

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045107.D
 Acq On : 04 Oct 2021 19:28
 Operator : SY/MD
 Sample : M4000-07
 Misc : 5.02g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW902

Quant Time: Oct 05 02:48:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	315095	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.433	117	311261	50.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.822	152	161513	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	86778	25.158	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	50.320%#
7) Chloroethane-d5	1.877	69	32185	11.775	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	23.540%#
11) 1,1-Dichloroethene-d2	2.530	63	132298	22.839	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	45.680%#
21) 2-Butanone-d5	4.649	46	248931	91.284	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.280%
24) Chloroform-d	5.070	84	197052	36.170	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.340%
26) 1,2-Dichloroethane-d4	5.706	65	140447	38.059	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.120%
32) Benzene-d6	5.726	84	390564	36.161	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.320%
36) 1,2-Dichloropropane-d6	6.697	67	135798	38.560	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.120%
41) Toluene-d8	7.906	98	401665	43.093	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.180%
43) trans-1,3-Dichloroprop...	8.189	79	64321	41.059	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.120%
47) 2-Hexanone-d5	8.664	63	192372	98.569	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.570%
56) 1,1,2,2-Tetrachloroeth...	10.767	84	318271	58.036	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	116.080%
66) 1,2-Dichlorobenzene-d4	12.201	152	154333	43.907	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.820%
Target Compounds						
					Qvalue	
15) Methyl Acetate	2.928	43	11252	2.894	ug/L #	53
16) Methylene chloride	3.041	84	2883	0.933	ug/L #	1
29) Cyclohexane	5.375	56	778303	166.351	ug/L	90
34) Trichloroethene	6.568	95	7151	2.579	ug/L #	23
35) Methylcyclohexane	6.761	83	2684254	578.206	ug/L	95
37) 1,2-Dichloropropane	6.761	63	22781	7.248	ug/L #	1
38) Bromodichloromethane	7.073	83	34037	8.834	ug/L #	76
39) cis-1,3-Dichloropropene	7.574	75	4134	0.919	ug/L #	1
40) 4-Methyl-2-pentanone	7.761	43	19705	3.753	ug/L #	49
42) Toluene	7.976	91	52927	4.512	ug/L	100
44) trans-1,3-Dichloropropene	8.192	75	3219	0.753	ug/L #	1
45) 1,1,2-Trichloroethane	8.372	97	571015	200.458	ug/L #	19
46) Tetrachloroethene	8.562	164	1618	0.816	ug/L	95
48) 2-Hexanone	8.639	43	1898674	407.776	ug/L #	24
49) Dibromochloromethane	8.767	129	2077	0.737	ug/L #	57
50) 1,2-Dibromoethane	8.951	107	2058	0.690	ug/L #	1
51) Chlorobenzene	9.481	112	3562	0.492	ug/L #	1
52) Ethylbenzene	9.584	91	1891897	152.678	ug/L	99
53) m,p-Xylene	9.706	106	2260724	481.604	ug/L	99

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

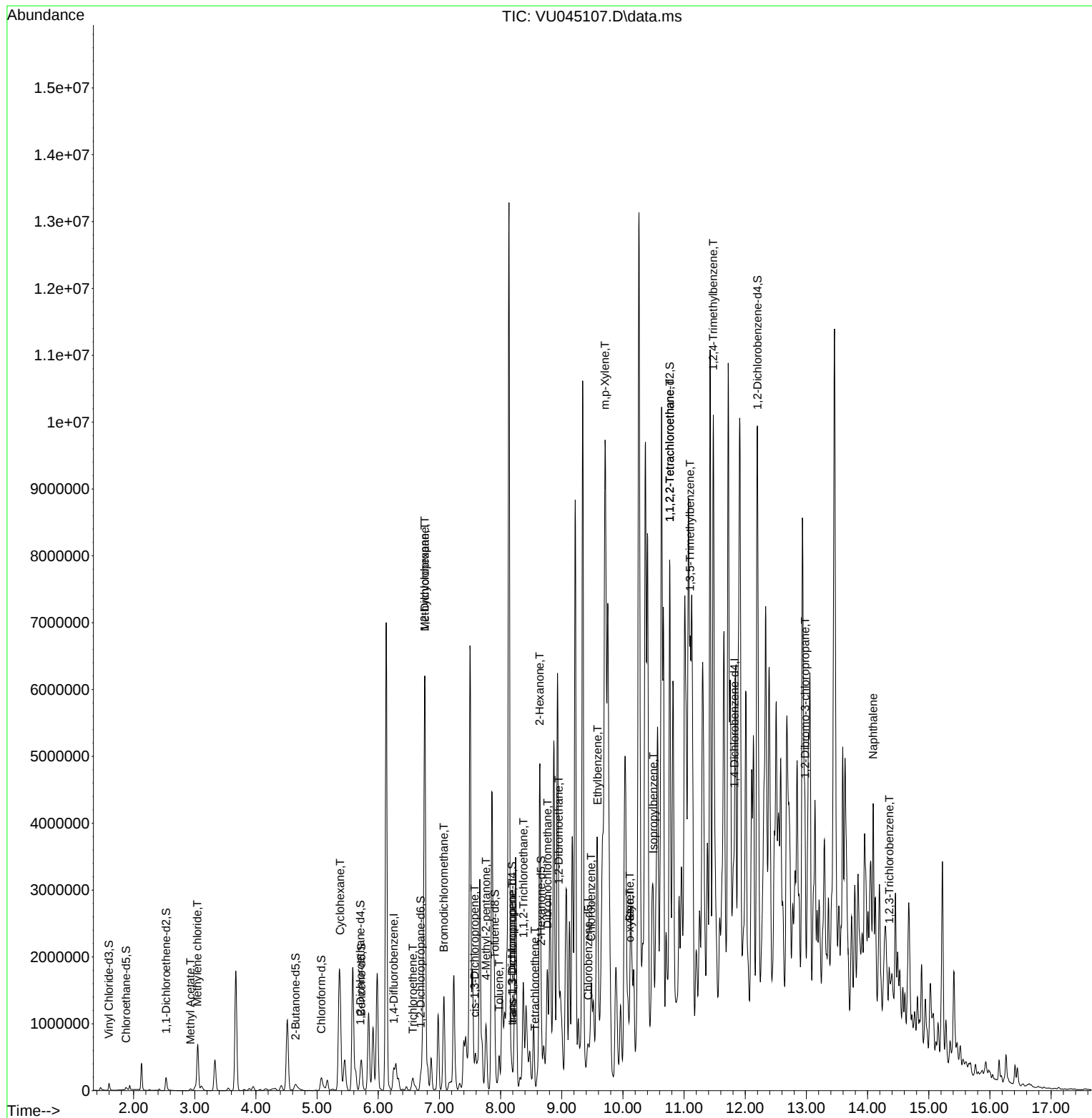
54) o-xylene	10.111	106	80915	17.542	ug/L	94
55) Styrene	10.115	104	4474	0.564	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.767	83	140796	25.814	ug/L #	71
61) Isopropylbenzene	10.497	105	749652	63.421	ug/L	98
62) 1,3,5-Trimethylbenzene	11.098	105	1867910	189.223	ug/L	99
63) 1,2,4-Trimethylbenzene	11.478	105	3886211	384.446	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.979	75	7935	6.181	ug/L #	24
71) Naphthalene	14.092	128	1951647	178.780	ug/L	98
72) 1,2,3-Trichlorobenzene	14.356	180	14006	4.345	ug/L #	1

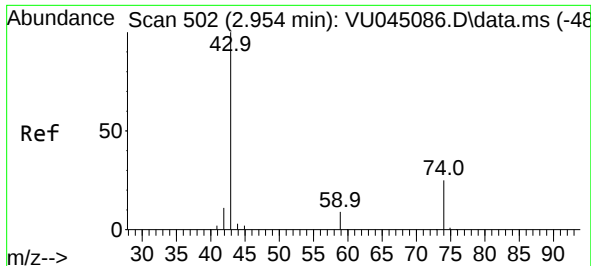
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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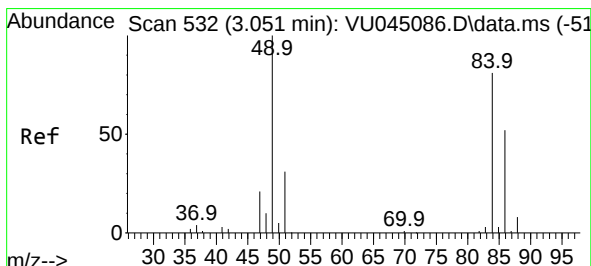
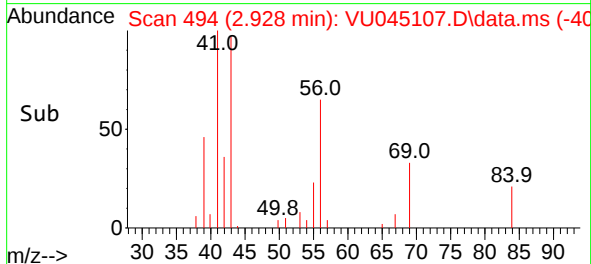
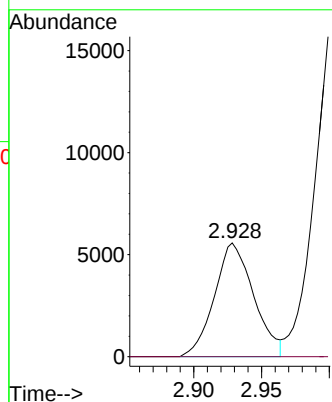
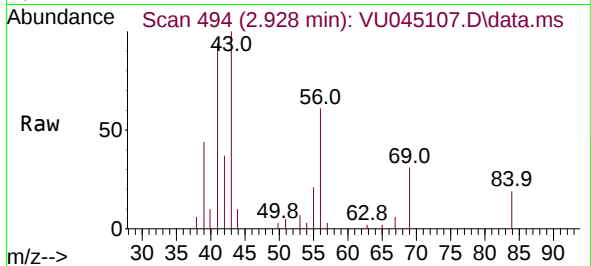




