

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030822\
 Data File : VU047388.D
 Acq On : 08 Mar 2022 13:53
 Operator : SY/MD
 Sample : N1810-22
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBDA7

Quant Time: Mar 09 03:03:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 09 02:01:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	201461	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	193847	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	118287	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	41902	2.930	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.600%
7) Chloroethane-d5	1.919	69	43891	3.680	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.600%
11) 1,1-Dichloroethene-d2	2.571	65	21576	3.573	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.400%
20) 2-Butanone-d5	4.639	46	184111	39.221	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.440%
24) Chloroform-d	5.066	84	107559	4.071	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
26) 1,2-Dichloroethane-d4	5.706	65	60426	4.075	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
32) Benzene-d6	5.732	84	207441	3.800	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.000%
36) 1,2-Dichloropropane-d6	6.693	67	70614	4.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.899	98	184897	3.587	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.800%
43) trans-1,3-Dichloroprop...	8.182	79	30413	4.070	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.400%
46) 2-Hexanone-d5	8.635	63	205592	48.345	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	79202	4.572	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	96026	4.143	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.800%
Target Compounds						
					Qvalue	
8) Chloroethane	1.999	64	3840	0.497	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	401	0.041	ug/L #	1
13) Acetone	2.604	43	738444	389.709	ug/L	48
15) Methyl Acetate	2.970	43	59054	13.602	ug/L #	52
16) Methylene chloride	2.989	84	43423	3.777	ug/L #	2
17) Methyl tert-butyl Ether	3.369	73	9703	0.367	ug/L #	1
19) 1,1-Dichloroethane	3.915	63	4183	0.234	ug/L #	1
21) 2-Butanone	4.719	43	11382	3.160	ug/L	90
25) Chloroform	5.131	83	31760	1.626	ug/L #	54
27) 1,2-Dichloroethane	5.777	62	17385	1.321	ug/L #	41
30) Cyclohexane	5.394	56	1168172	73.340	ug/L #	95
33) Benzene	5.777	78	2157218	49.313	ug/L	100
34) Trichloroethene	6.578	95	13654	1.187	ug/L #	17
35) Methylcyclohexane	6.764	83	208475	11.824	ug/L #	87
37) 1,2-Dichloropropane	6.764	63	2874	0.265	ug/L	100
38) Bromodichloromethane	7.131	83	1090	0.077	ug/L #	25
39) cis-1,3-Dichloropropene	7.565	75	1704	0.099	ug/L #	1
42) Toluene	7.973	91	8291806	174.870	ug/L	99
44) trans-1,3-Dichloropropene	7.973	75	54571	3.575	ug/L #	1

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

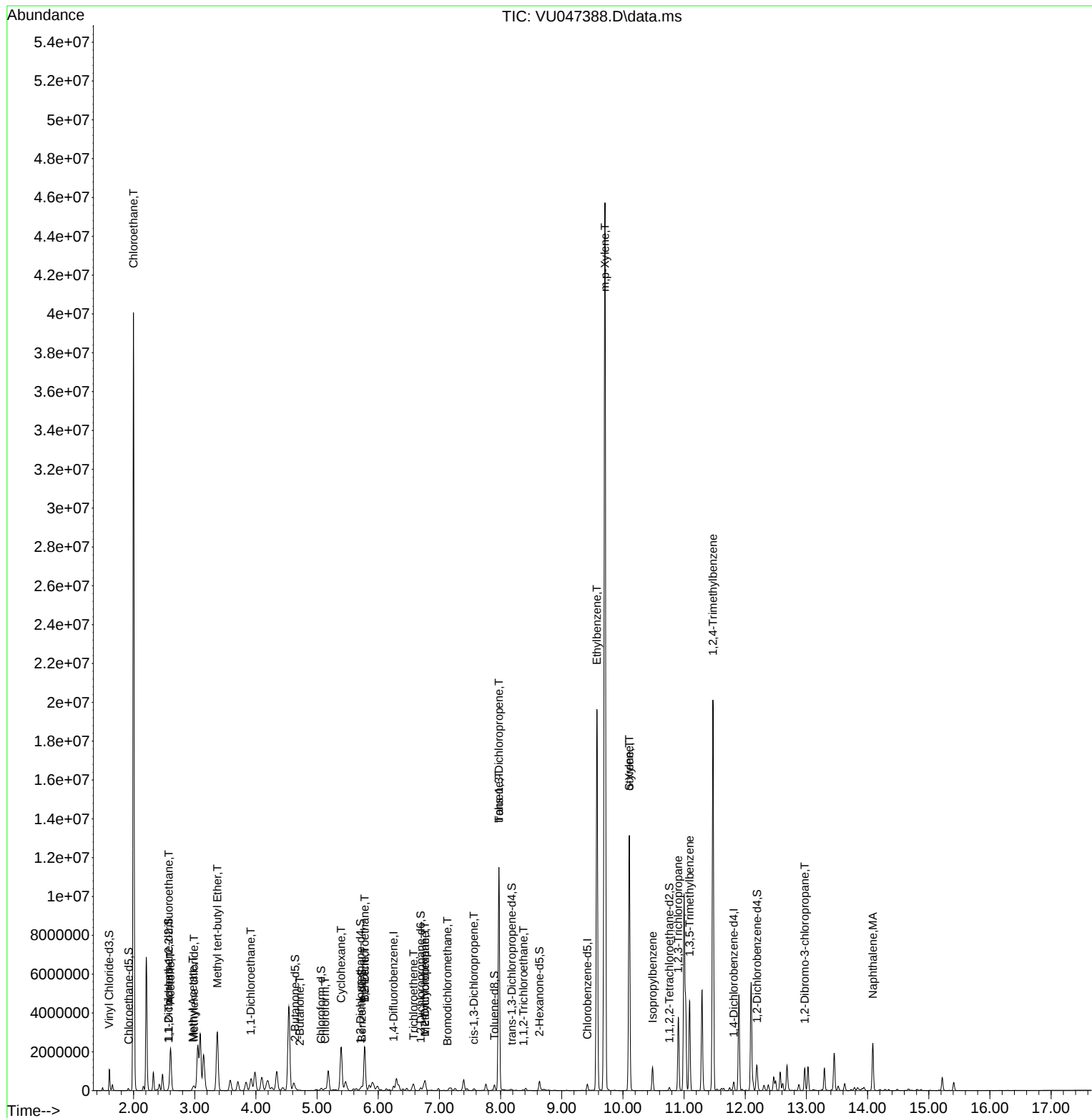
45) 1,1,2-Trichloroethane	8.372	97	11349	1.210	ug/L #	19
52) Ethylbenzene	9.574	91	13717817	270.431	ug/L	94
53) m,p-Xylene	9.706	106	14602302	724.392	ug/L #	37
54) o-Xylene	10.105	106	3568671	183.588	ug/L	100
55) Styrene	10.105	104	191422	5.808	ug/L #	1
60) Isopropylbenzene	10.484	105	789385	14.875	ug/L #	84
61) 1,2,3-Trichloropropane	10.905	75	16391	1.669	ug/L #	42
62) 1,3,5-Trimethylbenzene	11.089	105	2467483	69.670	ug/L	97
63) 1,2,4-Trimethylbenzene	11.471	105	10898954	236.245	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.973	75	4374	1.949	ug/L #	7
71) Naphthalene	14.085	128	1941797	45.274	ug/L	99

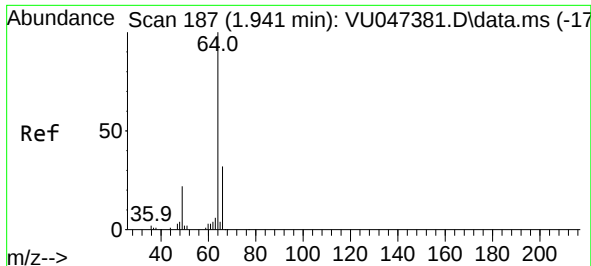
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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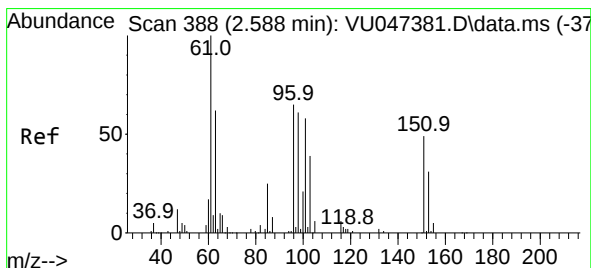
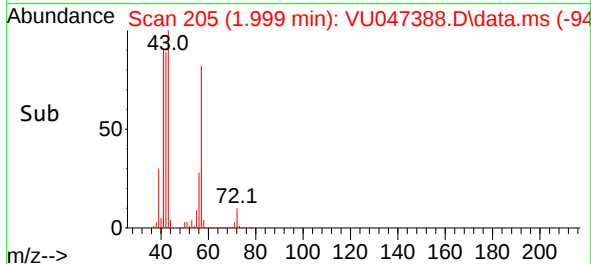
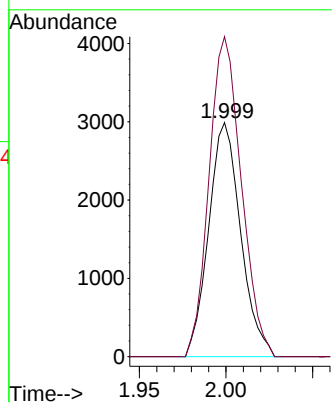
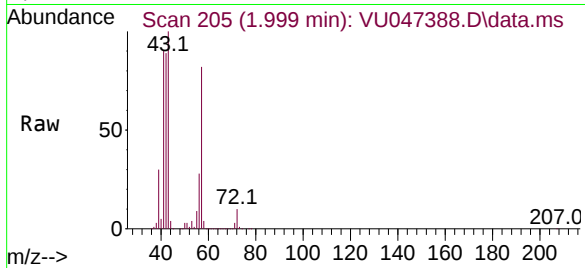




