

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045097.D
 Acq On : 04 Oct 2021 15:35
 Operator : SY/MD
 Sample : M3996-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A17

Quant Time: Oct 05 02:45:47 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	6.254	114	296100	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.421	117	274630	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	127433	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	97599	30.110	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	60.220%		
7) Chloroethane-d5	1.906	69	90917	35.395	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	70.800%		
11) 1,1-Dichloroethene-d2	2.569	63	144473	26.541	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	53.080%#		
21) 2-Butanone-d5	4.627	46	239653	93.520	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.520%		
24) Chloroform-d	5.067	84	204600	39.965	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.920%		
26) 1,2-Dichloroethane-d4	5.707	65	146909	42.364	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.720%		
32) Benzene-d6	5.733	84	408109	42.826	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.660%		
36) 1,2-Dichloropropane-d6	6.694	67	136127	43.809	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.620%		
41) Toluene-d8	7.900	98	343706	41.794	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.580%		
43) trans-1,3-Dichloroprop...	8.183	79	60699	43.915	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.820%		
47) 2-Hexanone-d5	8.636	63	181229	105.246	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.250%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	214805	44.394	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.780%		
66) 1,2-Dichlorobenzene-d4	12.195	152	131007	47.239	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.480%		
Target Compounds						Qvalue
14) Carbon disulfide	2.797	76	2010	0.274	ug/L #	91
25) Chloroform	5.093	83	4738	0.948	ug/L	97
33) Benzene	5.778	78	27521	2.702	ug/L	100
34) Trichloroethene	6.546	95	1378	0.563	ug/L	85
37) 1,2-Dichloropropane	6.697	63	16065	5.793	ug/L #	88
38) Bromodichloromethane	7.109	83	3498	1.029	ug/L	97
39) cis-1,3-Dichloropropene	7.569	75	3790	0.955	ug/L #	61
42) Toluene	7.974	91	31998	3.092	ug/L	97
44) trans-1,3-Dichloropropene	8.183	75	2584	0.685	ug/L #	77
46) Tetrachloroethene	8.556	164	139621	79.842	ug/L	99
52) Ethylbenzene	9.572	91	13512	1.236	ug/L	94
53) m,p-Xylene	9.700	106	4997	1.207	ug/L	92
54) o-xylene	10.105	106	2938	0.722	ug/L	99
60) 1,2,3-Trichloropropane	11.813	75	16951	4.809	ug/L #	68
62) 1,3,5-Trimethylbenzene	11.472	105	7085	0.910	ug/L	91
63) 1,2,4-Trimethylbenzene	11.472	105	7085	0.888	ug/L	97
71) Naphthalene	14.089	128	26271	3.050	ug/L	98

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

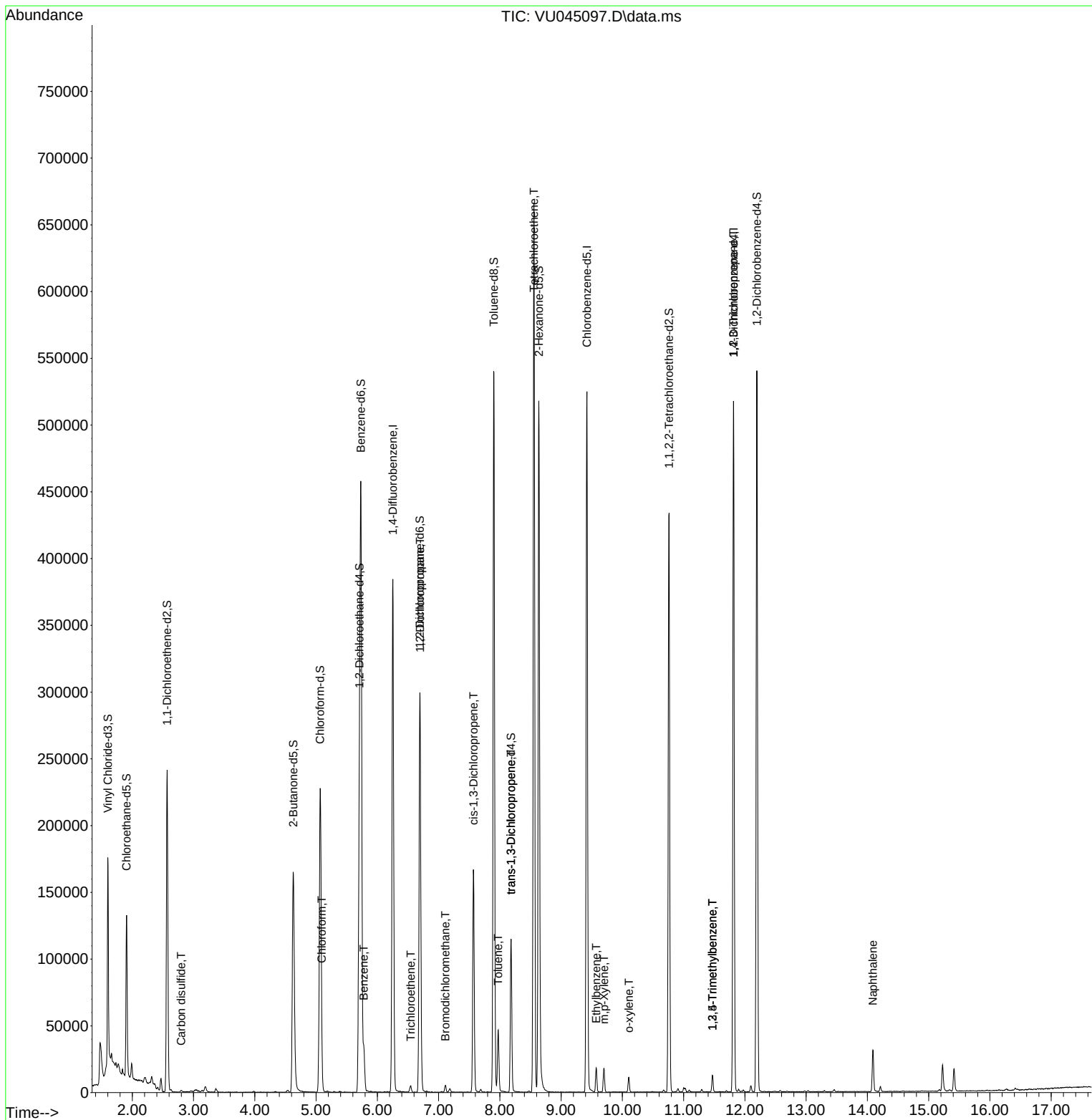
Instrument :
MSVOA_U
ClientSampleId :
F4A17