#15
Methyl Acetate
Concen: 2.894 ug/L
RT: 2.928 min Scan# 494
Delta R.T. -0.026 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

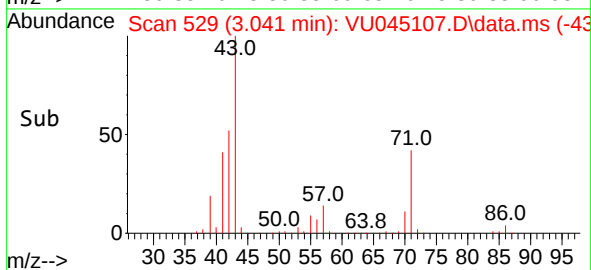
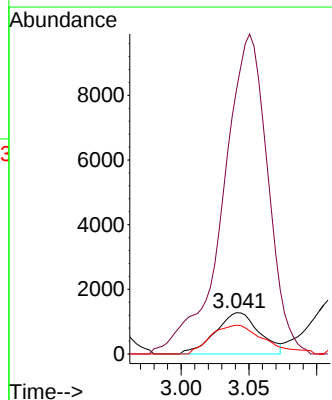
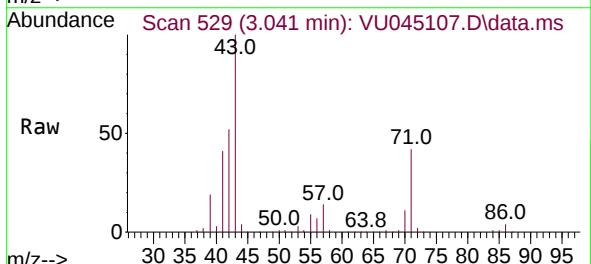
Instrument :
MSVOA_U
ClientSampled :
EW902

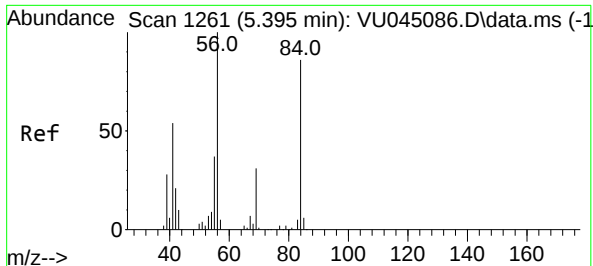
Tgt Ion: 43 Resp: 11252
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



#16
Methylene chloride
Concen: 0.933 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.010 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Tgt Ion: 84 Resp: 2883
Ion Ratio Lower Upper
84 100
86 640.9 44.7 83.1#
49 69.9 92.9 172.5#





#29

Cyclohexane

Concen: 166.351 ug/L

RT: 5.375 min Scan# 1255

Delta R.T. -0.019 min

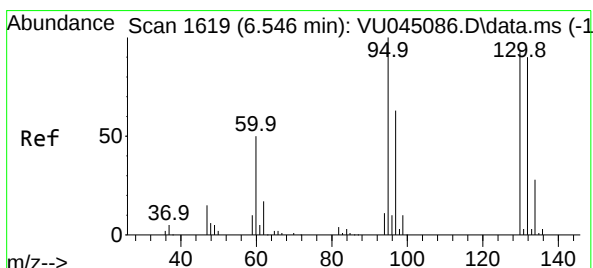
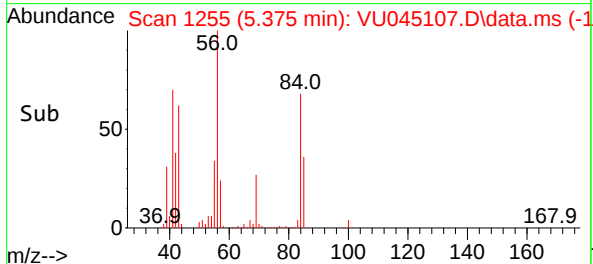
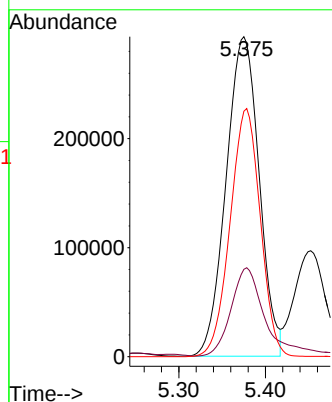
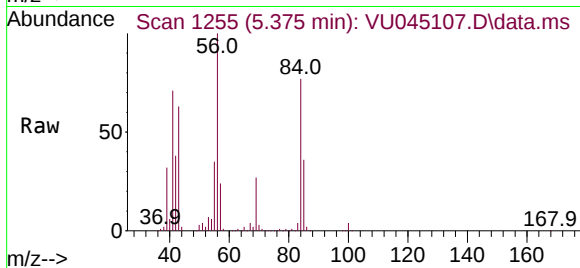
Lab File: VU045107.D

Acq: 04 Oct 2021 19:28

Instrument :
MSVOA_U
ClientSampled :
EW902

Tgt Ion: 56 Resp: 778303

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	70.8	66.8	100.2



#34

Trichloroethene

Concen: 2.579 ug/L

RT: 6.568 min Scan# 1626

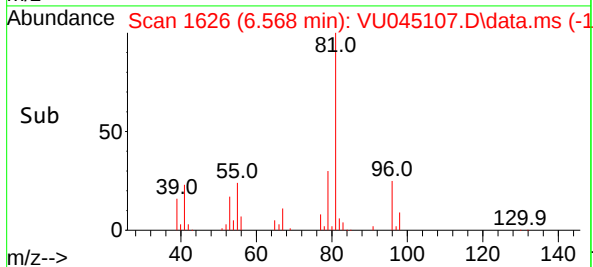
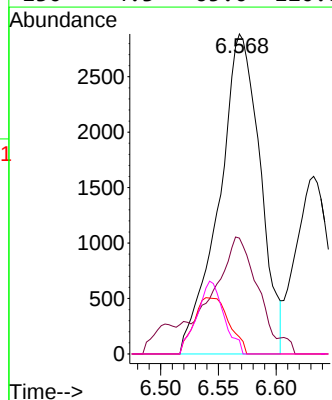
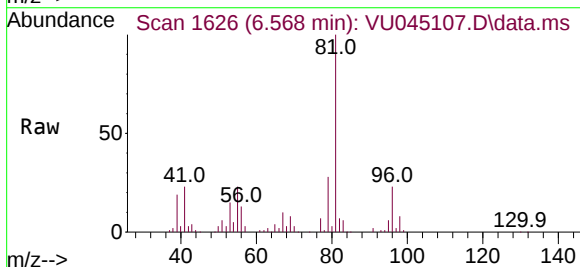
Delta R.T. 0.022 min

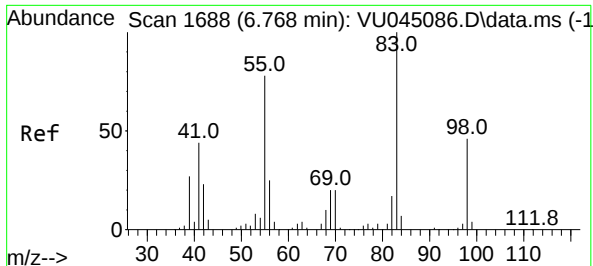
Lab File: VU045107.D

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Tgt Ion: 95 Resp: 7151

Ion	Ratio	Lower	Upper
95	100		
97	36.2	44.4	82.4#
132	5.3	62.9	116.9#
130	4.3	65.0	120.8#