#8
Chloroethane
Concen: 0.497 ug/L
RT: 1.999 min Scan# 205
Delta R.T. 0.058 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

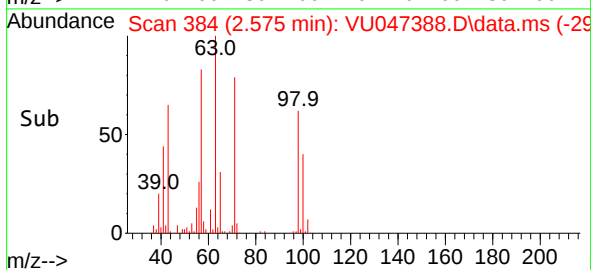
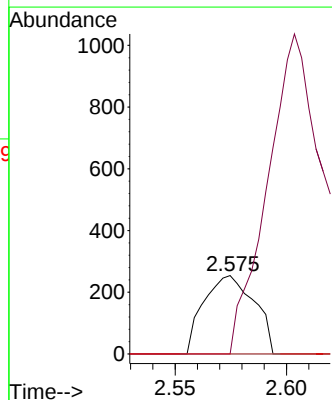
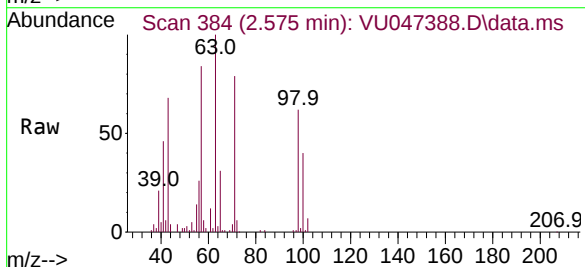
Instrument :
MSVOA_U
ClientSampleId :
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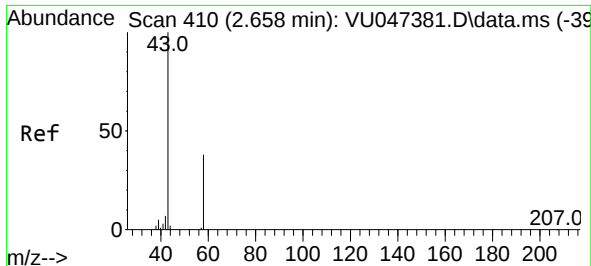
Tgt Ion: 64 Resp: 3840
Ion Ratio Lower Upper
64 100
66 136.7 22.1 41.1#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.041 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

Tgt Ion:101 Resp: 401
Ion Ratio Lower Upper
101 100
85 447.1 34.6 51.8#
151 0.0 56.1 84.1#

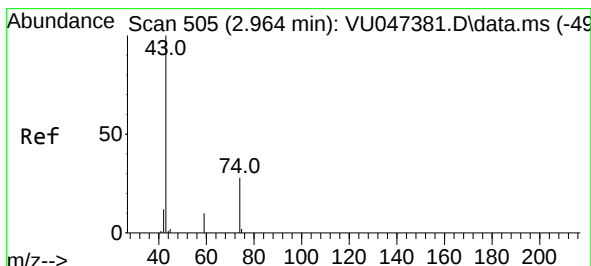
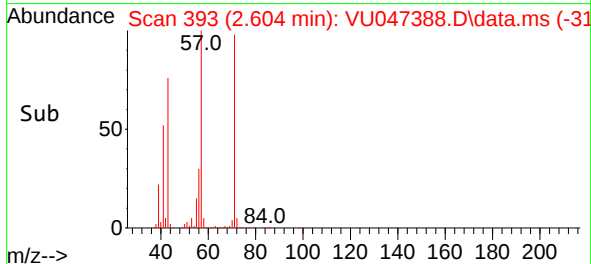
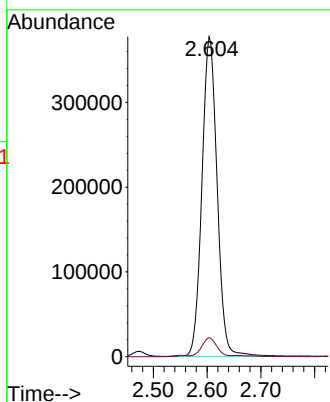
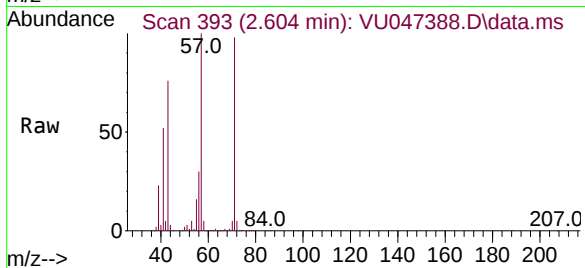




#13
Acetone
Concen: 389.709 ug/L
RT: 2.604 min Scan# 391
Delta R.T. -0.055 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

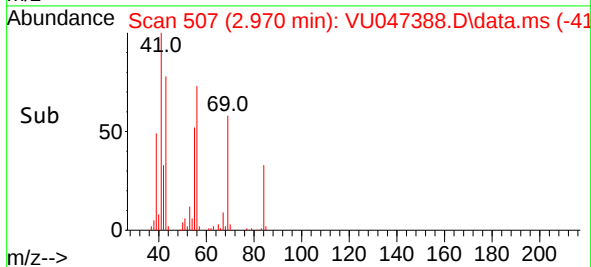
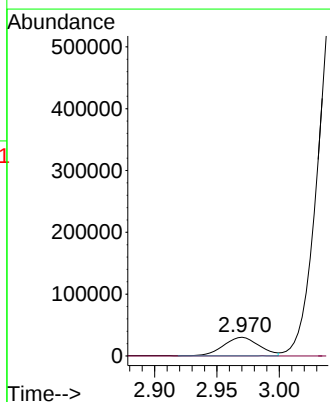
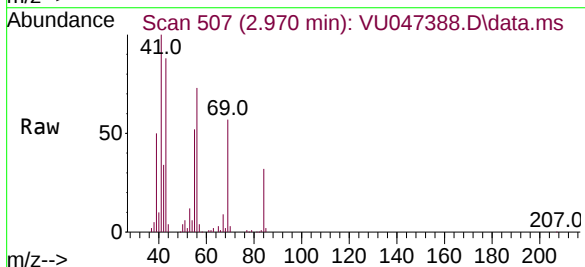
Instrument :
MSVOA_U
ClientSampleId :
GBDA7

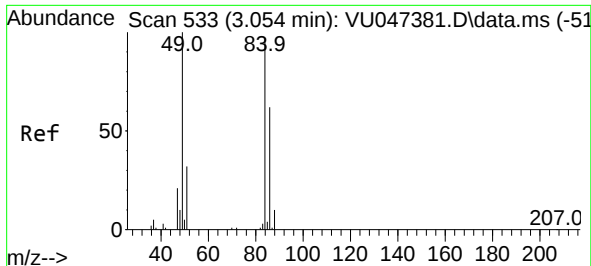
Tgt Ion: 43 Resp: 738444
Ion Ratio Lower Upper
43 100
58 5.5 0.0 71.6



#15
Methyl Acetate
Concen: 13.602 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.006 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

Tgt Ion: 43 Resp: 59054
Ion Ratio Lower Upper
43 100
74 0.3 19.1 28.7#

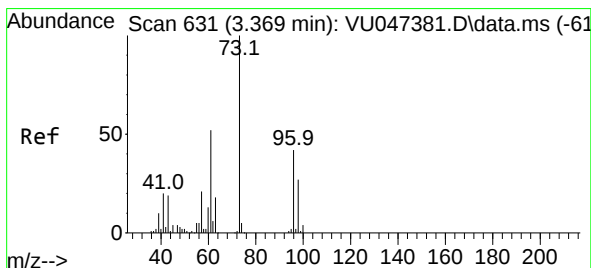
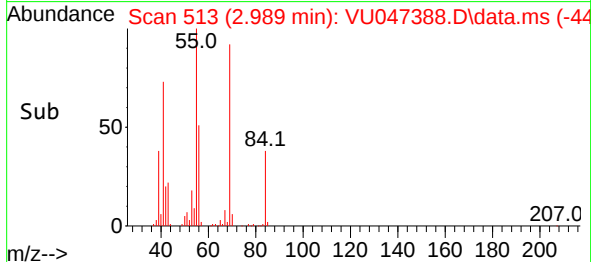
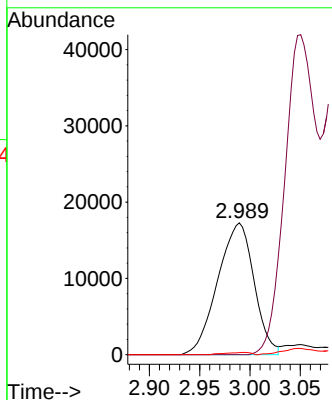
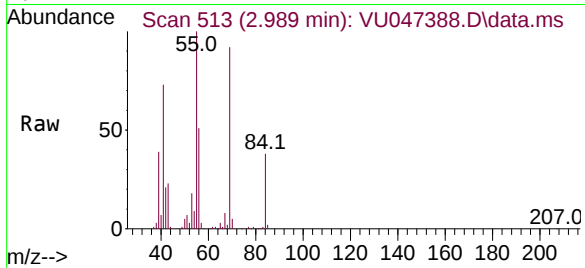