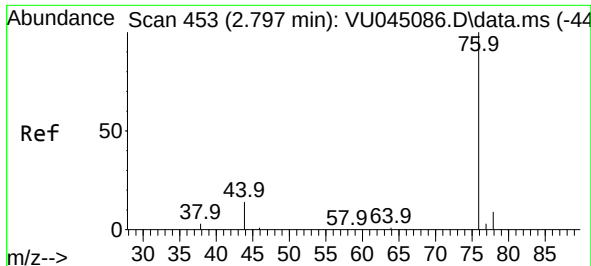
Quant Time: Oct 05 02:45:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 05 02:41:56 2021
Response via : Initial Calibration

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

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

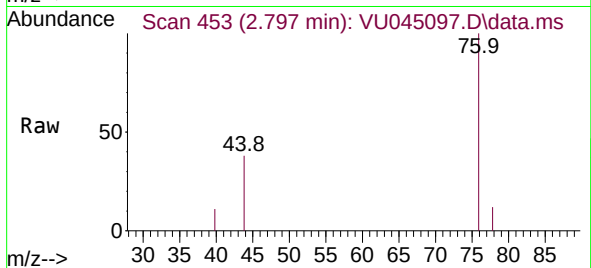
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Quant Title : VOC Analysis
QLast Update : Tue Oct 05 02:41:56 2021
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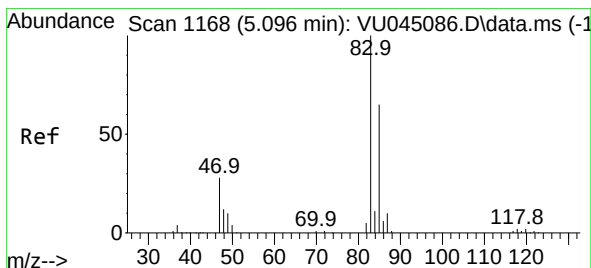
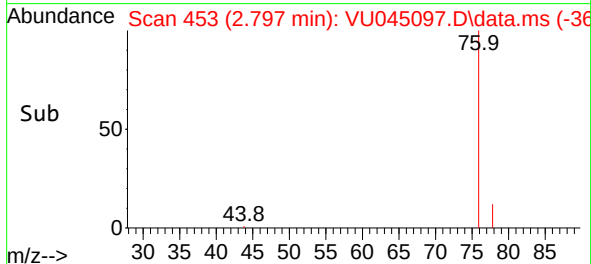
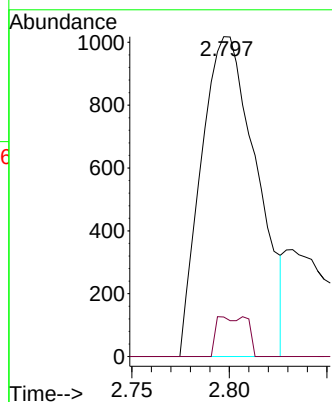


#14
Carbon disulfide
Concen: 0.274 ug/L
RT: 2.797 min Scan# 453
Delta R.T. 0.000 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

Instrument :
MSVOA_U
ClientSampled :
F4A17

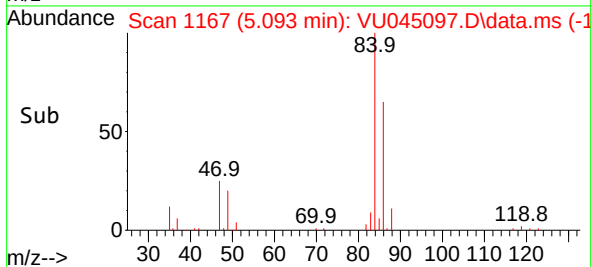
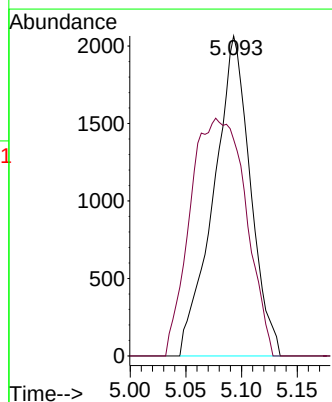
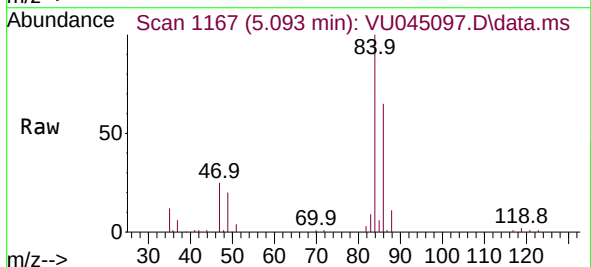


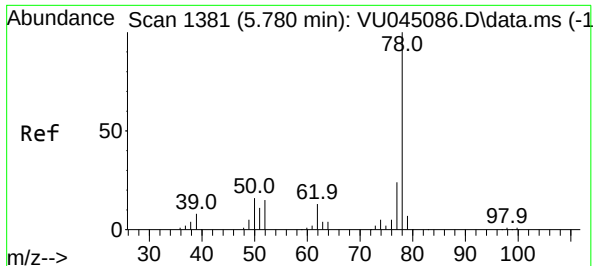
Tgt Ion: 76 Resp: 2010
Ion Ratio Lower Upper
76 100
78 12.4 7.3 10.9#



