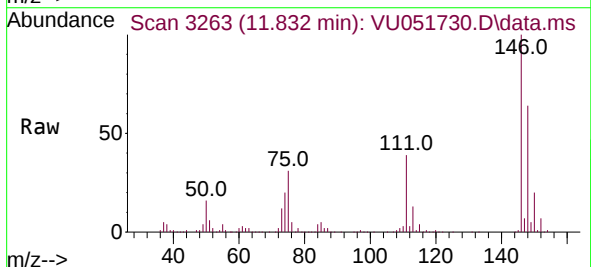
Tgt Ion: 75 Resp: 84682

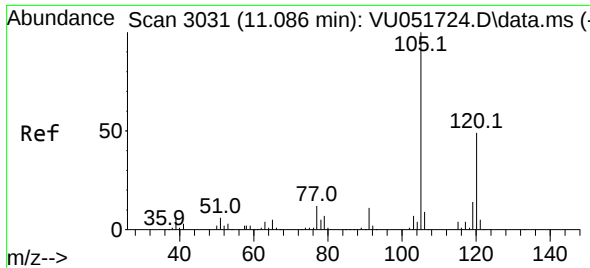
Ion Ratio Lower Upper

75 100

110 9.0 28.7 43.1#

77 13.4 26.1 39.1#

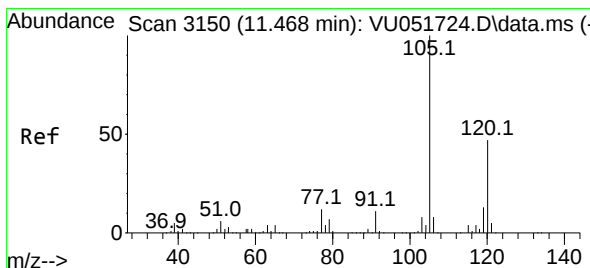
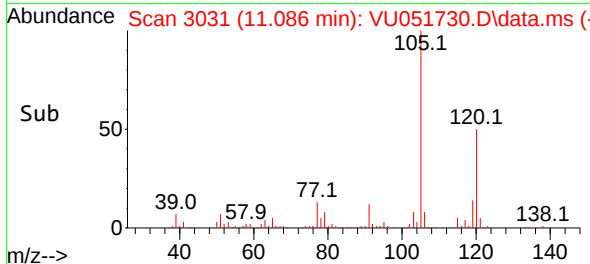
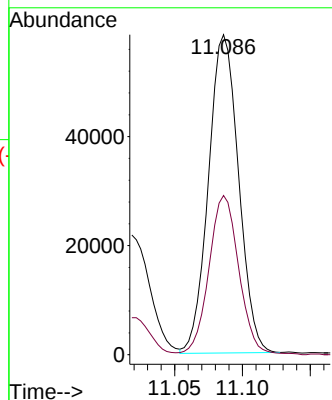
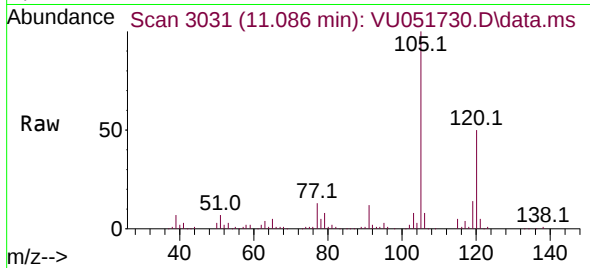




#62
 1,3,5-Trimethylbenzene
 Concen: 3.812 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051730.D
 Acq: 03 Nov 2022 13:45

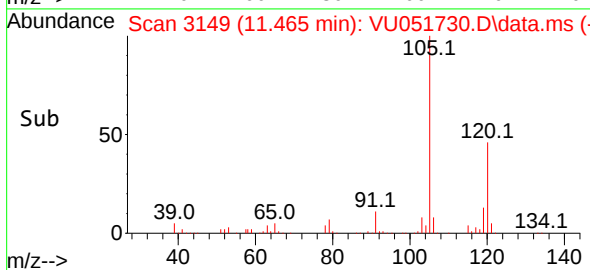
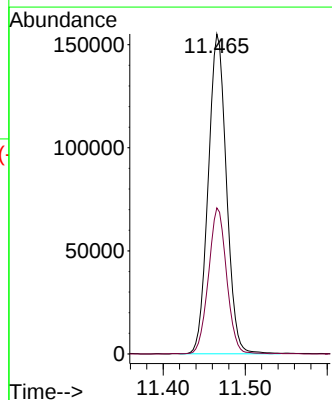
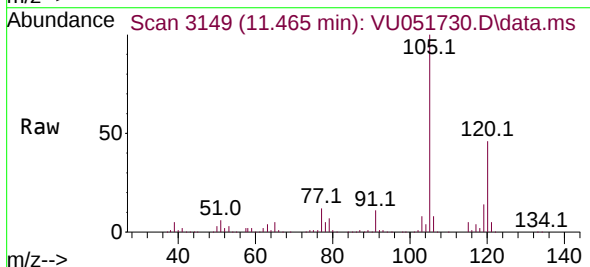
Instrument :
 MSVOA_U
 ClientSampleId :
 DBWM6DL