#16
Methylene chloride
Concen: 3.777 ug/L
RT: 2.989 min Scan# 51
Delta R.T. -0.064 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

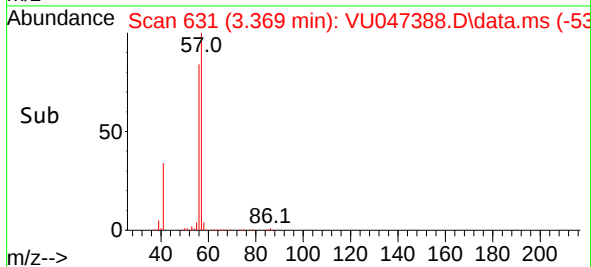
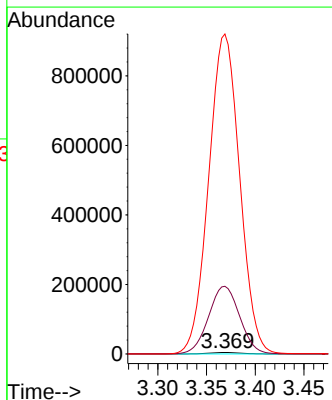
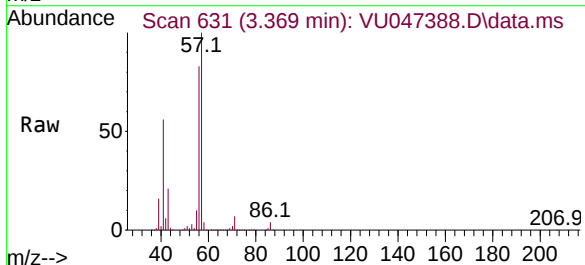
Instrument :
MSVOA_U
ClientSampleId :
GBDA7

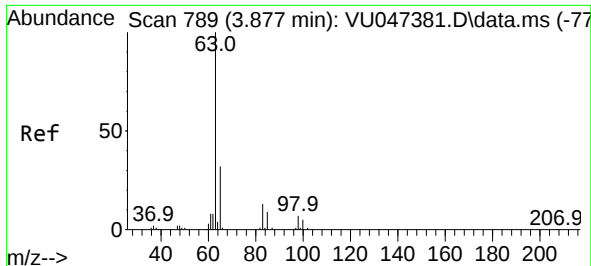
Tgt Ion: 84 Resp: 43423
Ion Ratio Lower Upper
84 100
86 0.0 45.8 85.0#
49 1.6 84.5 156.9#



#17
Methyl tert-butyl Ether
Concen: 0.367 ug/L
RT: 3.369 min Scan# 631
Delta R.T. -0.000 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

Tgt Ion: 73 Resp: 9703
Ion Ratio Lower Upper
73 100
43 4438.2 14.8 22.2#
57 21007.5 17.4 26.0#





#19

1,1-Dichloroethane

Concen: 0.234 ug/L

RT: 3.915 min Scan# 801

Delta R.T. 0.039 min

Lab File: VU047388.D

Acq: 08 Mar 2022 13:53

Instrument :

MSVOA_U

ClientSampleId :

GBDA7

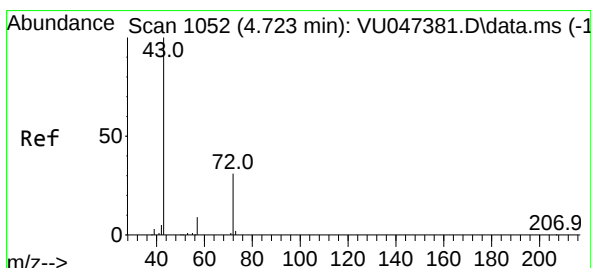
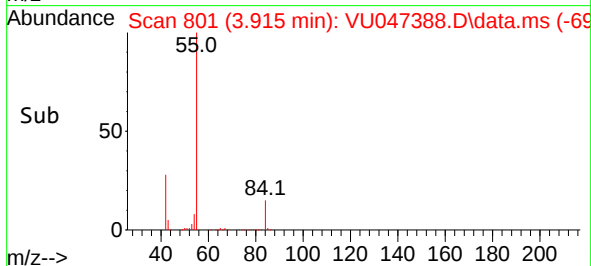
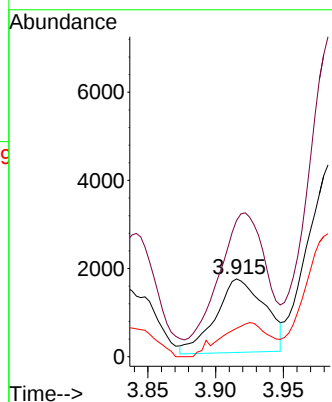
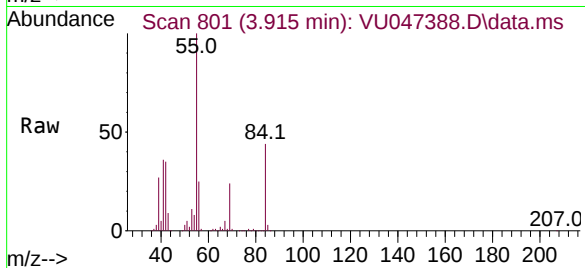
Tgt Ion: 63 Resp: 4183

Ion Ratio Lower Upper

63 100

65 175.0 22.3 41.5#

83 36.3 9.6 17.8#



#21

2-Butanone

Concen: 3.160 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. -0.003 min

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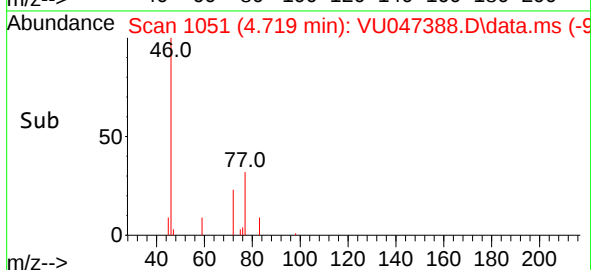
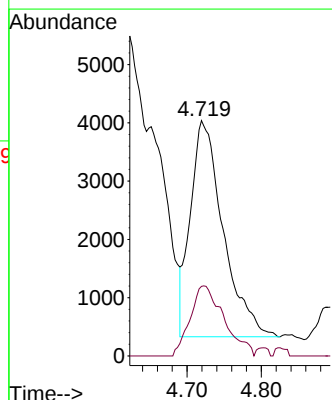
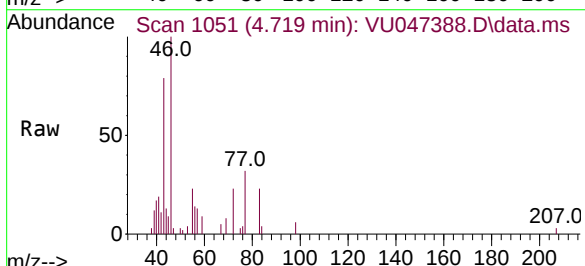
Acq: 08 Mar 2022 13:53

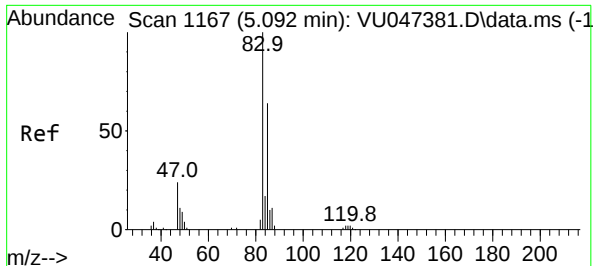
Tgt Ion: 43 Resp: 11382

Ion Ratio Lower Upper

43 100

72 33.5 14.1 42.3





#25

Chloroform

Concen: 1.626 ug/L

RT: 5.131 min Scan# 1167

Delta R.T. 0.039 min

Lab File: VU047388.D

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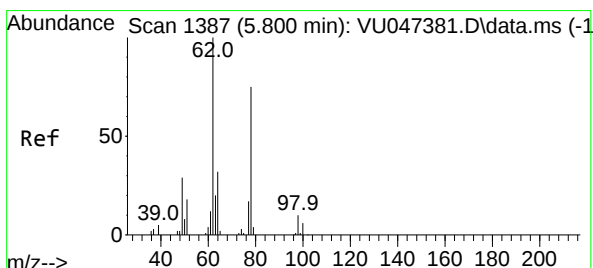
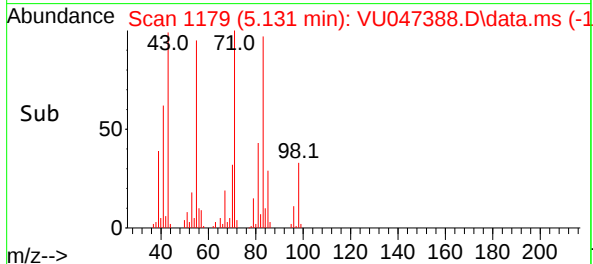
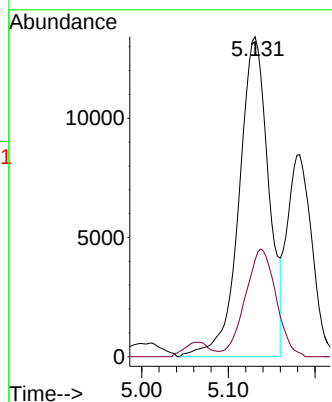
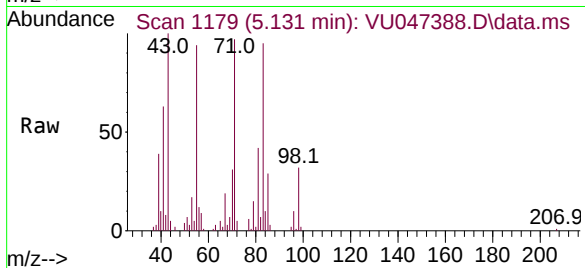
GBDA7