#25
Chloroform
Concen: 0.948 ug/L
RT: 5.093 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

Tgt Ion: 83 Resp: 4738
Ion Ratio Lower Upper
83 100
85 67.7 45.6 84.6





#33

Benzene

Concen: 2.702 ug/L

RT: 5.778 min Scan# 1380

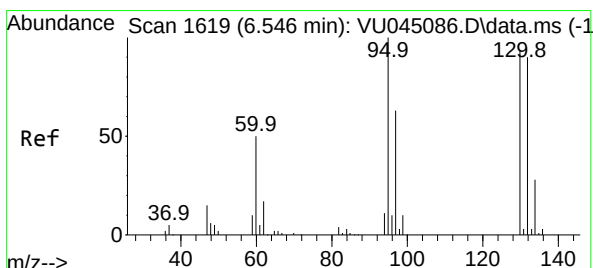
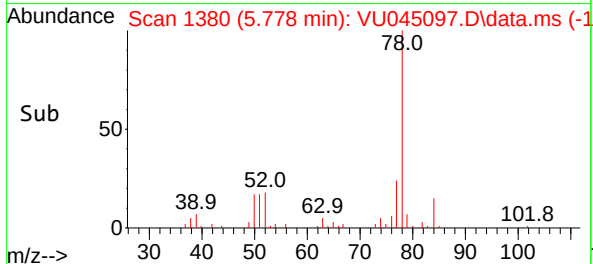
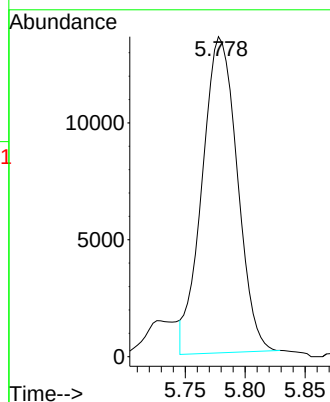
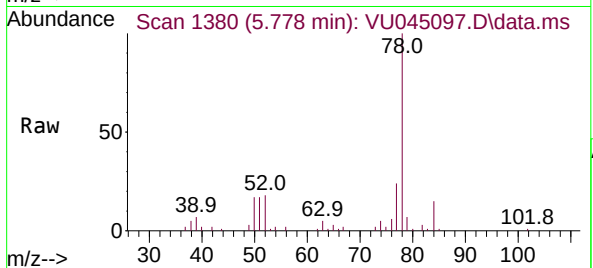
Delta R.T. -0.003 min

Lab File: VU045097.D

Acq: 04 Oct 2021 15:35

Tgt Ion: 78 Resp: 27521

Instrument :
MSVOA_U
ClientSampled :
F4A17



#34

Trichloroethene

Concen: 0.563 ug/L

RT: 6.546 min Scan# 1619

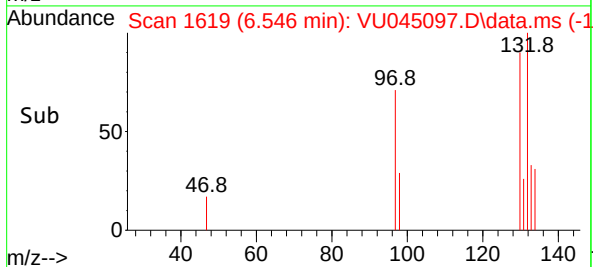
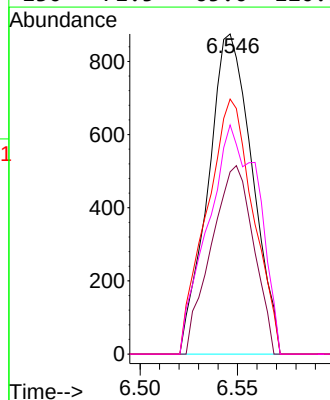
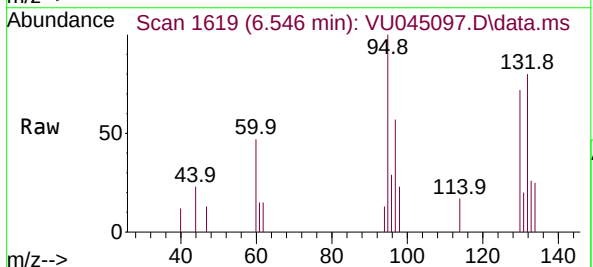
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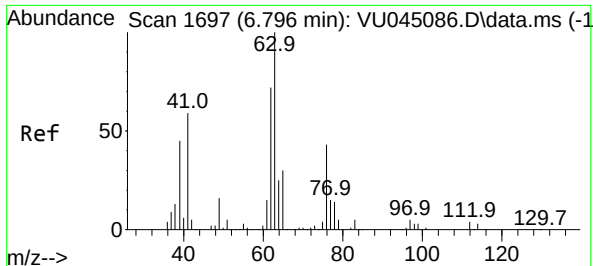
Lab File: VU045097.D

Acq: 04 Oct 2021 15:35

Tgt Ion: 95 Resp: 1378

Ion	Ratio	Lower	Upper
95	100		
97	56.9	44.4	82.4
132	79.7	62.9	116.9
130	71.5	65.0	120.8