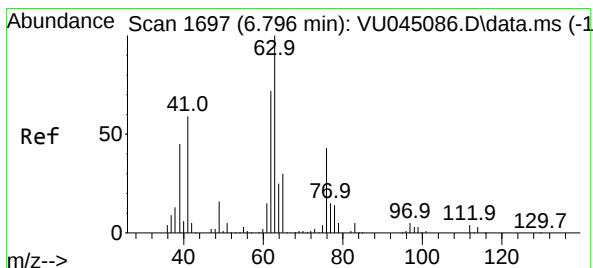
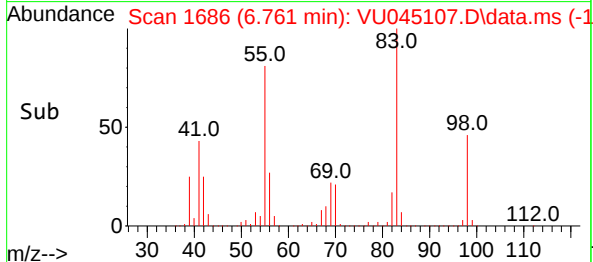
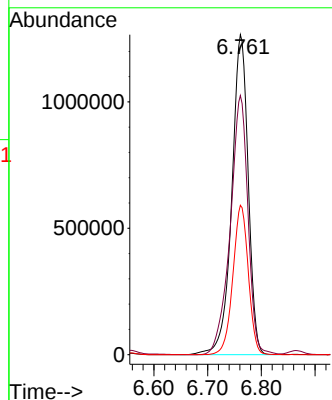
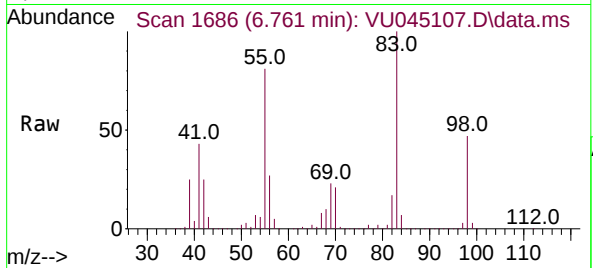




#35
Methylcyclohexane
Concen: 578.206 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.007 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

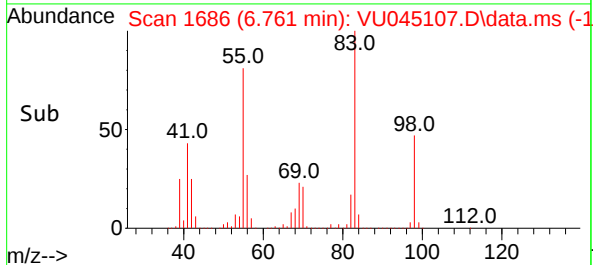
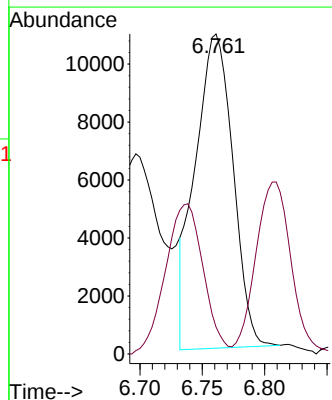
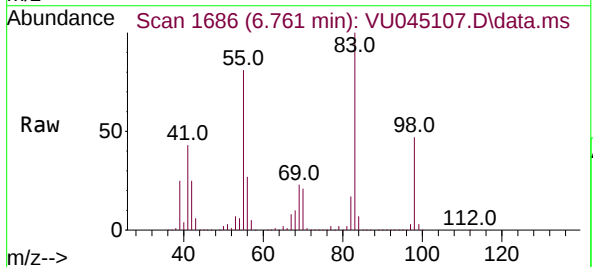
Instrument :
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ClientSampleId :
EW902

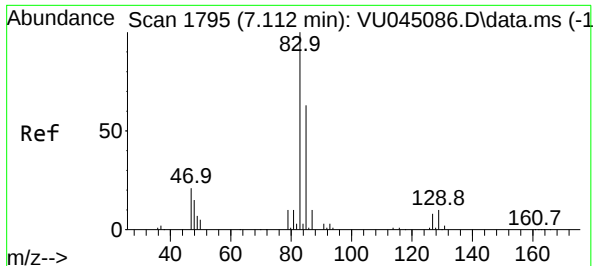
Tgt Ion: 83 Resp: 2684254
Ion Ratio Lower Upper
83 100
55 87.6 65.8 98.6
98 44.0 37.1 55.7



#37
1,2-Dichloropropane
Concen: 7.248 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.035 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Tgt Ion: 63 Resp: 22781
Ion Ratio Lower Upper
63 100
112 48.2 3.2 4.8#

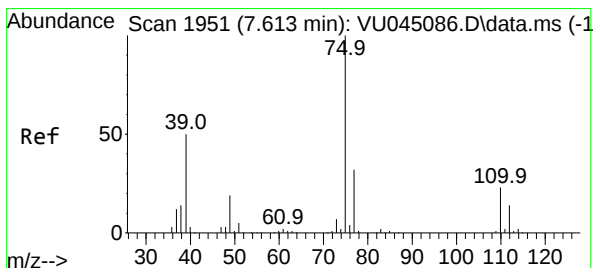
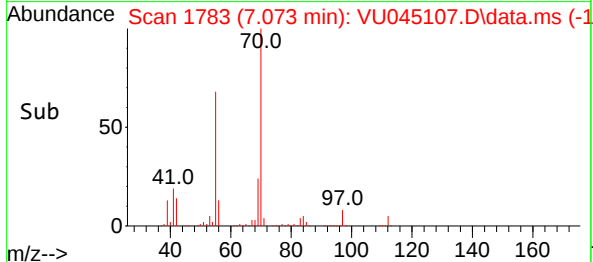
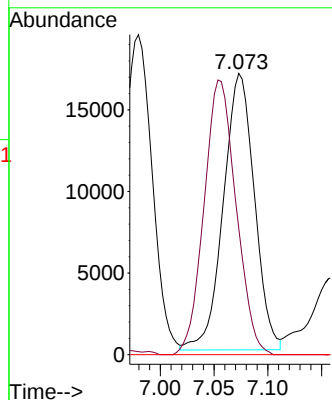
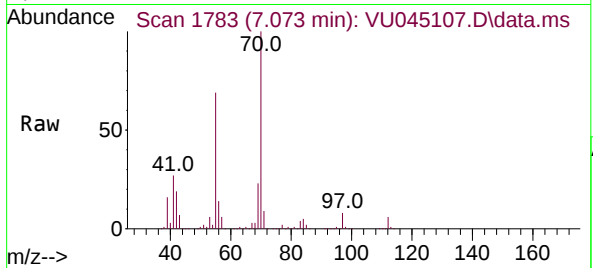




#38
Bromodichloromethane
Concen: 8.834 ug/L
RT: 7.073 min Scan# 1783
Delta R.T. -0.039 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

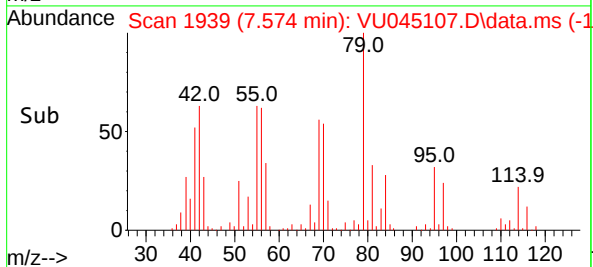
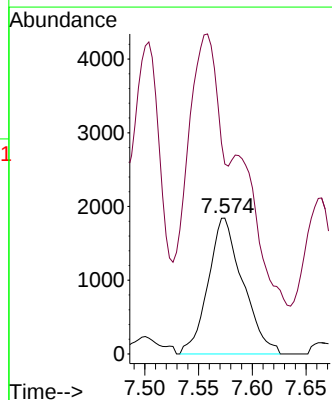
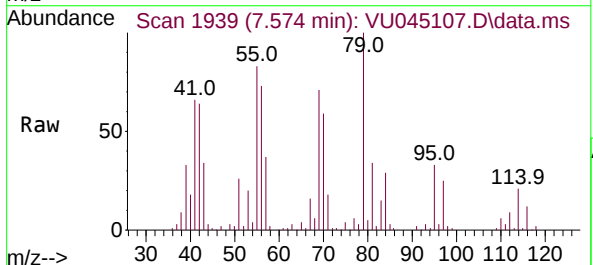
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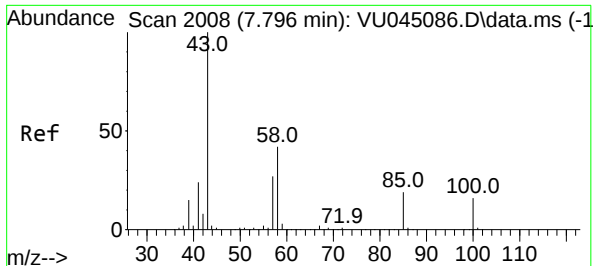
Tgt Ion: 83 Resp: 34037
Ion Ratio Lower Upper
83 100
85 44.9 44.6 82.8
127 0.0 6.2 9.2#



#39
cis-1,3-Dichloropropene
Concen: 0.919 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Tgt Ion: 75 Resp: 4134
Ion Ratio Lower Upper
75 100
77 139.8 22.4 41.6#