Tgt Ion: 83 Resp: 31760

Ion Ratio Lower Upper

83 100

85 30.2 46.9 87.1#



#27

1,2-Dichloroethane

Concen: 1.321 ug/L

RT: 5.777 min Scan# 1380

Delta R.T. -0.023 min

Lab File: VU047388.D

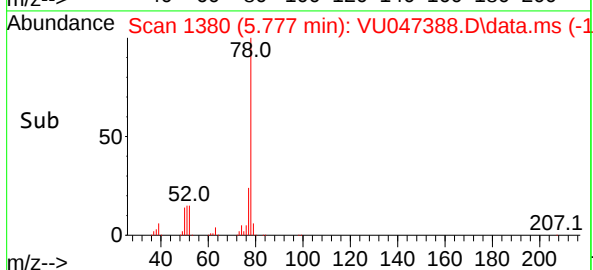
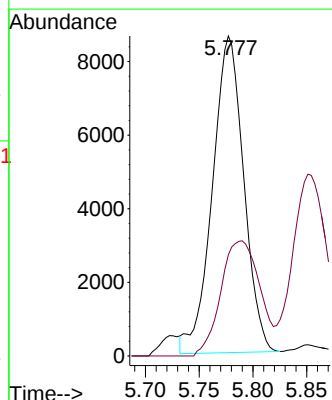
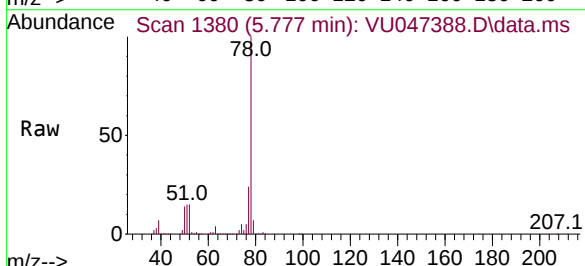
Acq: 08 Mar 2022 13:53

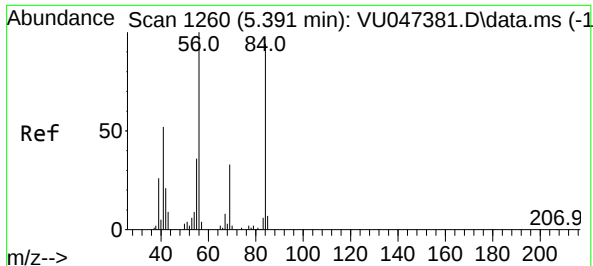
Tgt Ion: 62 Resp: 17385

Ion Ratio Lower Upper

62 100

98 31.6 7.8 11.8#





#30

Cyclohexane

Concen: 73.340 ug/L

RT: 5.394 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU047388.D

Acq: 08 Mar 2022 13:53

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GBDA7

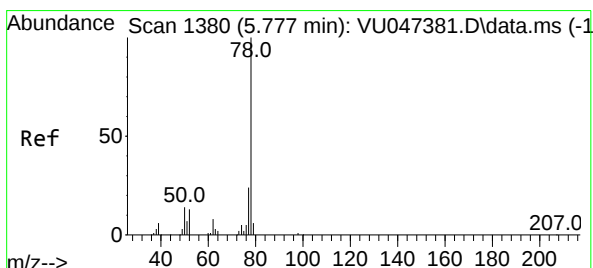
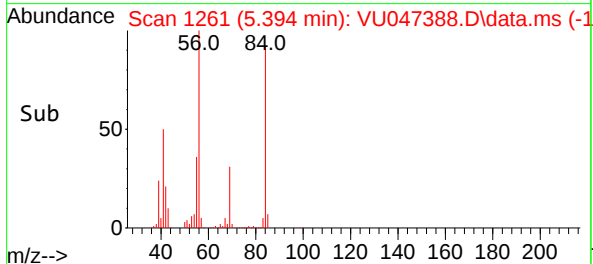
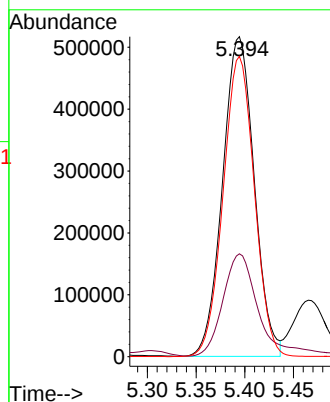
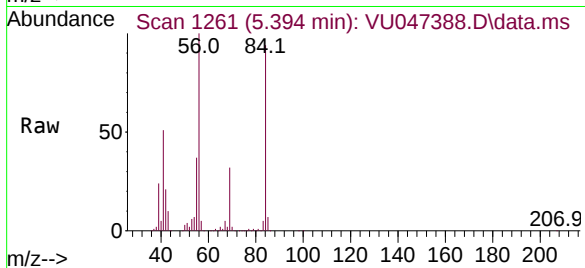
Tgt Ion: 56 Resp: 1168172

Ion Ratio Lower Upper

56 100

69 37.2 24.7 37.1#

84 92.7 71.8 107.6



#33

Benzene

Concen: 49.313 ug/L

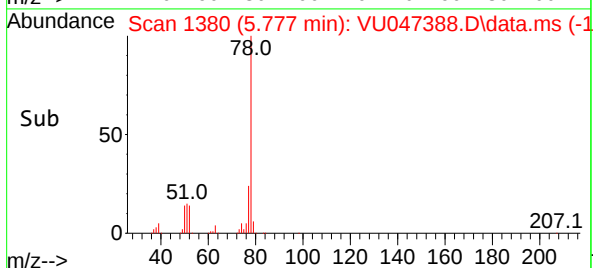
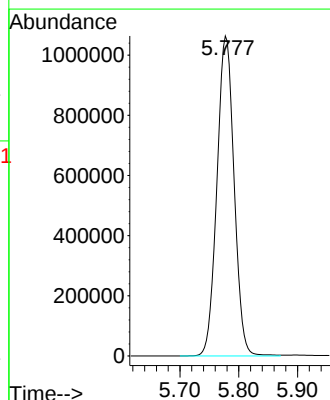
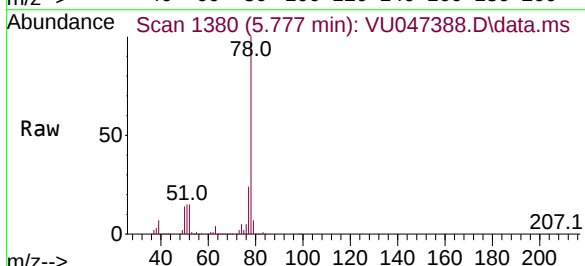
RT: 5.777 min Scan# 1380

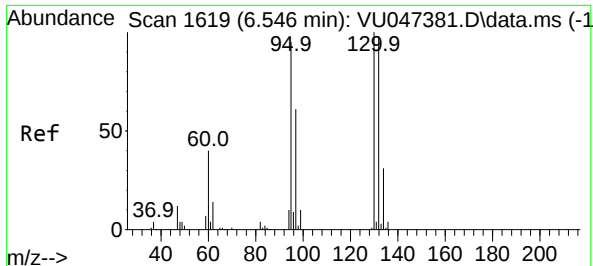
Delta R.T. -0.000 min

Lab File: VU047388.D

Acq: 08 Mar 2022 13:53

Tgt Ion: 78 Resp: 2157218

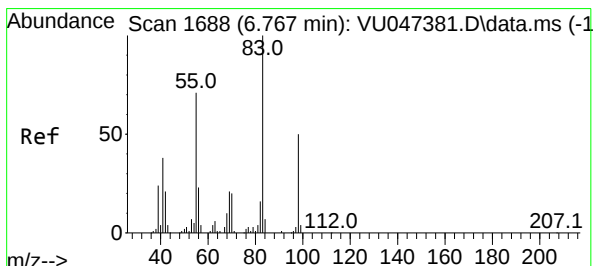
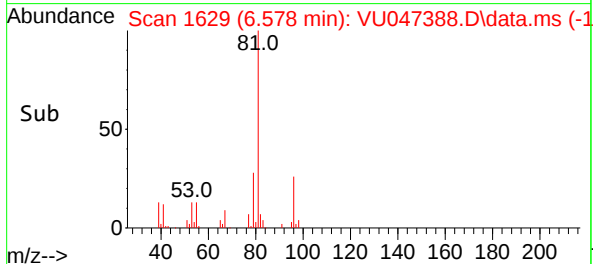
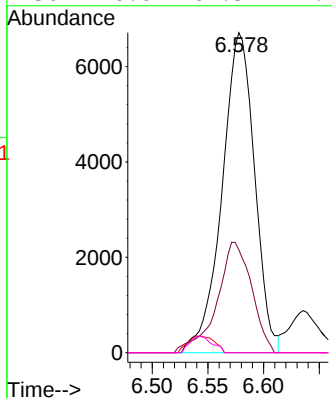
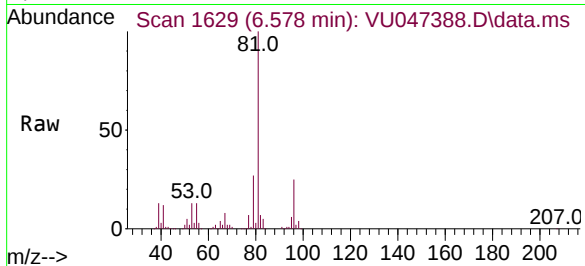




#34
Trichloroethene
Concen: 1.187 ug/L
RT: 6.578 min Scan# 1629
Delta R.T. 0.032 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