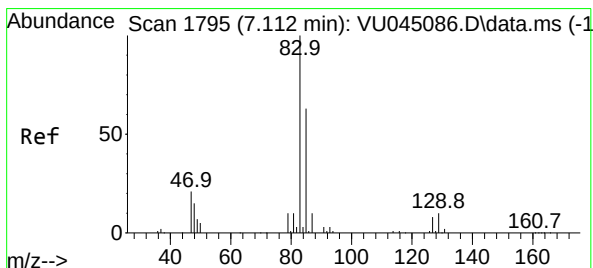
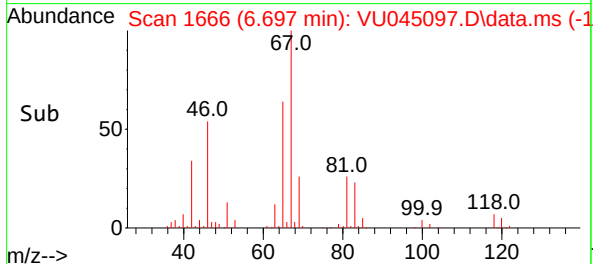
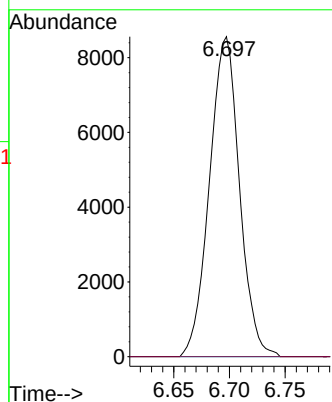
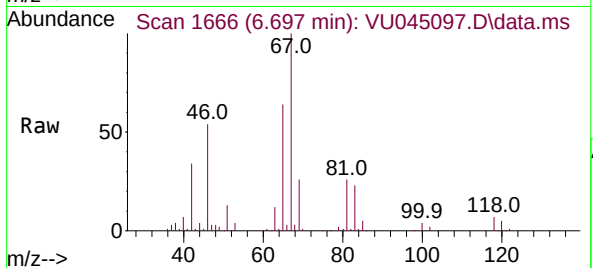


#37

1,2-Dichloropropane
Concen: 5.793 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.099 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

Instrument :
MSVOA_U
ClientSampled :
F4A17

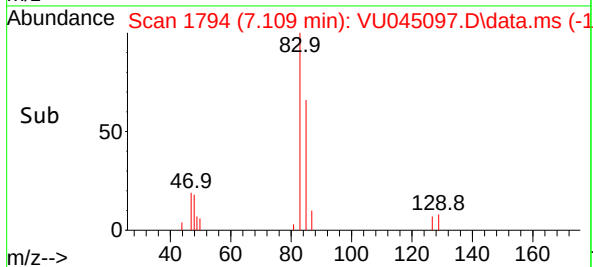
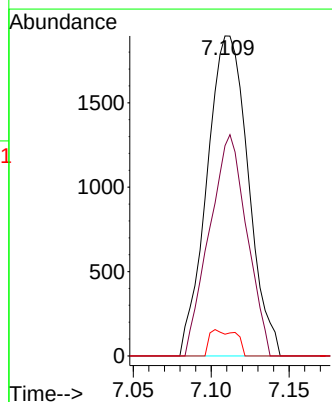
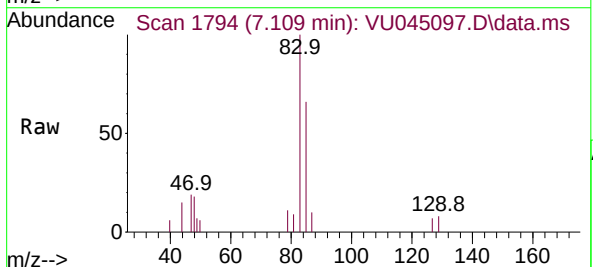
Tgt Ion: 63 Resp: 16065
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

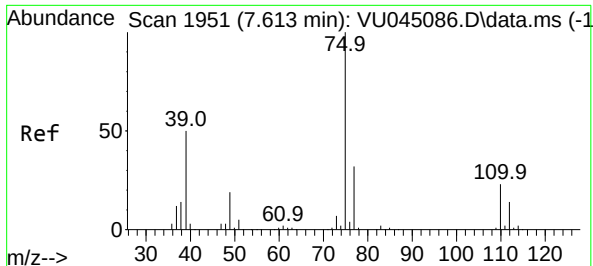


#38

Bromodichloromethane
Concen: 1.029 ug/L
RT: 7.109 min Scan# 1794
Delta R.T. -0.003 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

Tgt Ion: 83 Resp: 3498
Ion Ratio Lower Upper
83 100
85 65.7 44.6 82.8
127 6.8 6.2 9.2



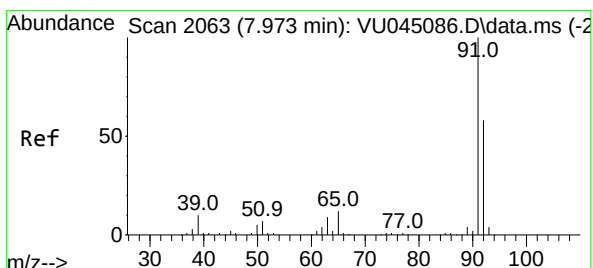
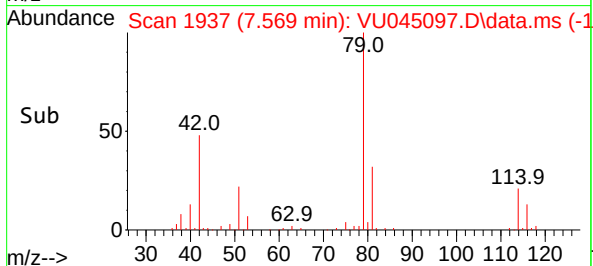
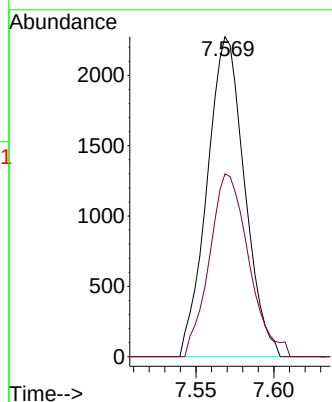
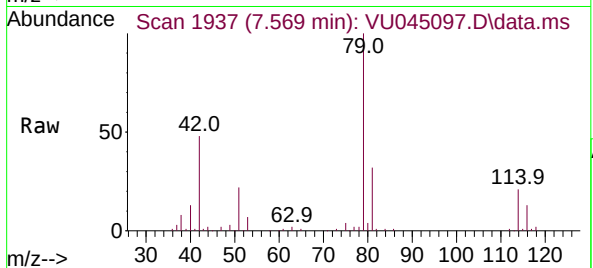