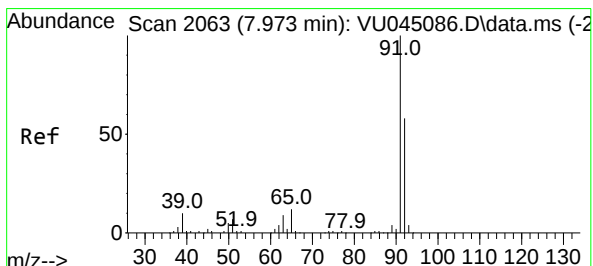
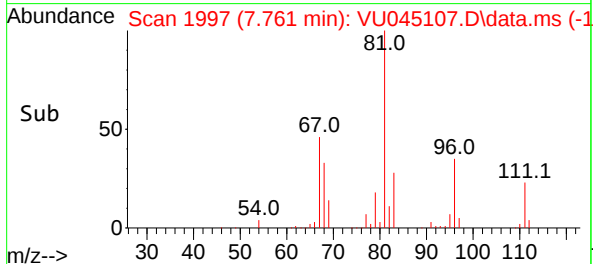
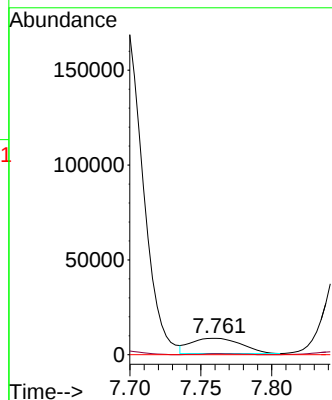
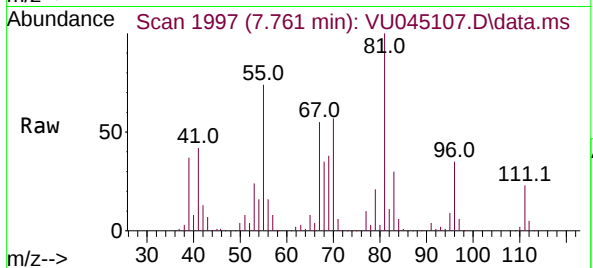




#40
4-Methyl-2-pentanone
Concen: 3.753 ug/L
RT: 7.761 min Scan# 1997
Delta R.T. -0.036 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

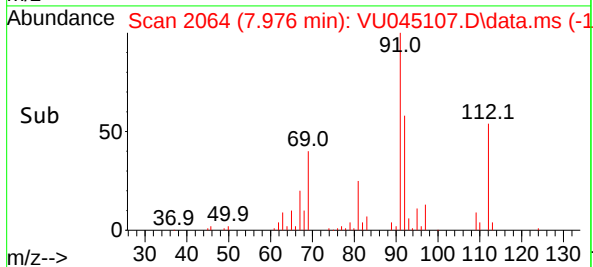
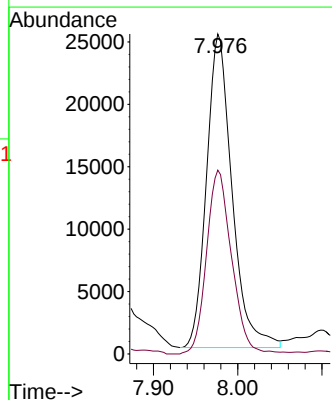
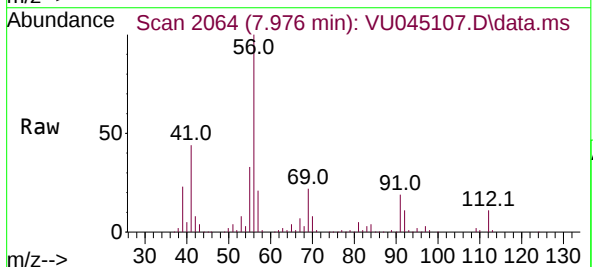
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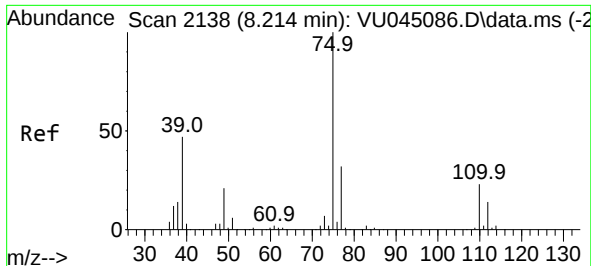
Tgt Ion: 43 Resp: 19705
Ion Ratio Lower Upper
43 100
58 4.9 31.8 47.8#
100 0.0 11.8 17.6#



#42
Toluene
Concen: 4.512 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Tgt Ion: 91 Resp: 52927
Ion Ratio Lower Upper
91 100
92 57.5 40.5 75.1

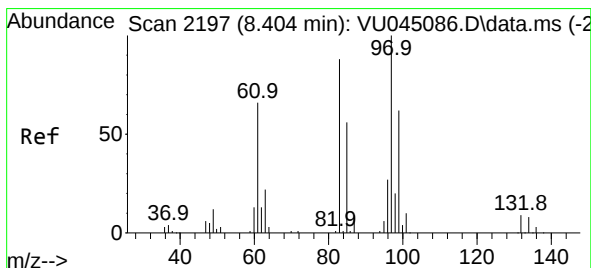
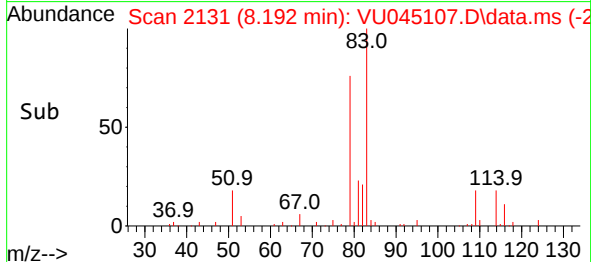
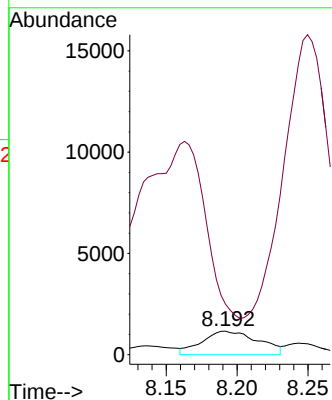
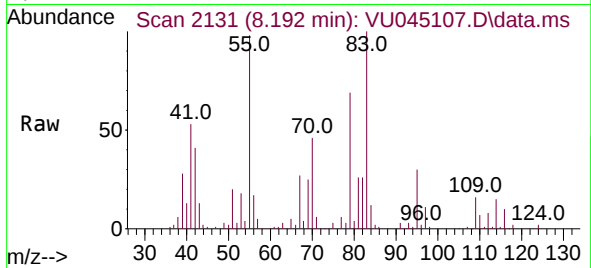




#44
trans-1,3-Dichloropropene
Concen: 0.753 ug/L
RT: 8.192 min Scan# 2131
Delta R.T. -0.023 min
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Acq: 04 Oct 2021 19:28

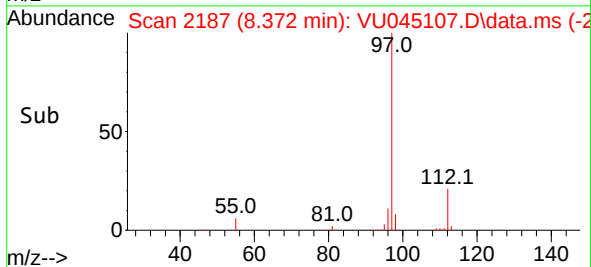
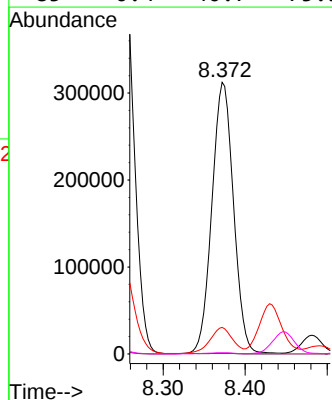
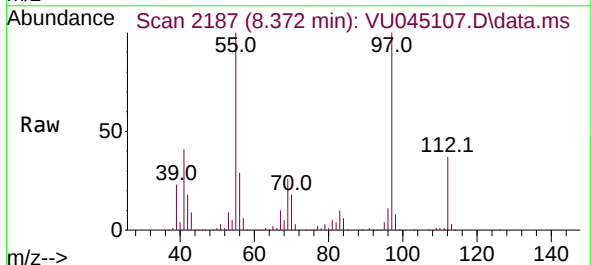
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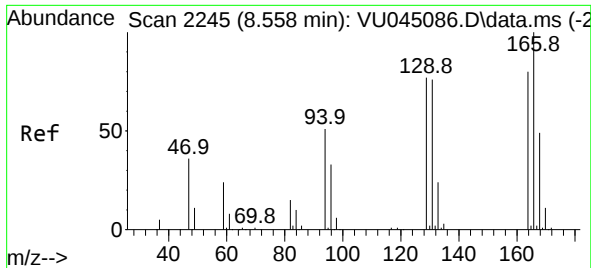
Tgt Ion: 75 Resp: 3219
Ion Ratio Lower Upper
75 100
77 214.9 21.7 40.3#



#45
1,1,2-Trichloroethane
Concen: 200.458 ug/L
RT: 8.372 min Scan# 2187
Delta R.T. -0.032 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Tgt Ion: 97 Resp: 571015
Ion Ratio Lower Upper
97 100
99 0.3 43.7 81.1#
83 9.8 61.9 115.1#
85 0.4 40.7 75.5#