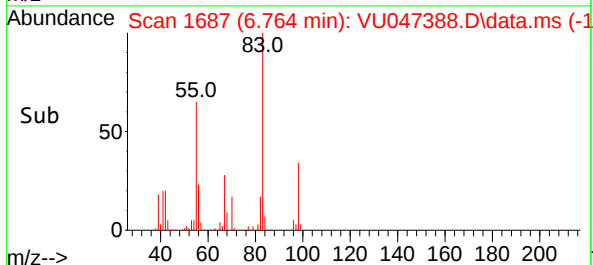
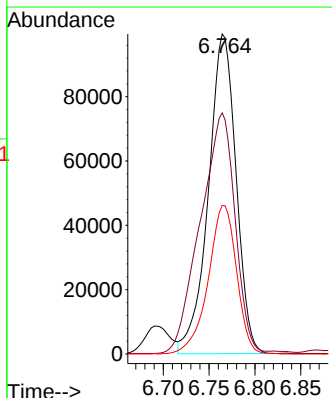
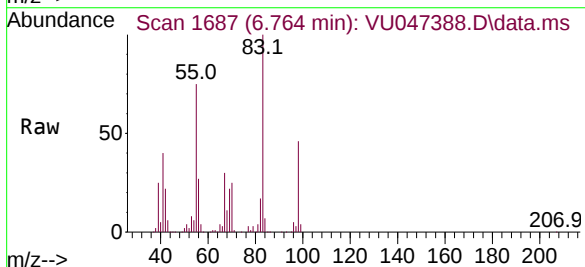
Instrument :
MSVOA_U
ClientSampleId :
GBDA7

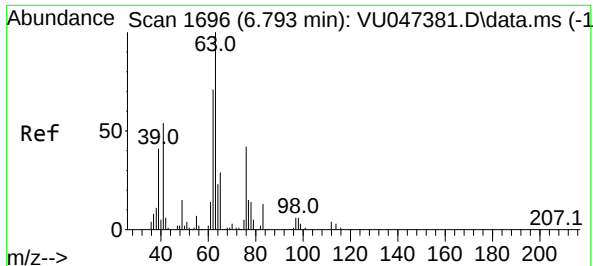
Tgt Ion:	95	Resp:	13654
Ion	Ratio	Lower	Upper
95	100		
97	32.1	46.5	86.5#
132	0.0	65.1	120.9#
130	0.0	67.3	124.9#



#35
Methylcyclohexane
Concen: 11.824 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

Tgt Ion:	83	Resp:	208475
Ion	Ratio	Lower	Upper
83	100		
55	94.3	61.9	92.9#
98	47.7	39.0	58.6

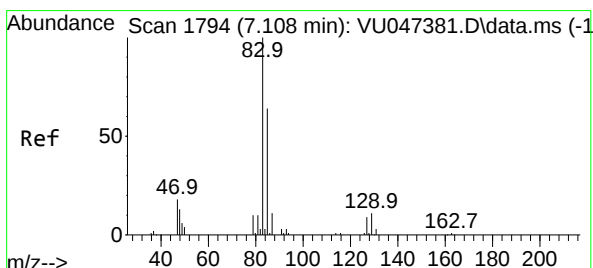
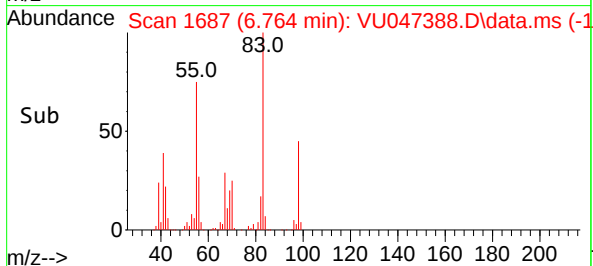
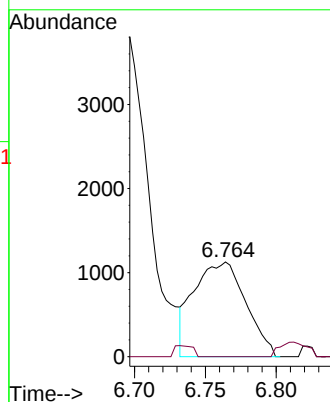
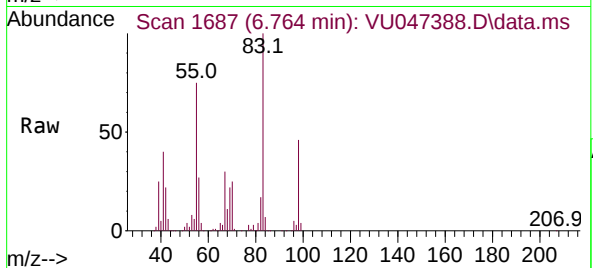




#37
1,2-Dichloropropane
Concen: 0.265 ug/L
RT: 6.764 min Scan# 1
Delta R.T. -0.029 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

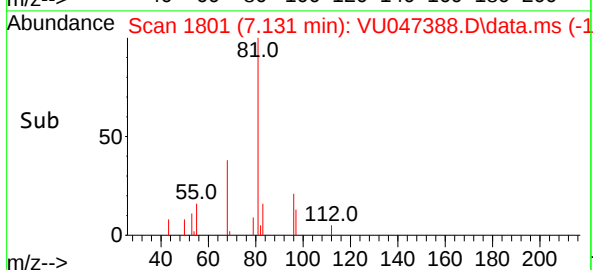
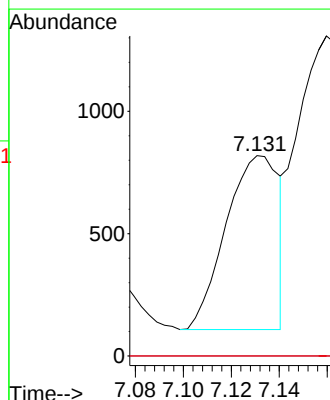
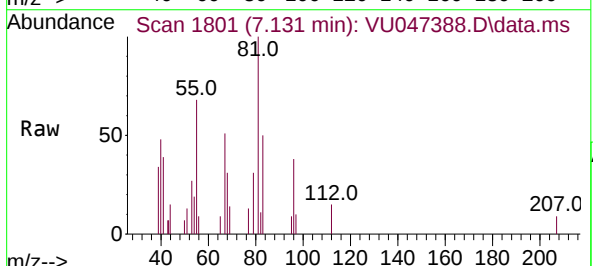
Instrument :
MSVOA_U
ClientSampleId :
GBDA7

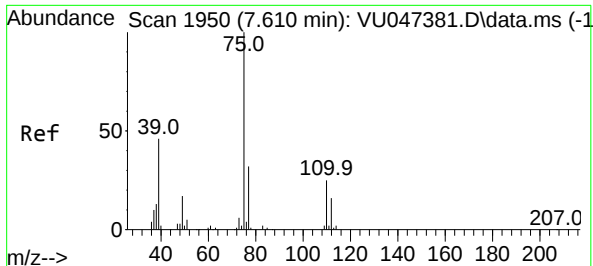
Tgt Ion: 63 Resp: 2874
Ion Ratio Lower Upper
63 100
112 4.1 3.2 4.8



#38
Bromodichloromethane
Concen: 0.077 ug/L
RT: 7.131 min Scan# 1801
Delta R.T. 0.022 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

Tgt Ion: 83 Resp: 1090
Ion Ratio Lower Upper
83 100
85 0.0 44.0 81.8#
127 0.0 6.3 9.5#





#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU047388.D

Acq: 08 Mar 2022 13:53

Instrument :

MSVOA_U

ClientSampleId :

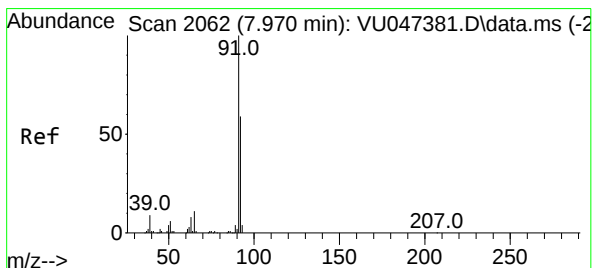
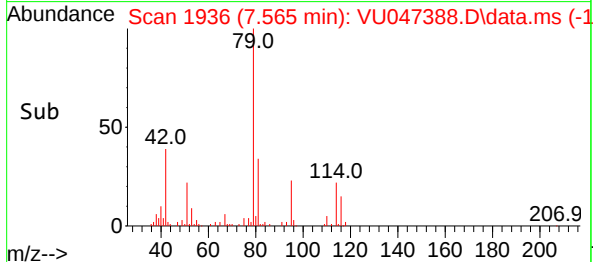
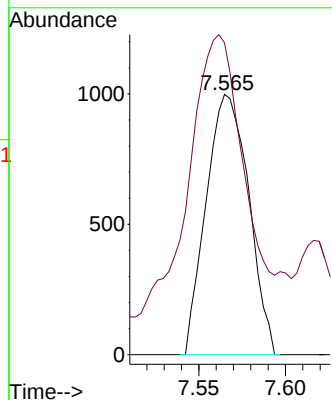
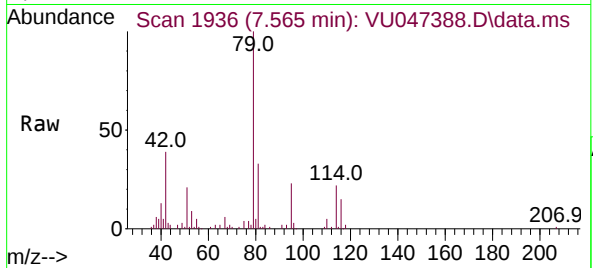
GBDA7