#39

cis-1,3-Dichloropropene
Concen: 0.955 ug/L
RT: 7.569 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

Instrument :
MSVOA_U
ClientSampled :
F4A17

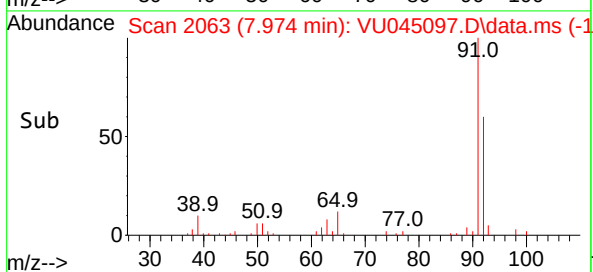
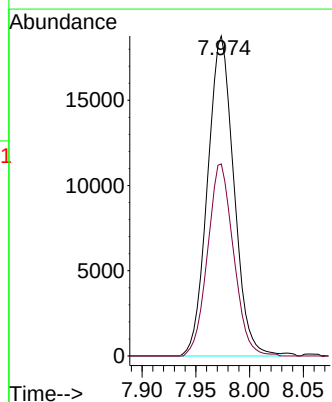
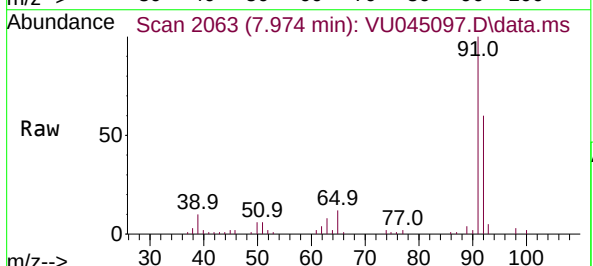
Tgt Ion: 75 Resp: 3790
Ion Ratio Lower Upper
75 100
77 54.0 22.4 41.6#

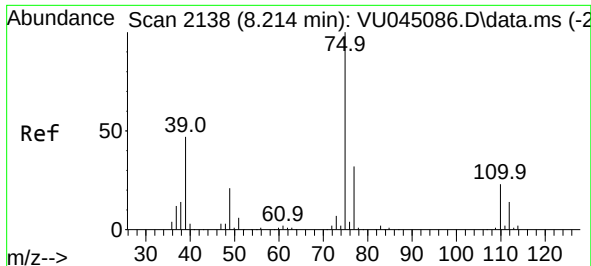


#42

Toluene
Concen: 3.092 ug/L
RT: 7.974 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

Tgt Ion: 91 Resp: 31998
Ion Ratio Lower Upper
91 100
92 60.0 40.5 75.1

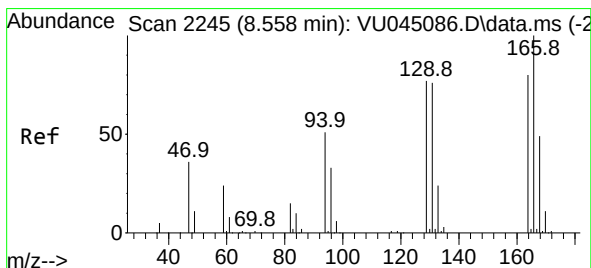
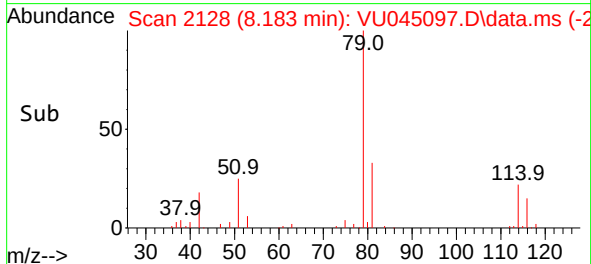
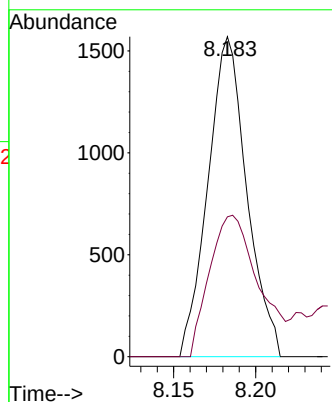
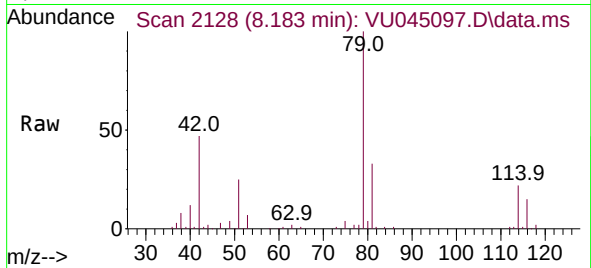




#44
trans-1,3-Dichloropropene
Concen: 0.685 ug/L
RT: 8.183 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