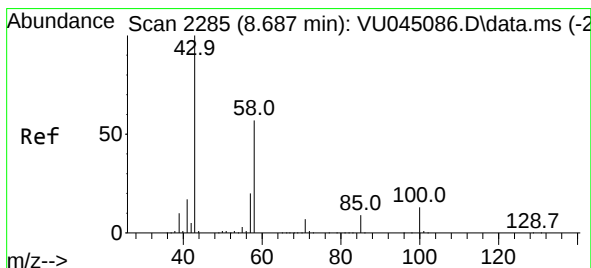
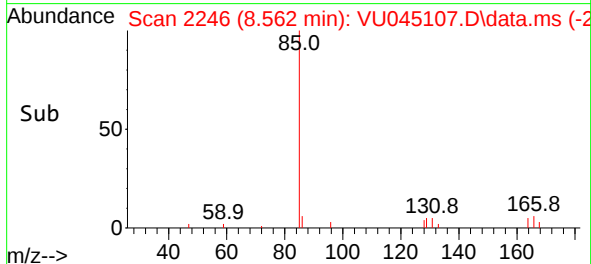
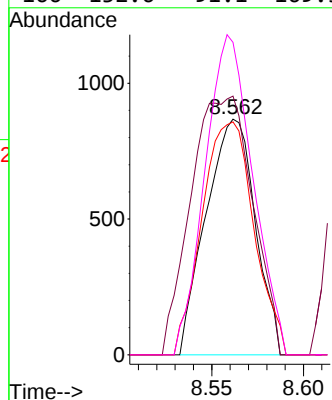
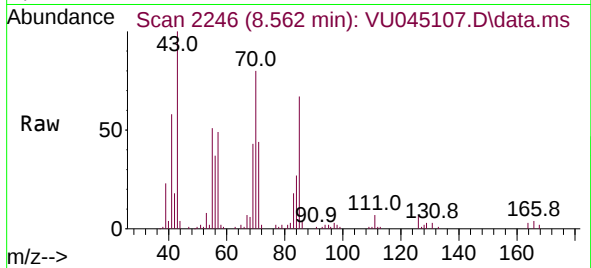




#46
Tetrachloroethene
Concen: 0.816 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.003 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

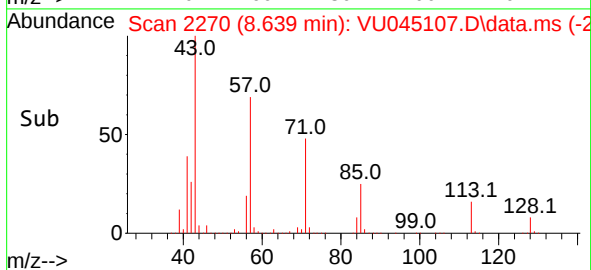
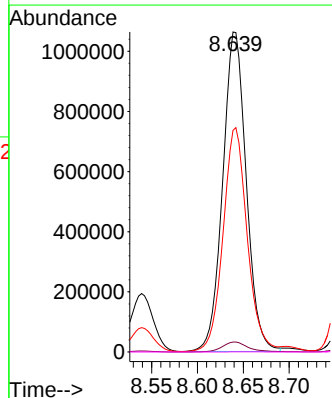
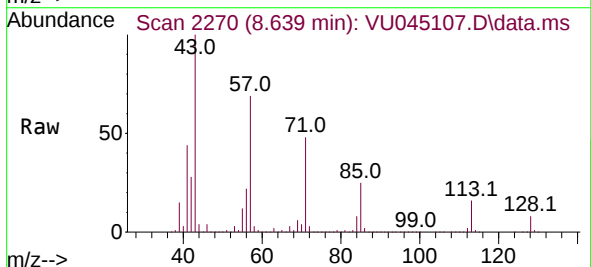
Instrument :
MSVOA_U
ClientSampleId :
EW902

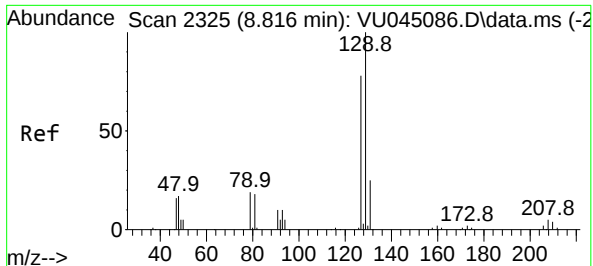
Tgt Ion:164 Resp: 1618
Ion Ratio Lower Upper
164 100
129 109.8 69.8 129.6
131 98.8 66.4 123.2
166 132.6 91.1 169.3



#48
2-Hexanone
Concen: 407.776 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.048 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Tgt Ion: 43 Resp: 1898674
Ion Ratio Lower Upper
43 100
58 3.5 44.9 67.3#
57 71.4 15.5 23.3#
100 0.0 9.4 14.0#





#49

Dibromochloromethane

Concen: 0.737 ug/L

RT: 8.767 min Scan# 2310

Delta R.T. -0.048 min

Lab File: VU045107.D

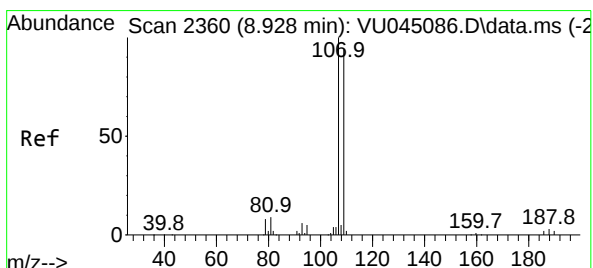
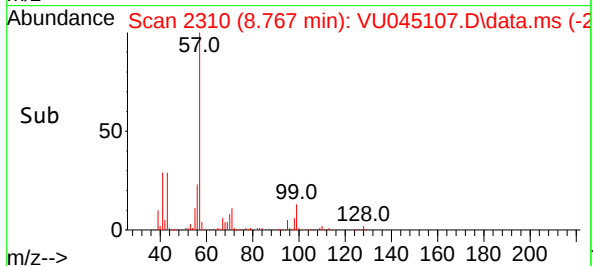
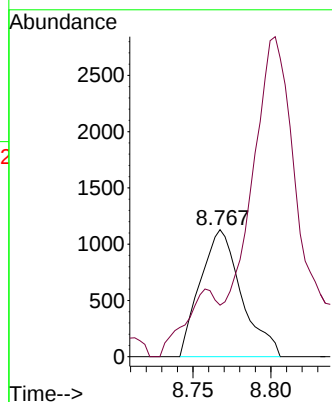
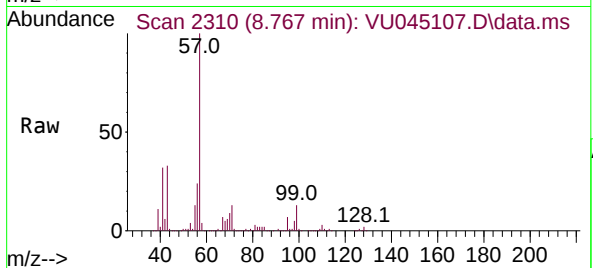
Acq: 04 Oct 2021 19:28

Tgt Ion:129 Resp: 2077

Ion Ratio Lower Upper

129 100

127 40.5 54.3 100.8#



#50

1,2-Dibromoethane

Concen: 0.690 ug/L

RT: 8.951 min Scan# 2367

Delta R.T. 0.022 min

Lab File: VU045107.D

Acq: 04 Oct 2021 19:28

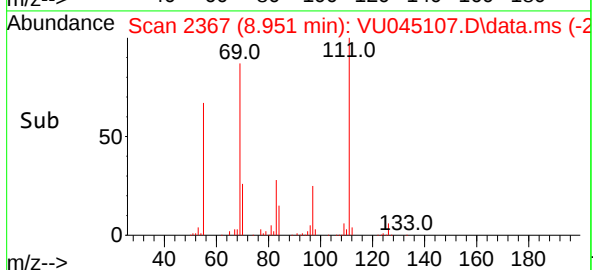
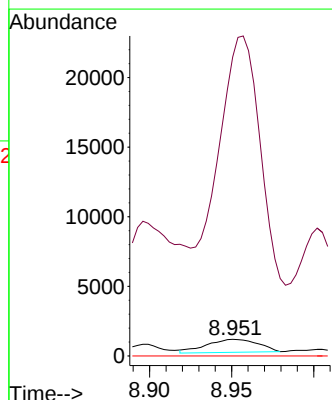
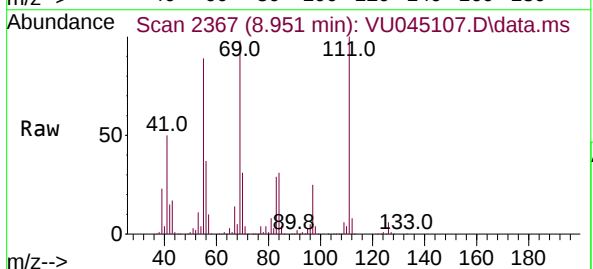
Tgt Ion:107 Resp: 2058