Tgt Ion: 75 Resp: 1704

Ion Ratio Lower Upper

75 100

77 119.8 22.5 41.9#



#42

Toluene

Concen: 174.870 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.003 min

Lab File: VU047388.D

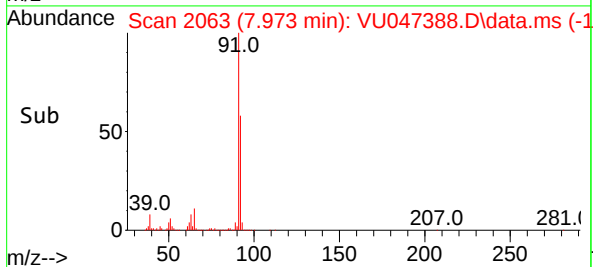
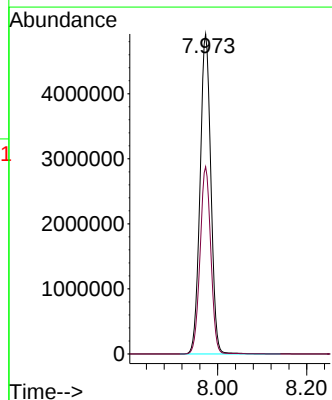
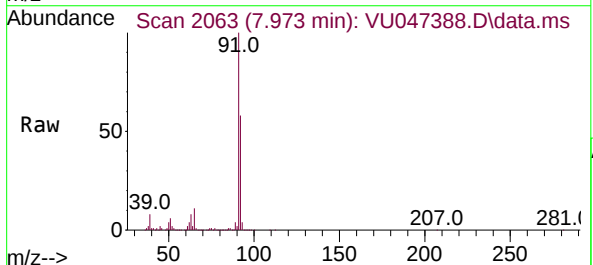
Acq: 08 Mar 2022 13:53

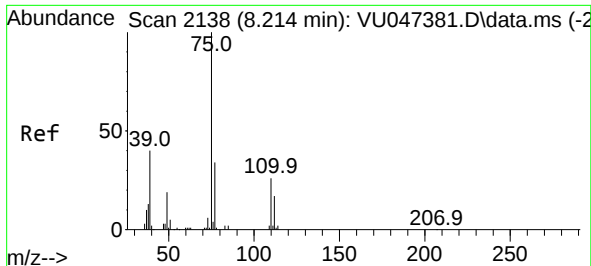
Tgt Ion: 91 Resp: 8291806

Ion Ratio Lower Upper

91 100

92 58.5 41.3 76.7

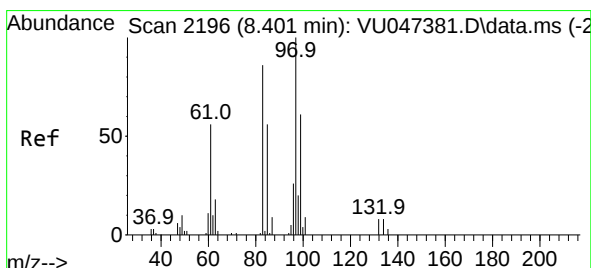
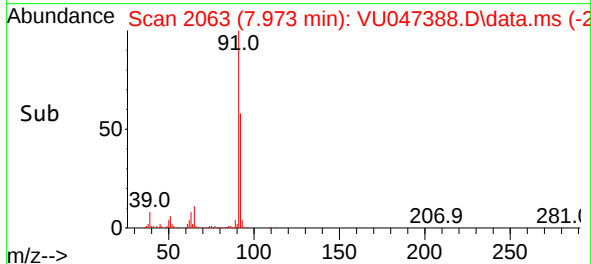
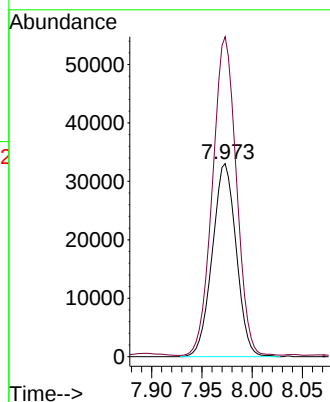
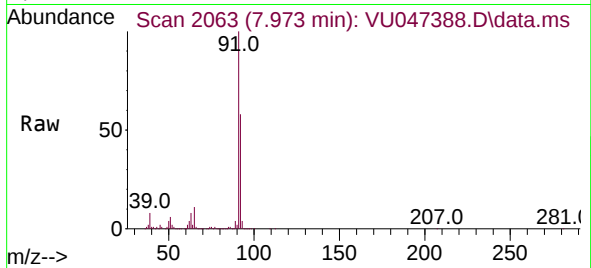




#44
trans-1,3-Dichloropropene
Concen: 3.575 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.241 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

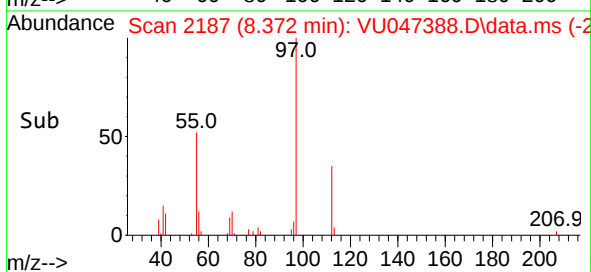
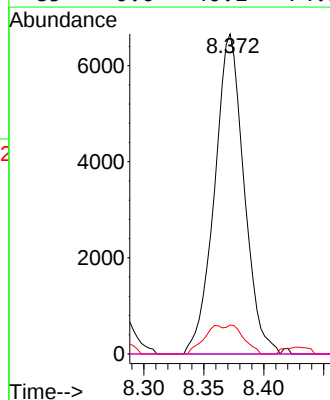
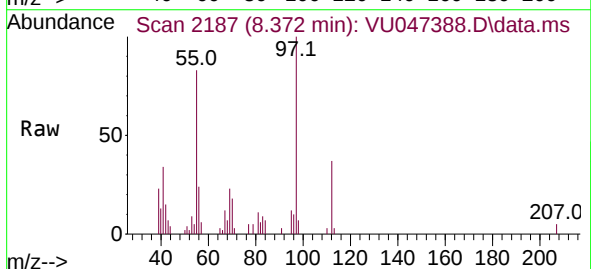
Instrument :
MSVOA_U
ClientSampleId :
GBDA7

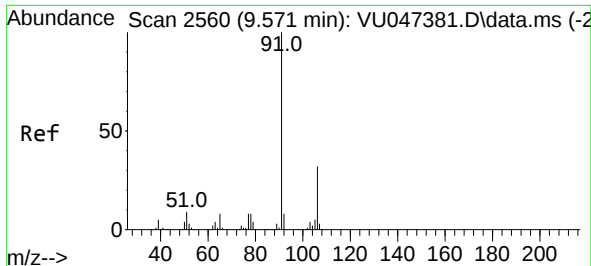
Tgt Ion: 75 Resp: 54571
Ion Ratio Lower Upper
75 100
77 165.7 22.7 42.3#



#45
1,1,2-Trichloroethane
Concen: 1.210 ug/L
RT: 8.372 min Scan# 2187
Delta R.T. -0.029 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

Tgt Ion: 97 Resp: 11349
Ion Ratio Lower Upper
97 100
99 0.0 42.3 78.5#
83 9.1 62.0 115.2#
85 0.0 40.1 74.5#

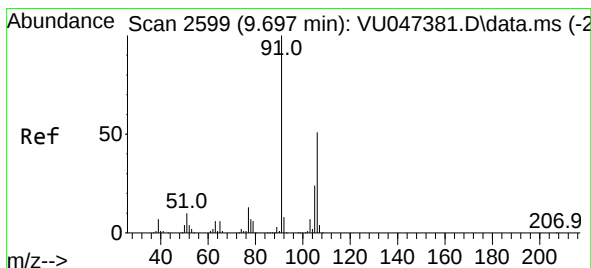
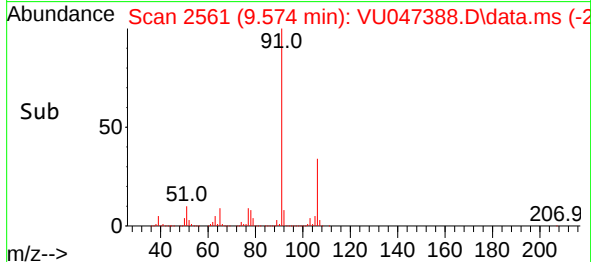
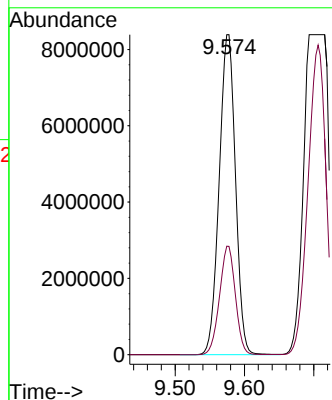
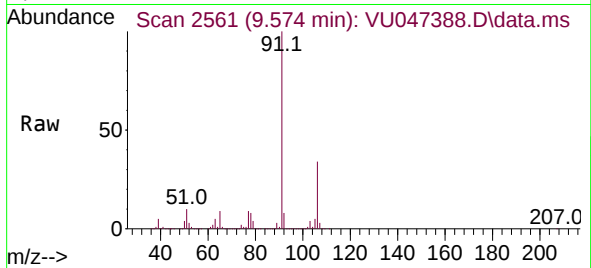




#52
Ethylbenzene
Concen: 270.431 ug/L
RT: 9.574 min Scan# 210
Delta R.T. 0.003 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