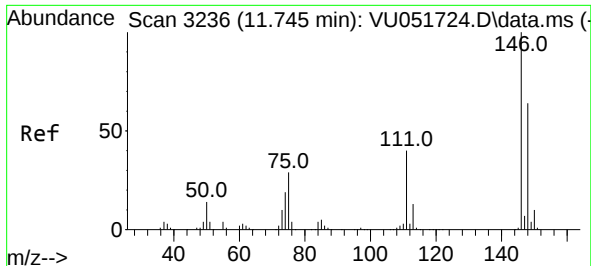
Tgt Ion:105 Resp: 90330
 Ion Ratio Lower Upper
 105 100
 120 49.8 38.6 57.8



#63
 1,2,4-Trimethylbenzene
 Concen: 3.494 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051730.D
 Acq: 03 Nov 2022 13:45

Tgt Ion:105 Resp: 238721
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.8 53.6

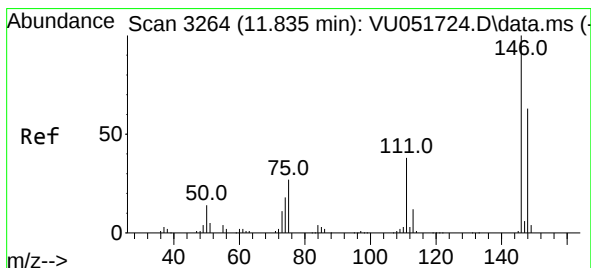
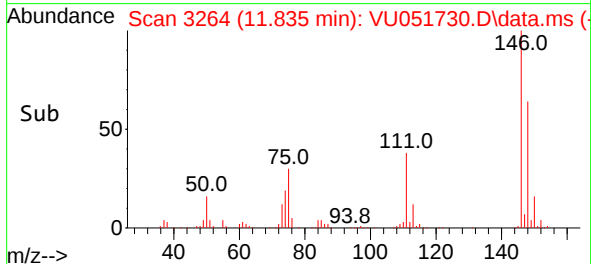
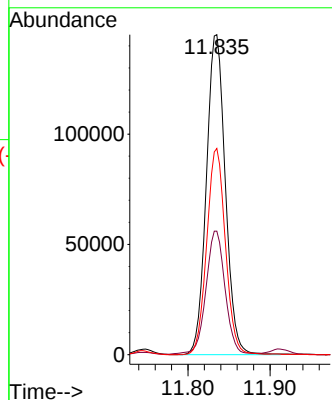
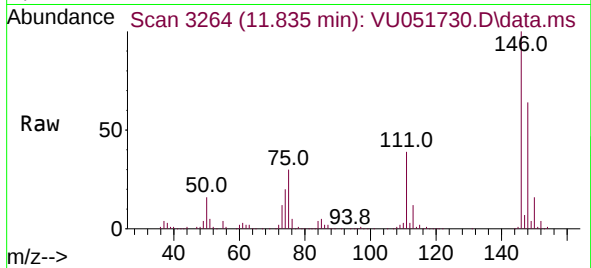




#64
1,3-Dichlorobenzene
Concen: 5.328 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.091 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

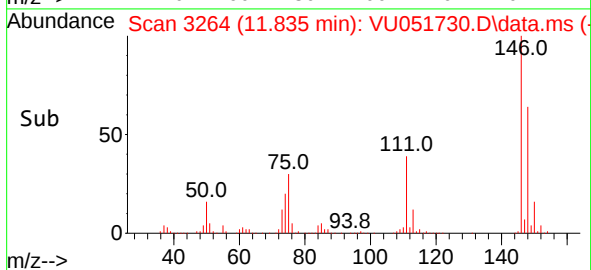
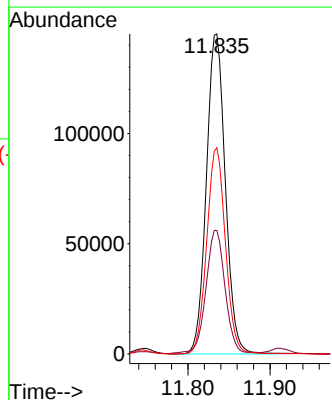
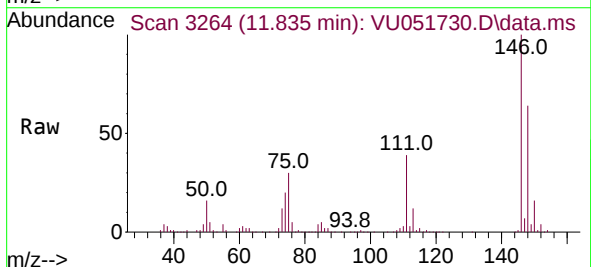
Instrument :
MSVOA_U
ClientSampleId :
DBWM6DL