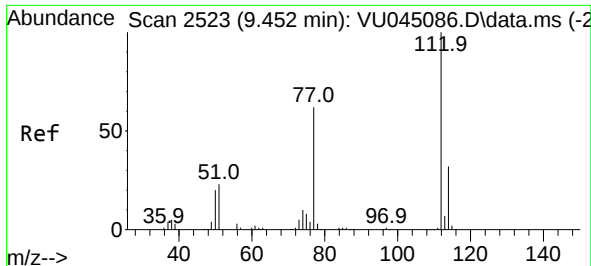
Ion Ratio Lower Upper

107 100

109 1797.5 65.5 121.6#

188 0.0 2.6 3.8#

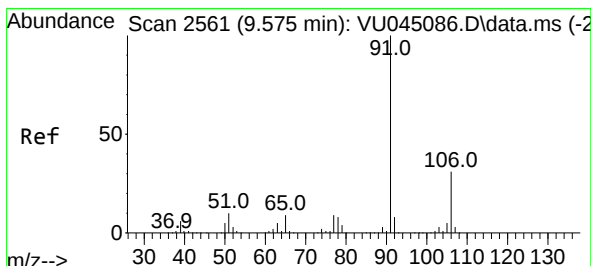
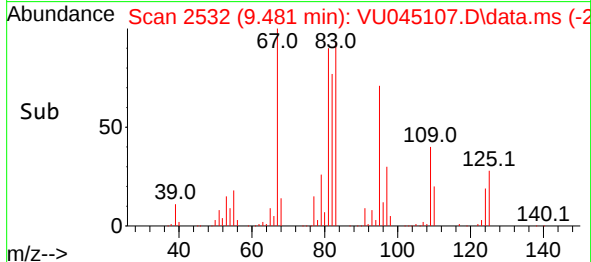
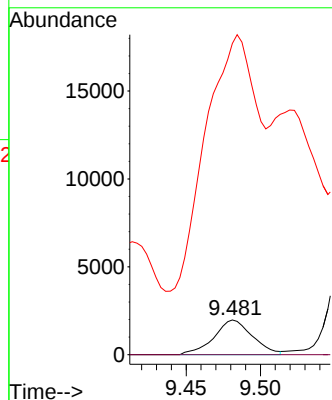
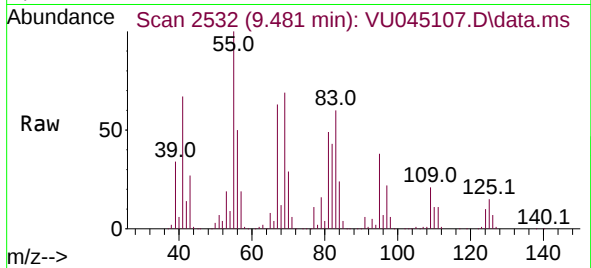




#51
Chlorobenzene
Concen: 0.492 ug/L
RT: 9.481 min Scan# 2532
Delta R.T. 0.029 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

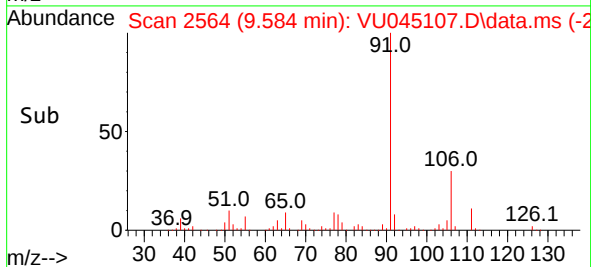
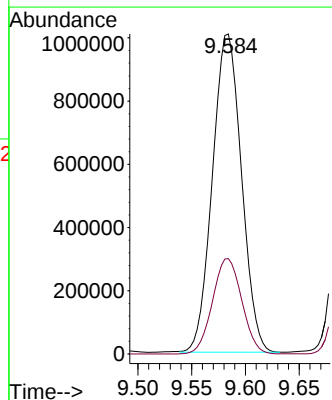
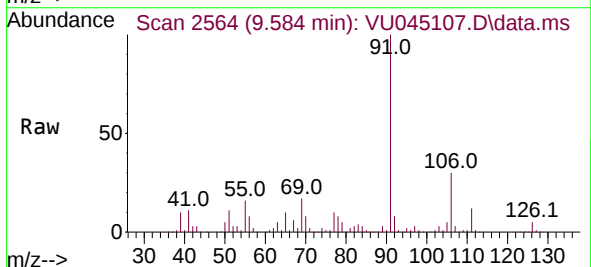
Instrument :
MSVOA_U
ClientSampleId :
EW902

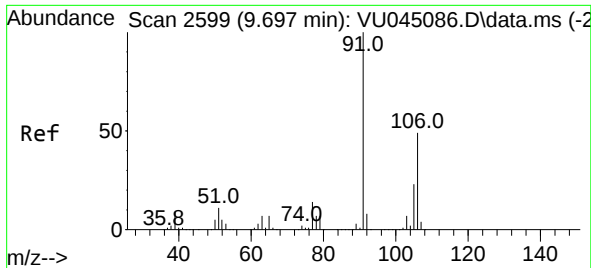
Tgt Ion:112 Resp: 3562
Ion Ratio Lower Upper
112 100
114 0.0 22.5 41.9#
77 897.3 50.6 75.8#



#52
Ethylbenzene
Concen: 152.678 ug/L
RT: 9.584 min Scan# 2564
Delta R.T. 0.010 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Tgt Ion: 91 Resp: 1891897
Ion Ratio Lower Upper
91 100
106 29.8 21.2 39.4

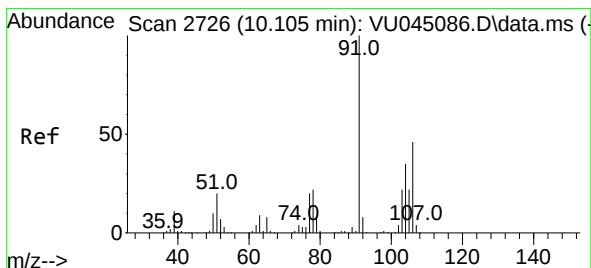
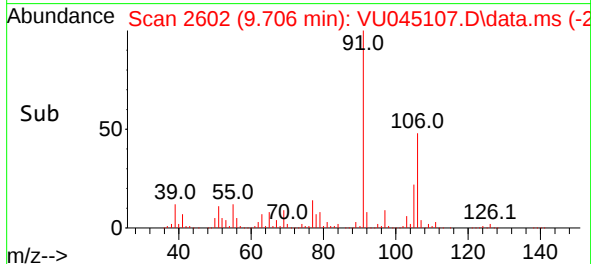
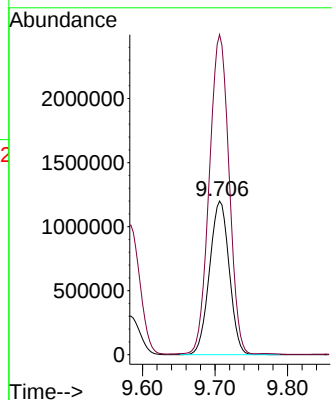
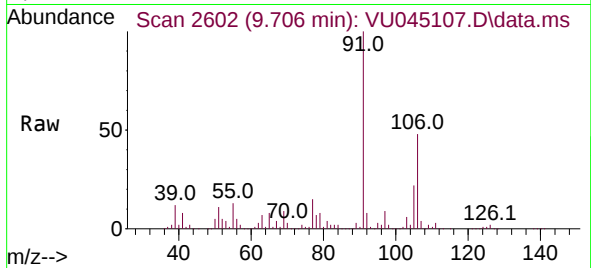




#53
m,p-Xylene
Concen: 481.604 ug/L
RT: 9.706 min Scan# 2602
Delta R.T. 0.010 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

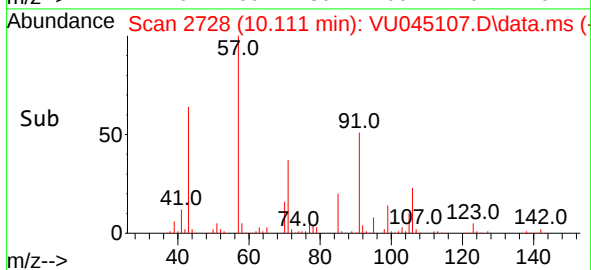
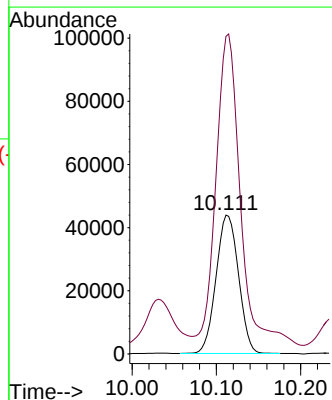
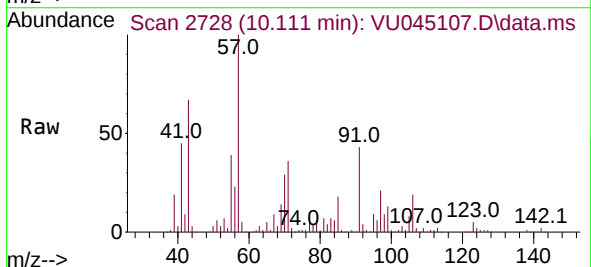
Instrument :
MSVOA_U
ClientSampled :
EW902