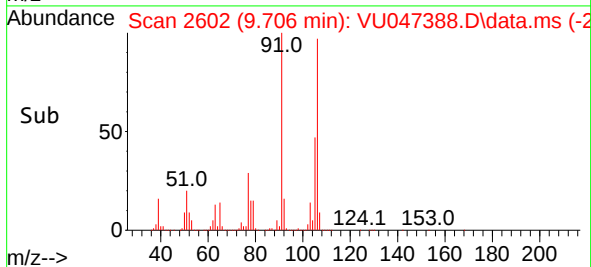
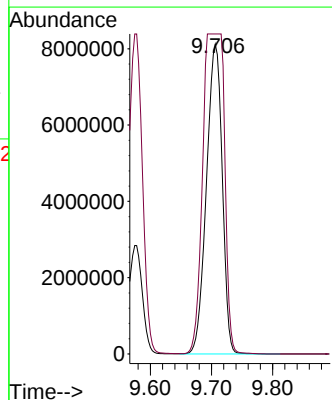
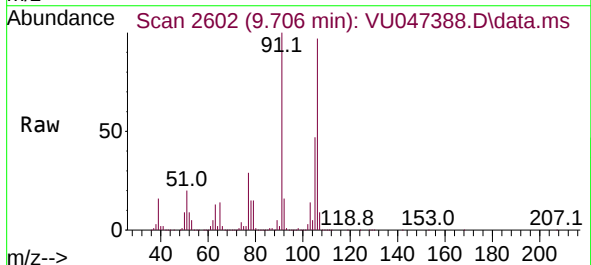
Instrument :
MSVOA_U
ClientSampleId :
GBDA7

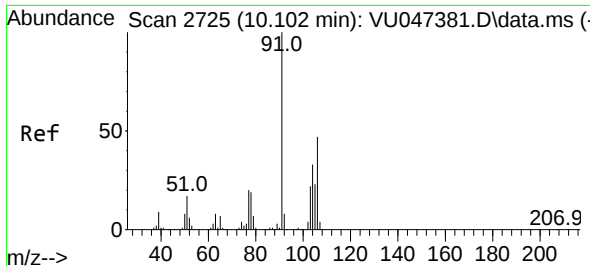
Tgt Ion: 91 Resp:13717817
Ion Ratio Lower Upper
91 100
106 33.9 21.5 39.9



#53
m,p-Xylene
Concen: 724.392 ug/L
RT: 9.706 min Scan# 2602
Delta R.T. 0.010 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

Tgt Ion:106 Resp:14602302
Ion Ratio Lower Upper
106 100
91 103.4 139.4 259.0#

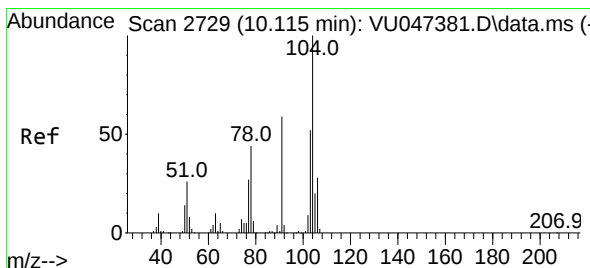
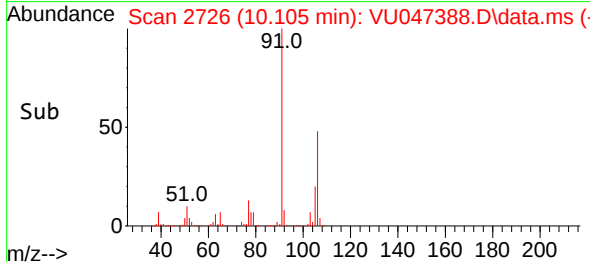
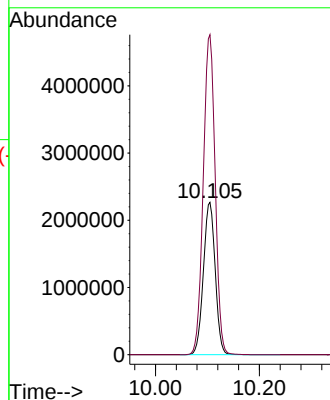
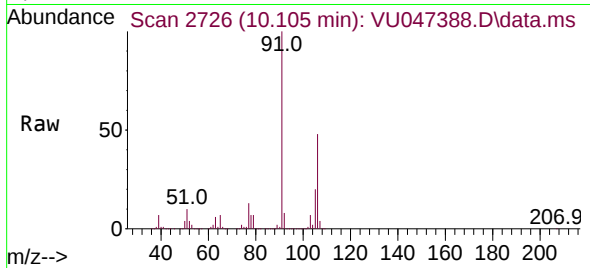




#54
o-Xylene
Concen: 183.588 ug/L
RT: 10.105 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

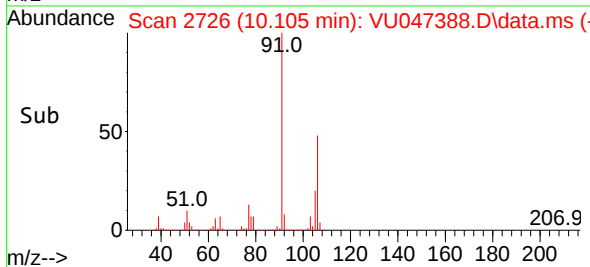
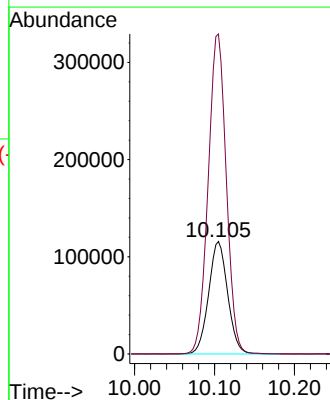
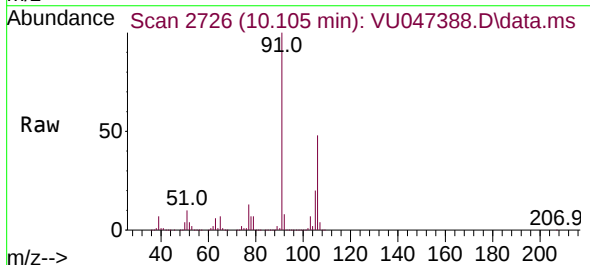
Instrument :
MSVOA_U
ClientSampleId :
GBDA7

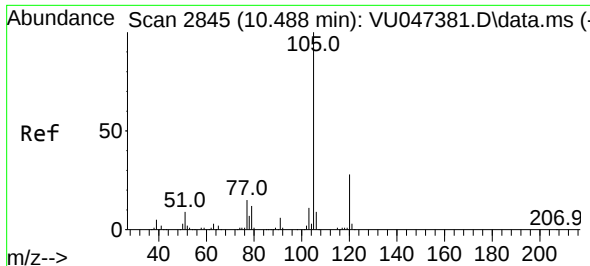
Tgt Ion:106 Resp: 3568671
Ion Ratio Lower Upper
106 100
91 210.1 147.5 273.9



#55
Styrene
Concen: 5.808 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.010 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

Tgt Ion:104 Resp: 191422
Ion Ratio Lower Upper
104 100
78 284.4 33.0 61.4#

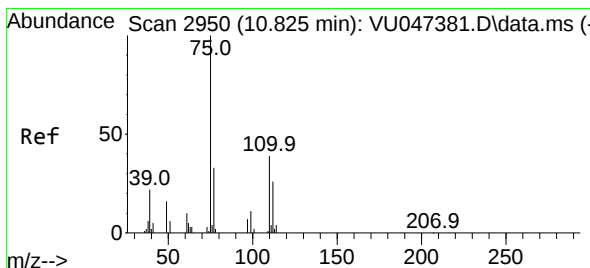
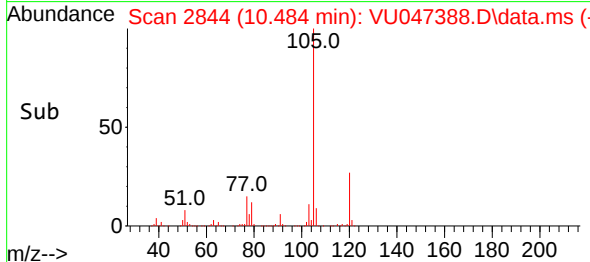
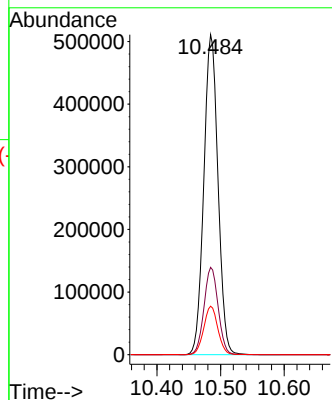
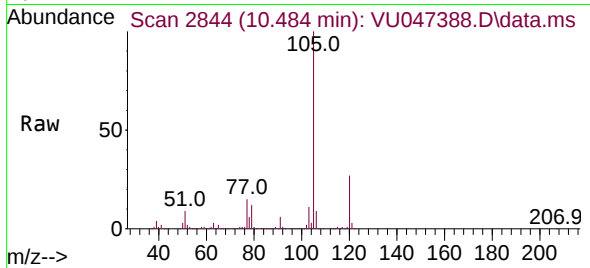




#60
Isopropylbenzene
Concen: 14.875 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