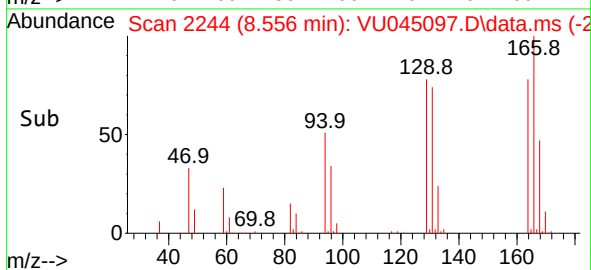
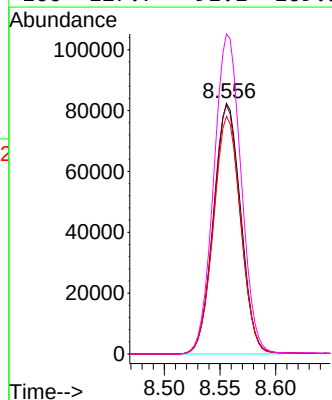
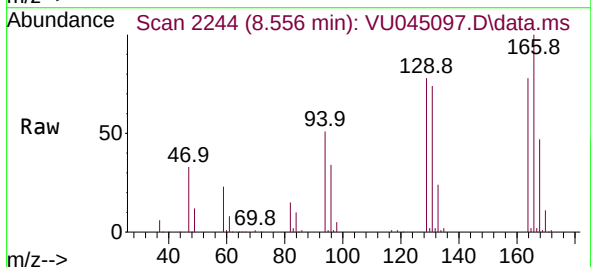
Instrument :
MSVOA_U
ClientSampled :
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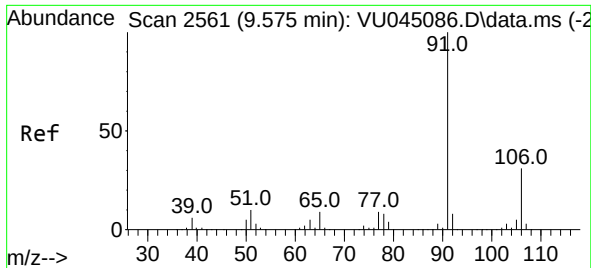
Tgt Ion: 75 Resp: 2584
Ion Ratio Lower Upper
75 100
77 43.7 21.7 40.3#



#46
Tetrachloroethene
Concen: 79.842 ug/L
RT: 8.556 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

Tgt Ion: 164 Resp: 139621
Ion Ratio Lower Upper
164 100
129 99.2 69.8 129.6
131 94.8 66.4 123.2
166 127.7 91.1 169.3

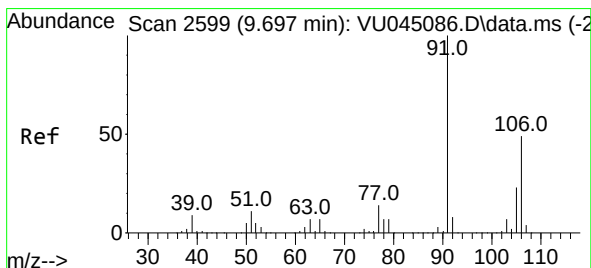
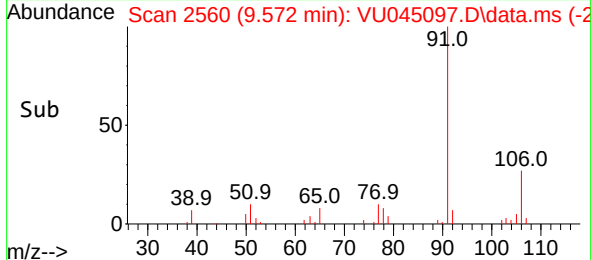
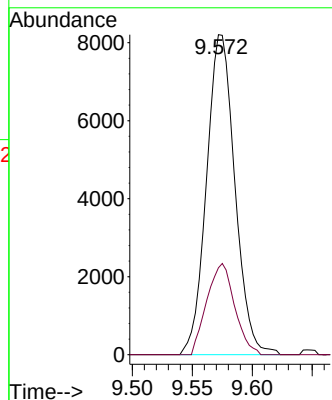
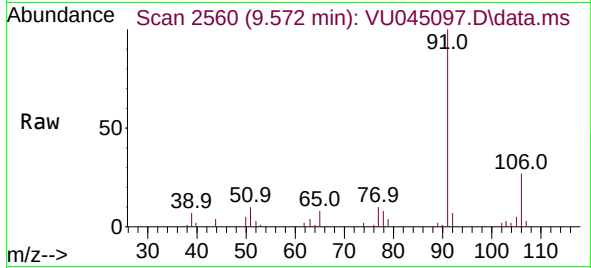




#52
Ethylbenzene
Concen: 1.236 ug/L
RT: 9.572 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

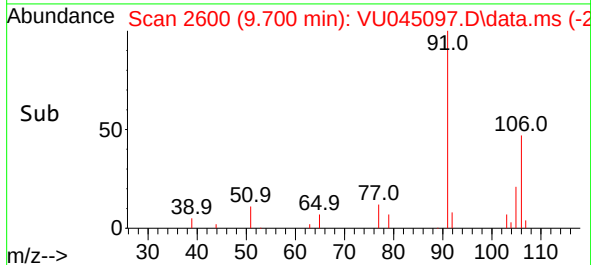
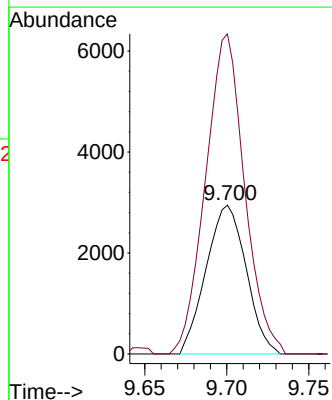
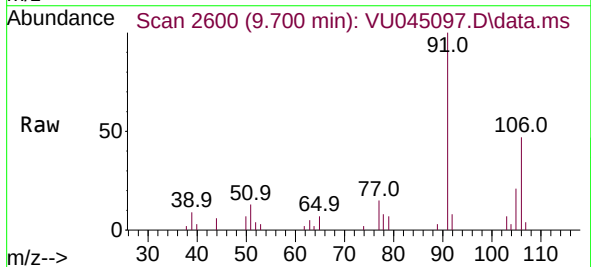
Instrument :
MSVOA_U
ClientSampled :
F4A17