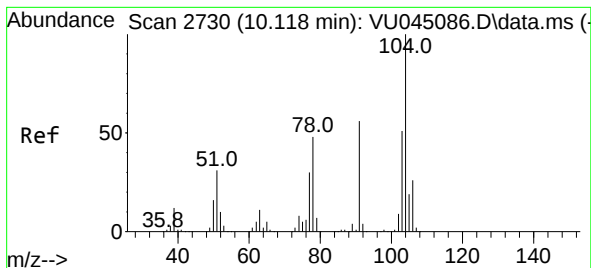
Tgt Ion:106 Resp: 2260724
Ion Ratio Lower Upper
106 100
91 208.2 146.7 272.4



#54
o-xylene
Concen: 17.542 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.006 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Tgt Ion:106 Resp: 80915
Ion Ratio Lower Upper
106 100
91 228.6 152.9 283.9





#55

Styrene

Concen: 0.564 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VU045107.D

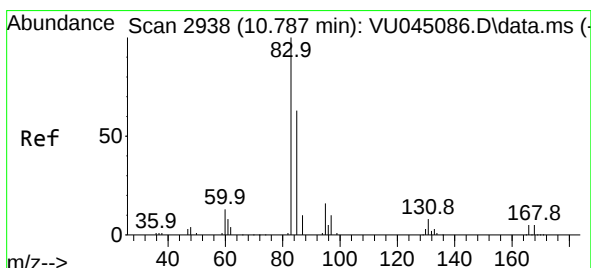
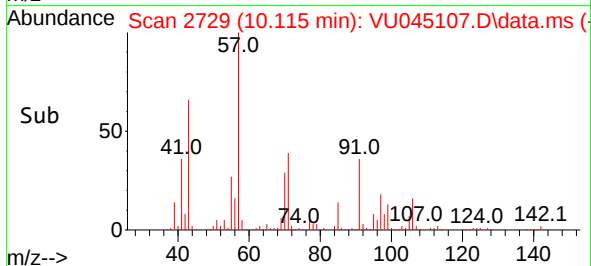
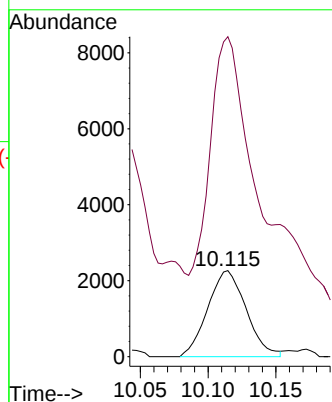
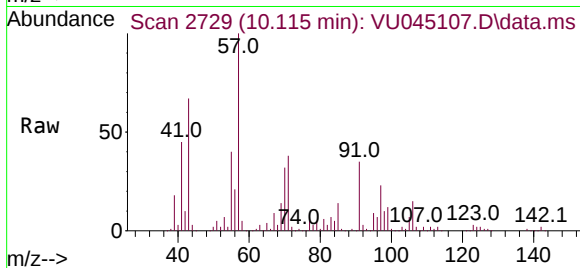
Acq: 04 Oct 2021 19:28

Tgt Ion:104 Resp: 4474

Ion Ratio Lower Upper

104 100
78 371.6 33.3 61.9#

Instrument :
MSVOA_U
ClientSampled :
EW902



#57

1,1,2,2-Tetrachloroethane

Concen: 25.814 ug/L

RT: 10.767 min Scan# 2932

Delta R.T. -0.019 min

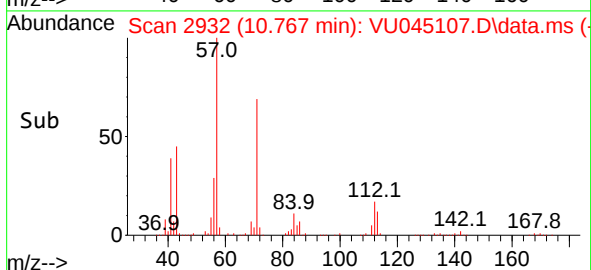
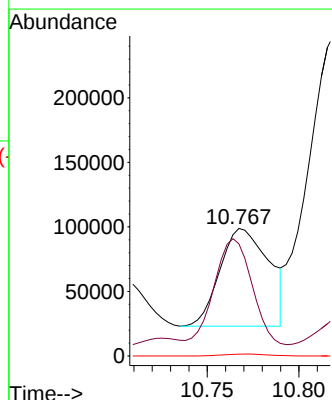
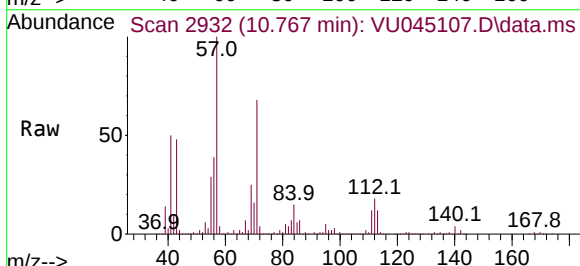
Lab File: VU045107.D

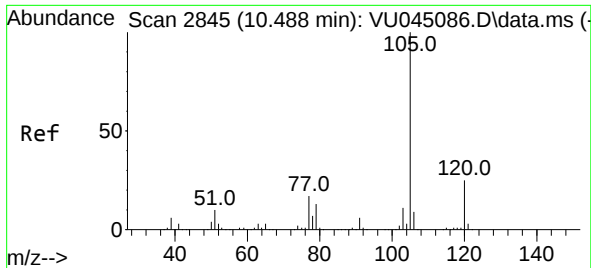
Acq: 04 Oct 2021 19:28

Tgt Ion: 83 Resp: 140796

Ion Ratio Lower Upper

83 100
85 88.0 45.1 83.7#
131 1.4 6.9 10.3#

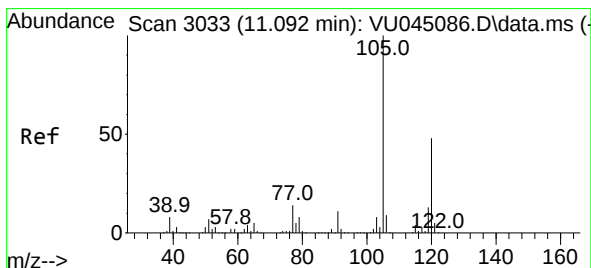
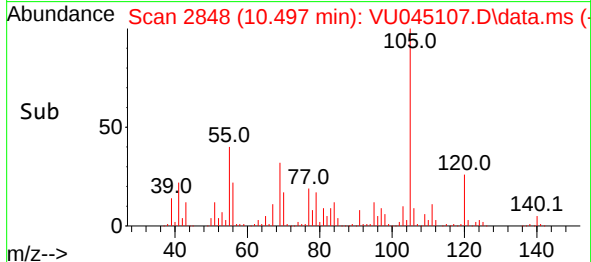
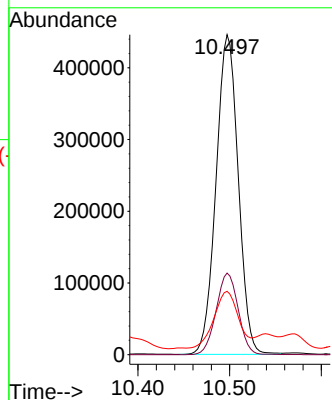
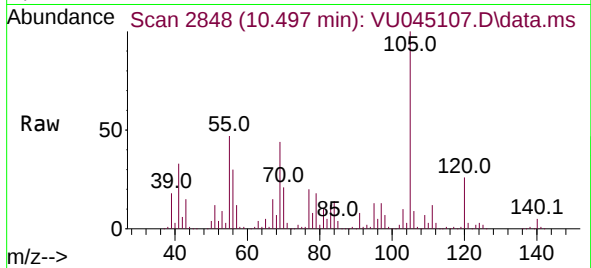




#61
Isopropylbenzene
Concen: 63.421 ug/L
RT: 10.497 min Scan# 2848
Delta R.T. 0.010 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

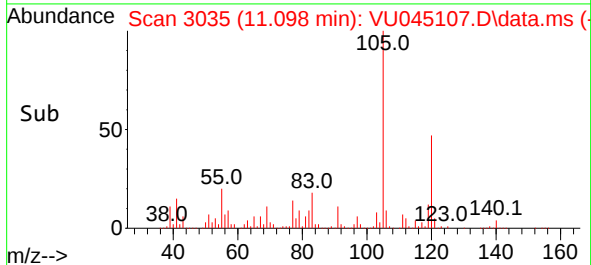
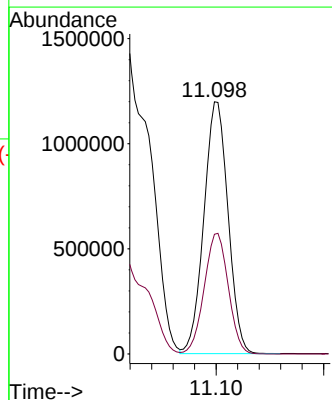
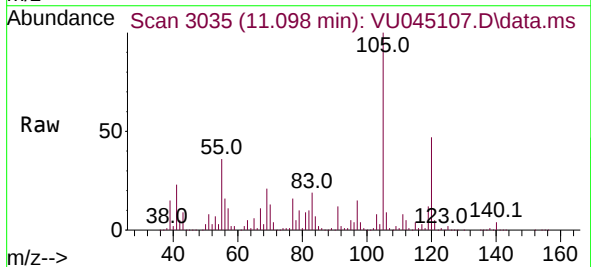
Instrument :
MSVOA_U
ClientSampleId :
EW902