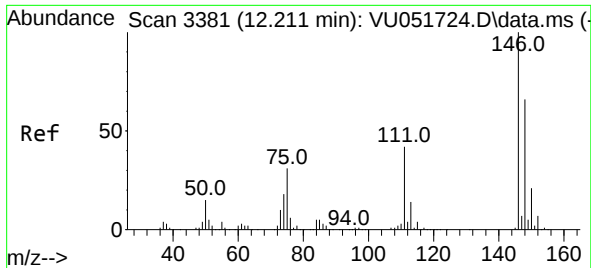
Tgt Ion:146 Resp: 233483
Ion Ratio Lower Upper
146 100
111 38.6 28.6 53.2
148 64.5 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 5.314 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.001 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

Tgt Ion:146 Resp: 233483
Ion Ratio Lower Upper
146 100
111 38.6 26.7 49.5
148 64.5 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 1.459 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU051730.D

Acq: 03 Nov 2022 13:45

Instrument :

MSVOA_U

ClientSampleId :

DBWM6DL

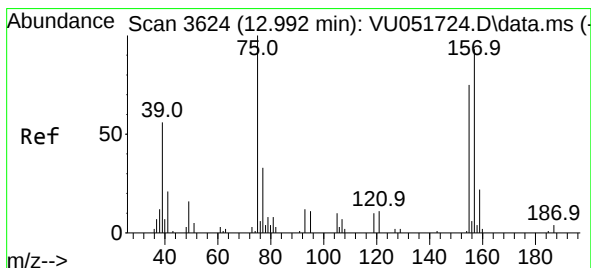
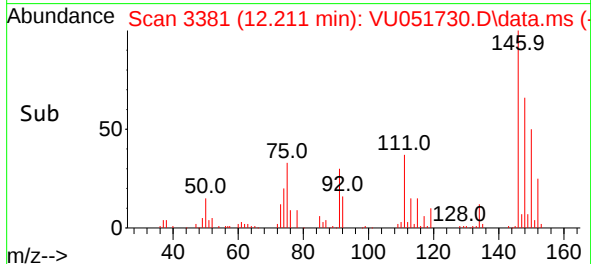
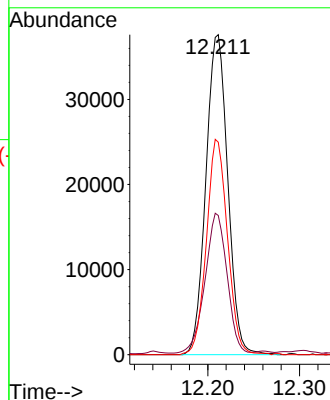
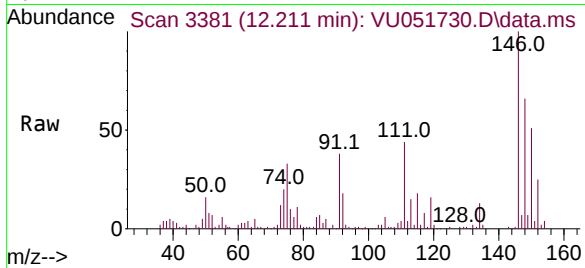
Tgt Ion:146 Resp: 62270