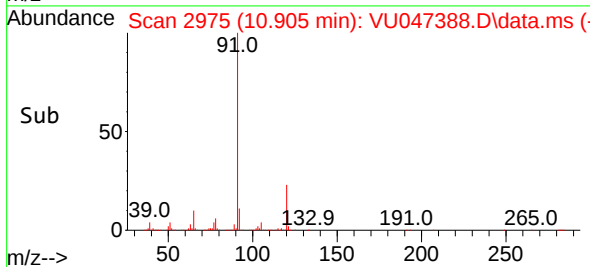
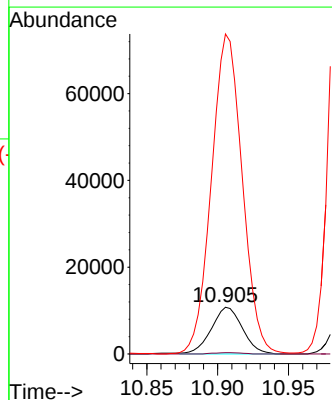
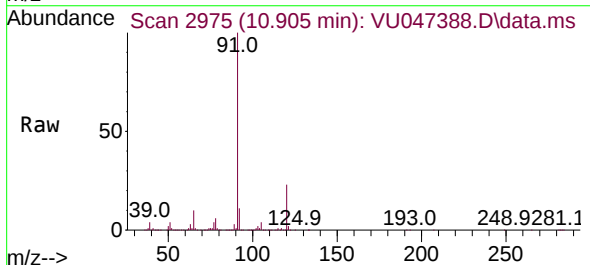
Instrument :
MSVOA_U
ClientSampleId :
GBDA7

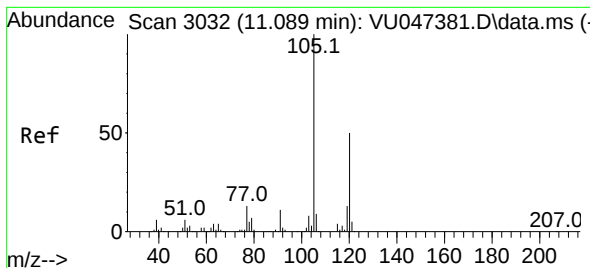
Tgt Ion:105 Resp: 789385
Ion Ratio Lower Upper
105 100
120 27.3 20.7 31.1
77 0.0 12.6 19.0#



#61
1,2,3-Trichloropropane
Concen: 1.669 ug/L
RT: 10.905 min Scan# 2975
Delta R.T. 0.080 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

Tgt Ion: 75 Resp: 16391
Ion Ratio Lower Upper
75 100
110 2.5 29.9 44.9#
77 0.0 25.5 38.3#





#62

1,3,5-Trimethylbenzene

Concen: 69.670 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047388.D

Acq: 08 Mar 2022 13:53

Instrument :

MSVOA_U

ClientSampleId :

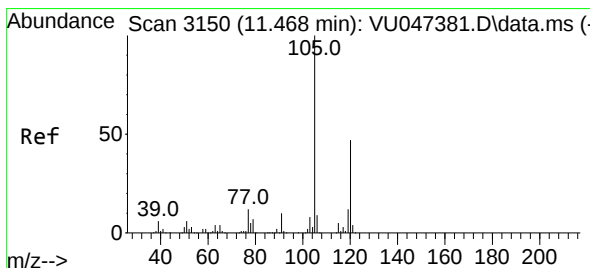
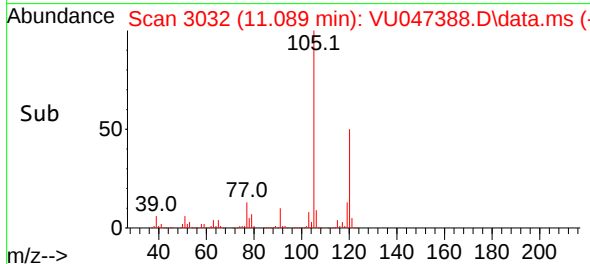
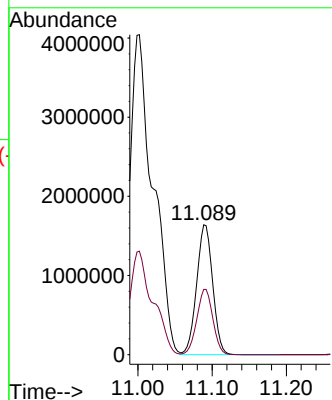
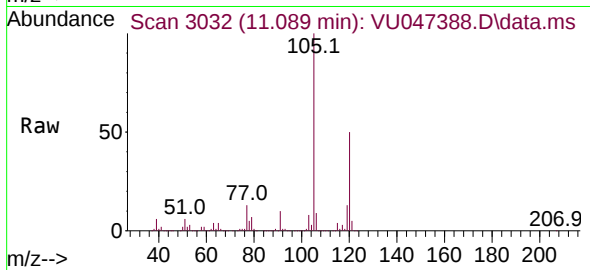
GBDA7

Tgt Ion:105 Resp: 2467483

Ion Ratio Lower Upper

105 100

120 50.2 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 236.245 ug/L

RT: 11.471 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU047388.D

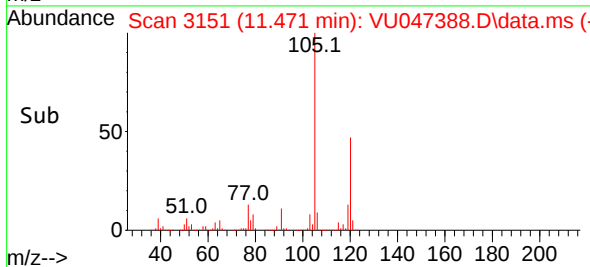
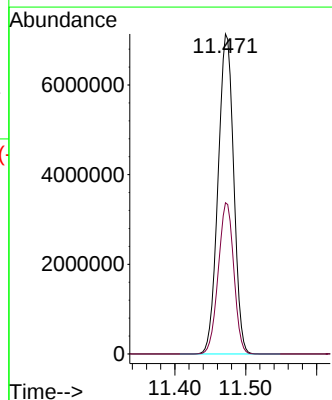
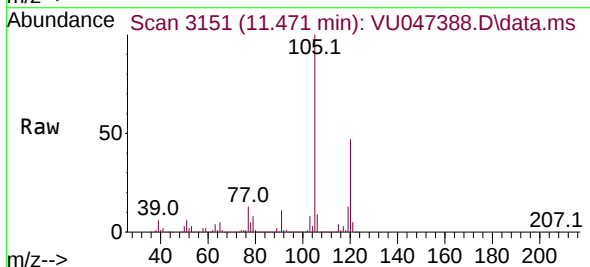
Acq: 08 Mar 2022 13:53

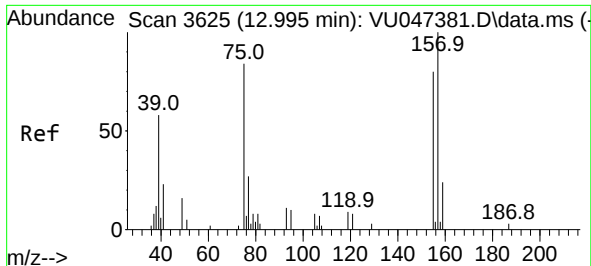
Tgt Ion:105 Resp:10898954

Ion Ratio Lower Upper

105 100

120 47.1 35.8 53.8

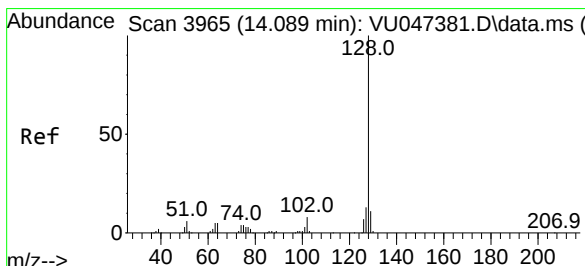
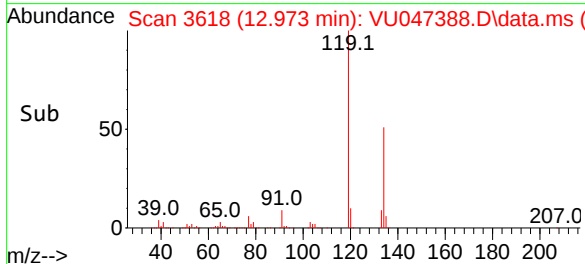
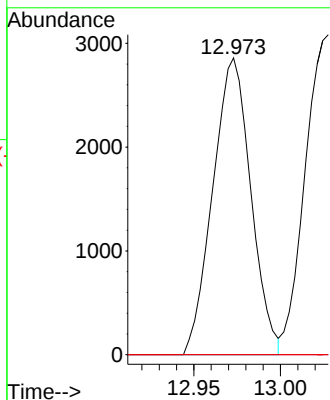
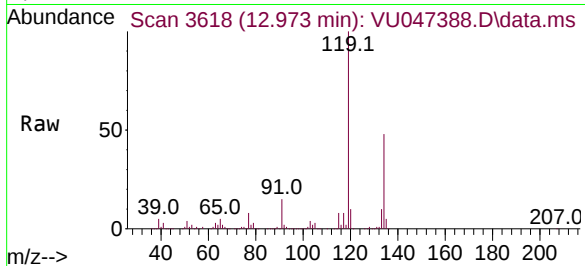




#68
1,2-Dibromo-3-chloropropane
Concen: 1.949 ug/L
RT: 12.973 min Scan# 3618
Delta R.T. -0.023 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

Instrument :
MSVOA_U
ClientSampleId :
GBDA7

Tgt Ion: 75 Resp: 4374
Ion Ratio Lower Upper
75 100
155 0.0 59.2 88.8#
157 0.0 76.5 114.7#



#71
Naphthalene
Concen: 45.274 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU047388.D
Acq: 08 Mar 2022 13:53

Tgt Ion:128 Resp: 1941797
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 13.0 10.2 15.2