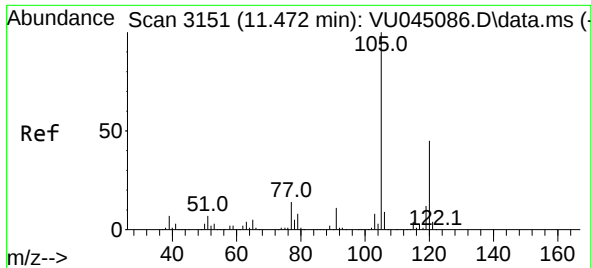
Tgt Ion:105 Resp: 749652
Ion Ratio Lower Upper
105 100
120 25.3 20.5 30.7
77 19.0 13.5 20.3



#62
1,3,5-Trimethylbenzene
Concen: 189.223 ug/L
RT: 11.098 min Scan# 3035
Delta R.T. 0.006 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Tgt Ion:105 Resp: 1867910
Ion Ratio Lower Upper
105 100
120 47.8 38.8 58.2

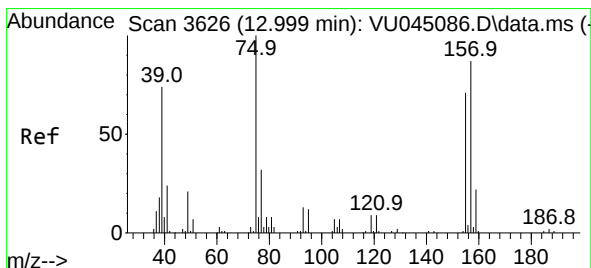
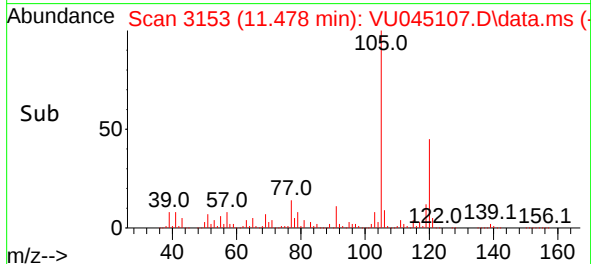
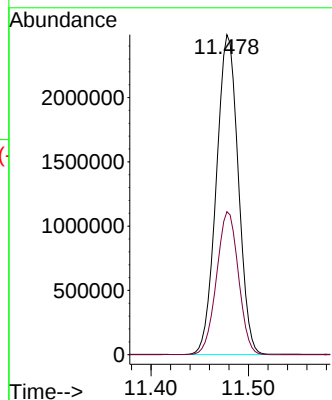
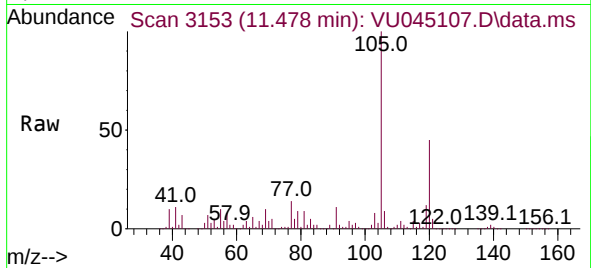




#63
1,2,4-Trimethylbenzene
Concen: 384.446 ug/L
RT: 11.478 min Scan# 3153
Delta R.T. 0.006 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

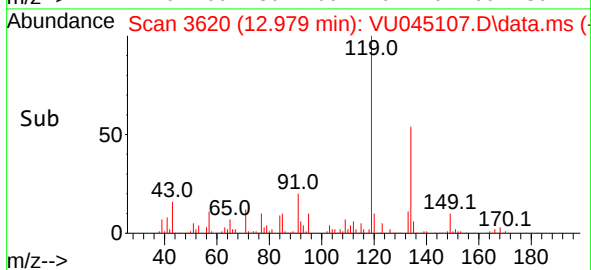
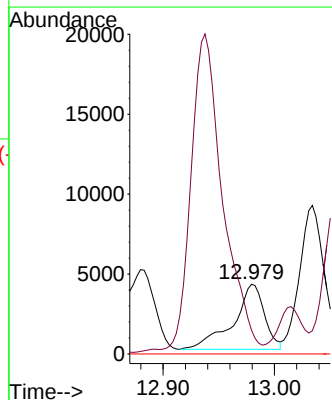
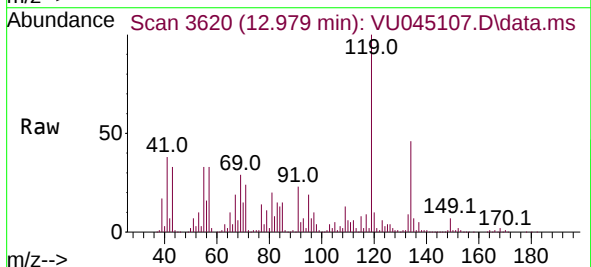
Instrument :
MSVOA_U
ClientSampleId :
EW902

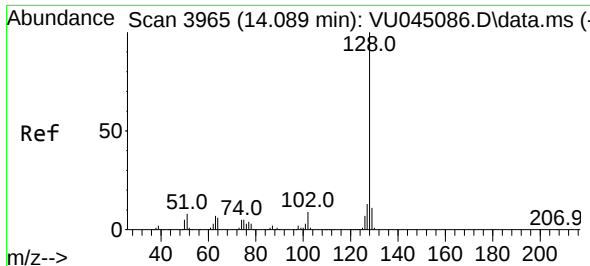
Tgt Ion:105 Resp: 3886211
Ion Ratio Lower Upper
105 100
120 44.6 35.7 53.5



#68
1,2-Dibromo-3-chloropropane
Concen: 6.181 ug/L
RT: 12.979 min Scan# 3620
Delta R.T. -0.019 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Tgt Ion: 75 Resp: 7935
Ion Ratio Lower Upper
75 100
155 33.9 58.5 87.7#
157 0.0 77.7 116.5#

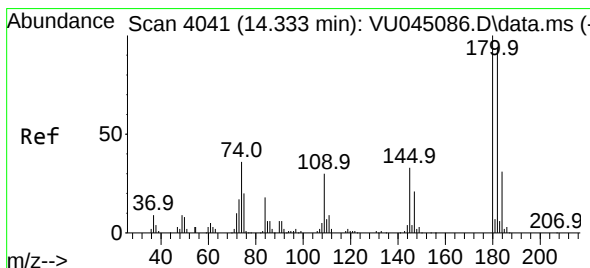
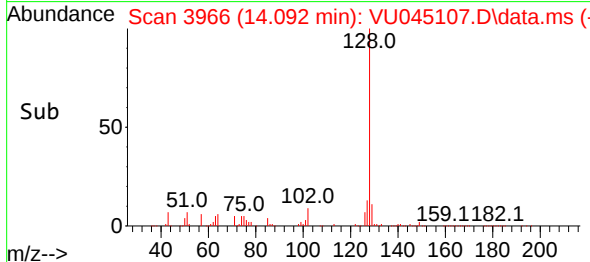
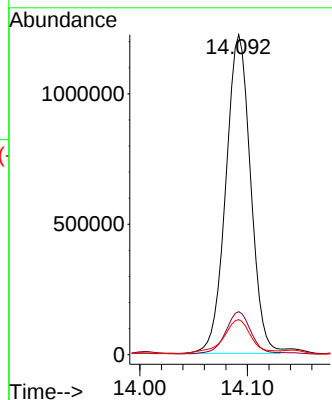
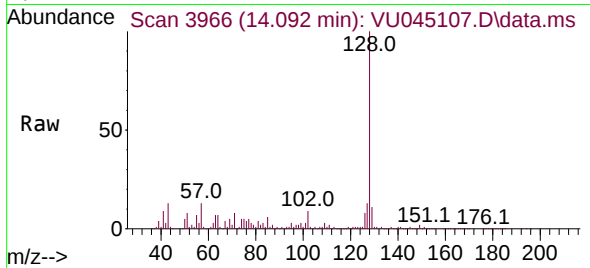




#71
Naphthalene
Concen: 178.780 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Instrument :
MSVOA_U
ClientSampleId :
EW902

Tgt Ion:128 Resp: 1951647
Ion Ratio Lower Upper
128 100
127 14.0 10.4 15.6
129 11.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 4.345 ug/L
RT: 14.356 min Scan# 4048
Delta R.T. 0.022 min
Lab File: VU045107.D
Acq: 04 Oct 2021 19:28

Tgt Ion:180 Resp: 14006
Ion Ratio Lower Upper
180 100
182 9.8 76.8 115.2#
145 2212.6 26.5 39.7#