Ion Ratio Lower Upper

146 100

111 43.5 34.2 51.2

148 66.4 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.397 ug/L

RT: 12.973 min Scan# 3618

Delta R.T. -0.019 min

Lab File: VU051730.D

Acq: 03 Nov 2022 13:45

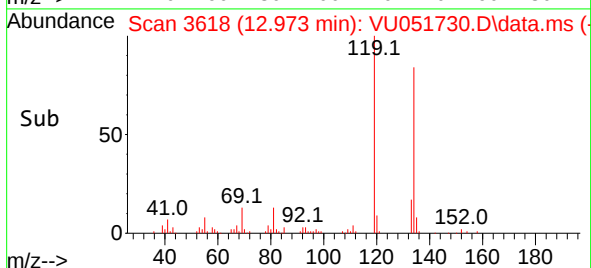
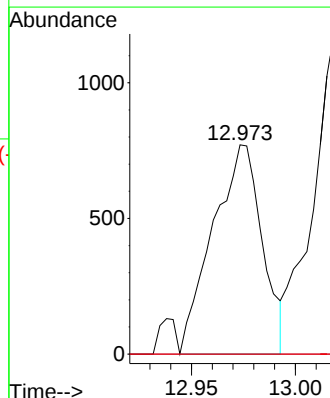
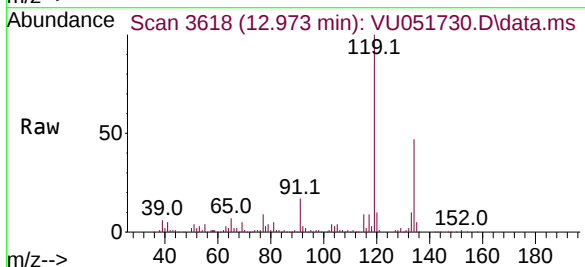
Tgt Ion: 75 Resp: 1273

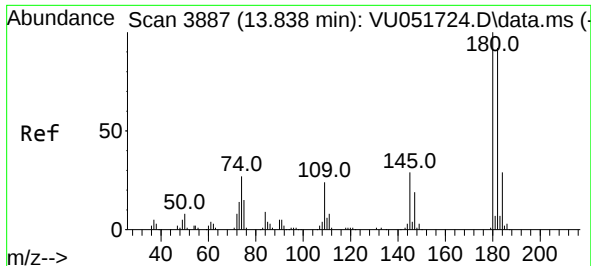
Ion Ratio Lower Upper

75 100

155 0.0 61.4 92.2#

157 0.0 86.7 130.1#

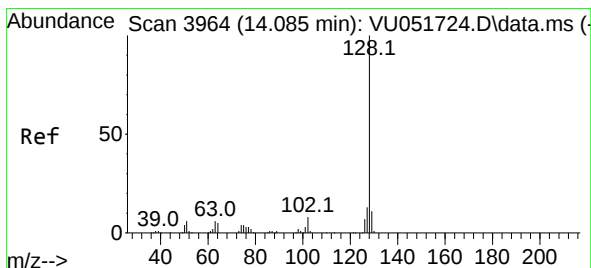
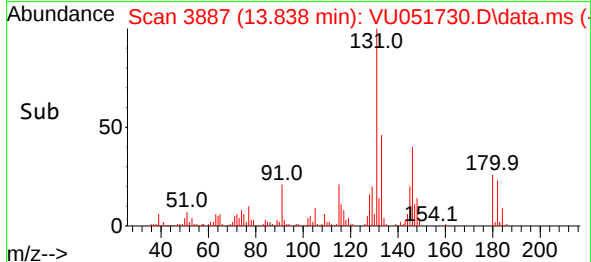
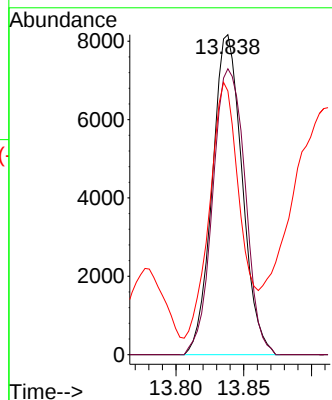
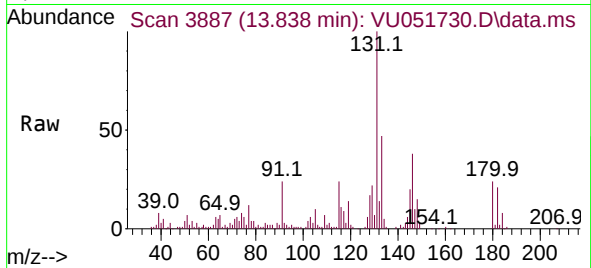




#70
1,2,4-trichlorobenzene
Concen: 0.522 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.000 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

Instrument :
MSVOA_U
ClientSampleId :
DBWM6DL

Tgt Ion:180 Resp: 12525
Ion Ratio Lower Upper
180 100
182 96.6 77.8 116.6
145 80.6 25.0 37.6#



#71
Naphthalene
Concen: 14.955 ug/L
RT: 14.083 min Scan# 3963
Delta R.T. -0.003 min
Lab File: VU051730.D
Acq: 03 Nov 2022 13:45

Tgt Ion:128 Resp: 669424
Ion Ratio Lower Upper
128 100
129 11.5 8.4 12.6
127 12.7 10.3 15.5