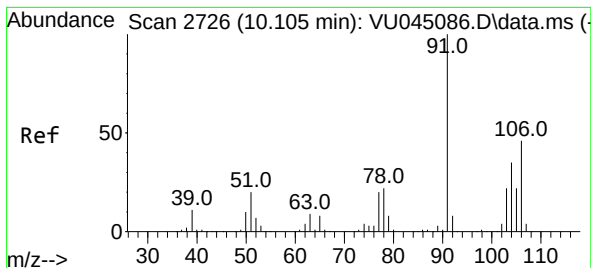
Tgt Ion: 91 Resp: 13512
Ion Ratio Lower Upper
91 100
106 27.1 21.2 39.4



#53
m,p-Xylene
Concen: 1.207 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.004 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

Tgt Ion:106 Resp: 4997
Ion Ratio Lower Upper
106 100
91 197.7 146.7 272.4





#54

o-xylene

Concen: 0.722 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. 0.000 min

Lab File: VU045097.D

Acq: 04 Oct 2021 15:35

Tgt Ion:106 Resp: 2938

Ion Ratio Lower Upper

106 100

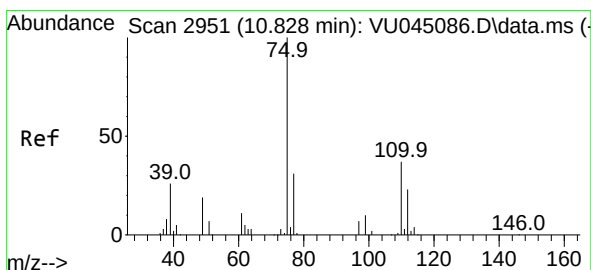
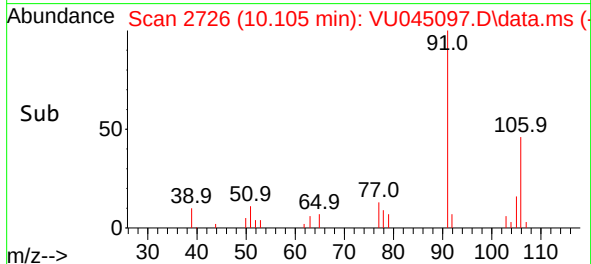
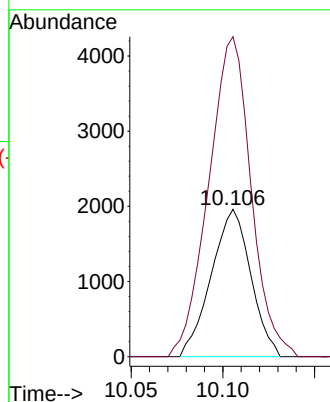
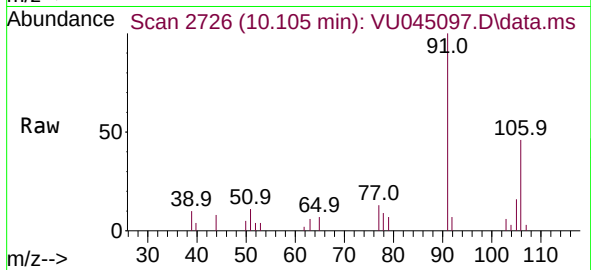
91 217.2 152.9 283.9

Instrument :

MSVOA_U

ClientSampleId :

F4A17



#60

1,2,3-Trichloropropane

Concen: 4.809 ug/L

RT: 11.813 min Scan# 3257

Delta R.T. 0.984 min

Lab File: VU045097.D

Acq: 04 Oct 2021 15:35

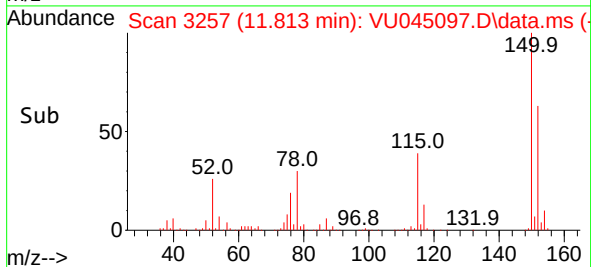
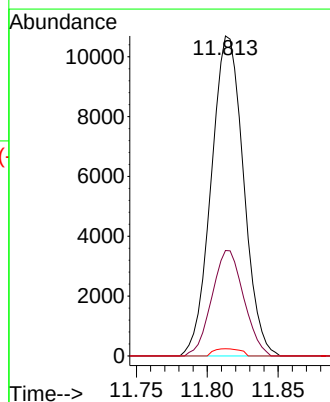
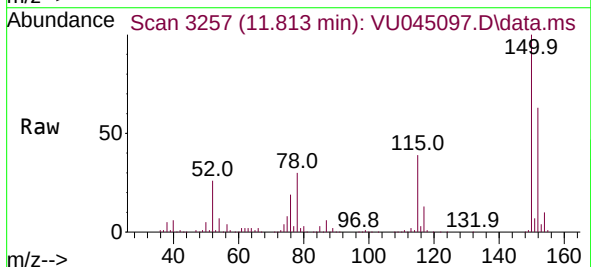
Tgt Ion: 75 Resp: 16951

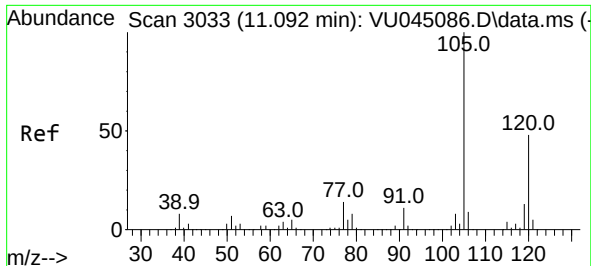
Ion Ratio Lower Upper

75 100

77 32.5 25.5 38.3

110 1.8 29.0 43.4#

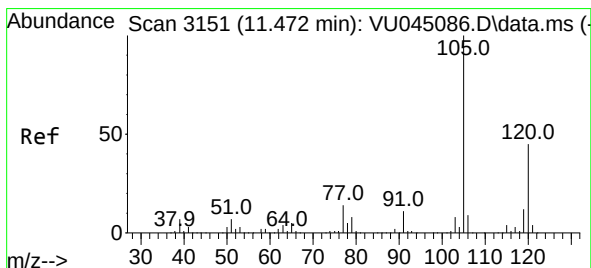
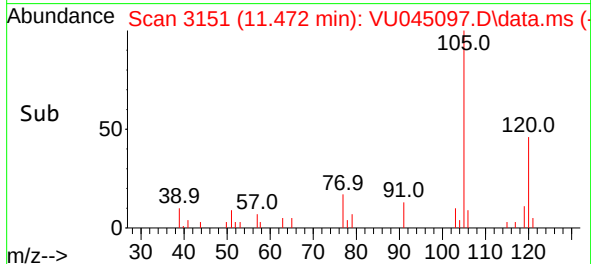
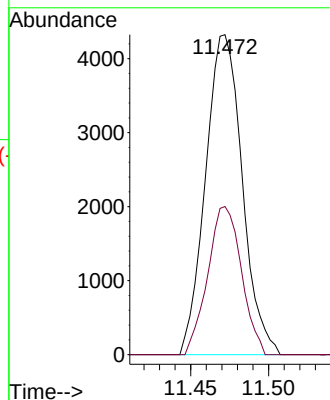
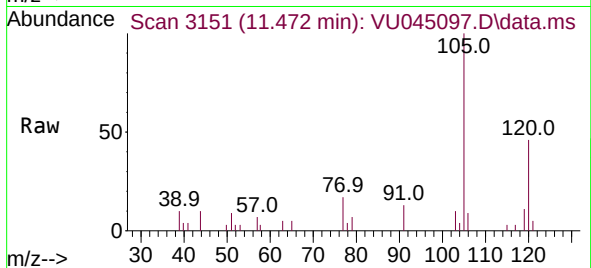




#62
1,3,5-Trimethylbenzene
Concen: 0.910 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.380 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

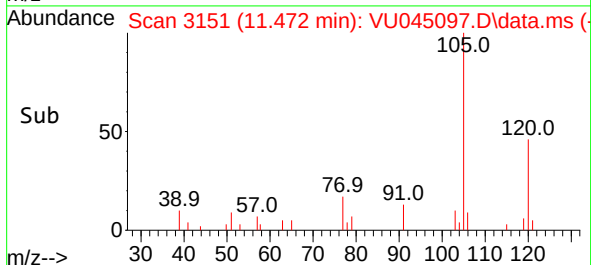
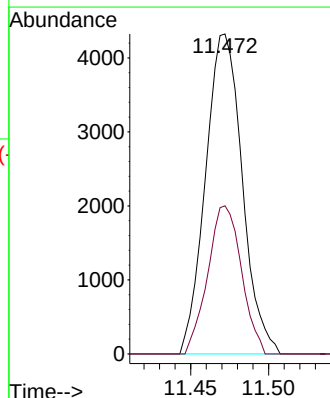
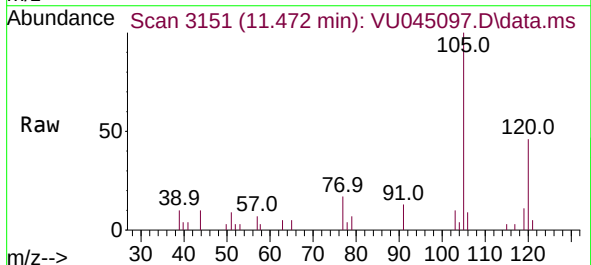
Instrument :
MSVOA_U
ClientSampleId :
F4A17

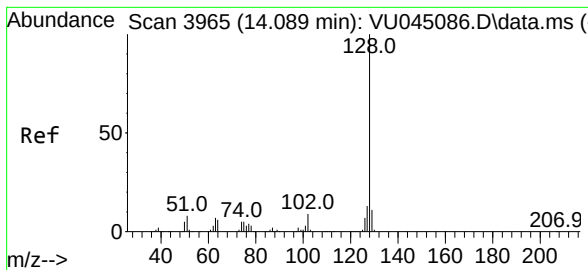
Tgt Ion:105 Resp: 7085
Ion Ratio Lower Upper
105 100
120 42.5 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 0.888 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

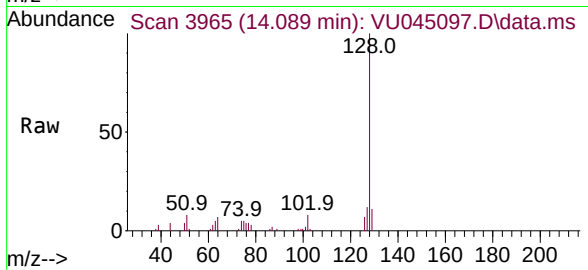
Tgt Ion:105 Resp: 7085
Ion Ratio Lower Upper
105 100
120 42.5 35.7 53.5





#71
Naphthalene
Concen: 3.050 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU045097.D
Acq: 04 Oct 2021 15:35

Instrument :
MSVOA_U
ClientSampleId :
F4A17



Tgt Ion:	128	Resp:	26271
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.4	15.6
129	10.4	8.8	13.2

