

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
 Data File : VU046100.D
 Acq On : 04 Dec 2021 17:51
 Operator : SY/MD
 Sample : M4942-02
 Misc : 6.95g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 05 08:16:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	259185	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	255786	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	134863	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	116360	54.500	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 109.000%	
7) Chloroethane-d5	1.916	69	81866	49.941	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 99.880%	
11) 1,1-Dichloroethene-d2	2.546	63	126141	32.911	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	= 65.820%	
21) 2-Butanone-d5	4.658	46	196218	115.610	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	= 115.610%	
24) Chloroform-d	5.063	84	226552	63.542	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 127.080%#	
26) 1,2-Dichloroethane-d4	5.703	65	152265	63.635	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 127.280%#	
32) Benzene-d6	5.723	84	509995	69.564	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 139.120%#	
36) 1,2-Dichloropropane-d6	6.690	67	155381	68.387	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 136.780%#	
41) Toluene-d8	7.899	98	488459	73.176	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 146.360%#	
43) trans-1,3-Dichloroprop...	8.182	79	81389	74.205	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 148.420%#	
47) 2-Hexanone-d5	8.687	63	157727	146.412	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	= 146.410%#	
56) 1,1,2,2-Tetrachloroeth...	10.774	84	222622	64.608	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	= 129.220%#	
66) 1,2-Dichlorobenzene-d4	12.201	152	191950	73.906	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 147.820%#	
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	1077	0.571	ug/L #	21
12) 1,1-Dichloroethene	2.546	96	993	0.554	ug/L #	1
37) 1,2-Dichloropropane	6.690	63	16174	7.975	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	4775	1.548	ug/L #	62
42) Toluene	7.973	91	9907	1.193	ug/L	97
44) trans-1,3-Dichloropropene	8.186	75	3355	1.107	ug/L	85
48) 2-Hexanone	8.684	43	20814	7.811	ug/L #	50
52) Ethylbenzene	9.575	91	47748	5.341	ug/L	98
53) m,p-Xylene	9.700	106	42990	12.330	ug/L	97
54) o-xylene	10.108	106	30112	8.901	ug/L	94
61) Isopropylbenzene	10.494	105	12901	1.470	ug/L	96
62) 1,3,5-Trimethylbenzene	11.095	105	56697	7.752	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	181730	24.835	ug/L	98
67) 1,2-Dichlorobenzene	12.218	146	3939	0.938	ug/L #	64
68) 1,2-Dibromo-3-chloropr...	13.034	75	7345	9.326	ug/L #	5
70) 1,2,4-trichlorobenzene	13.841	180	3232	1.199	ug/L #	71
71) Naphthalene	14.095	128	13795598	1471.013	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

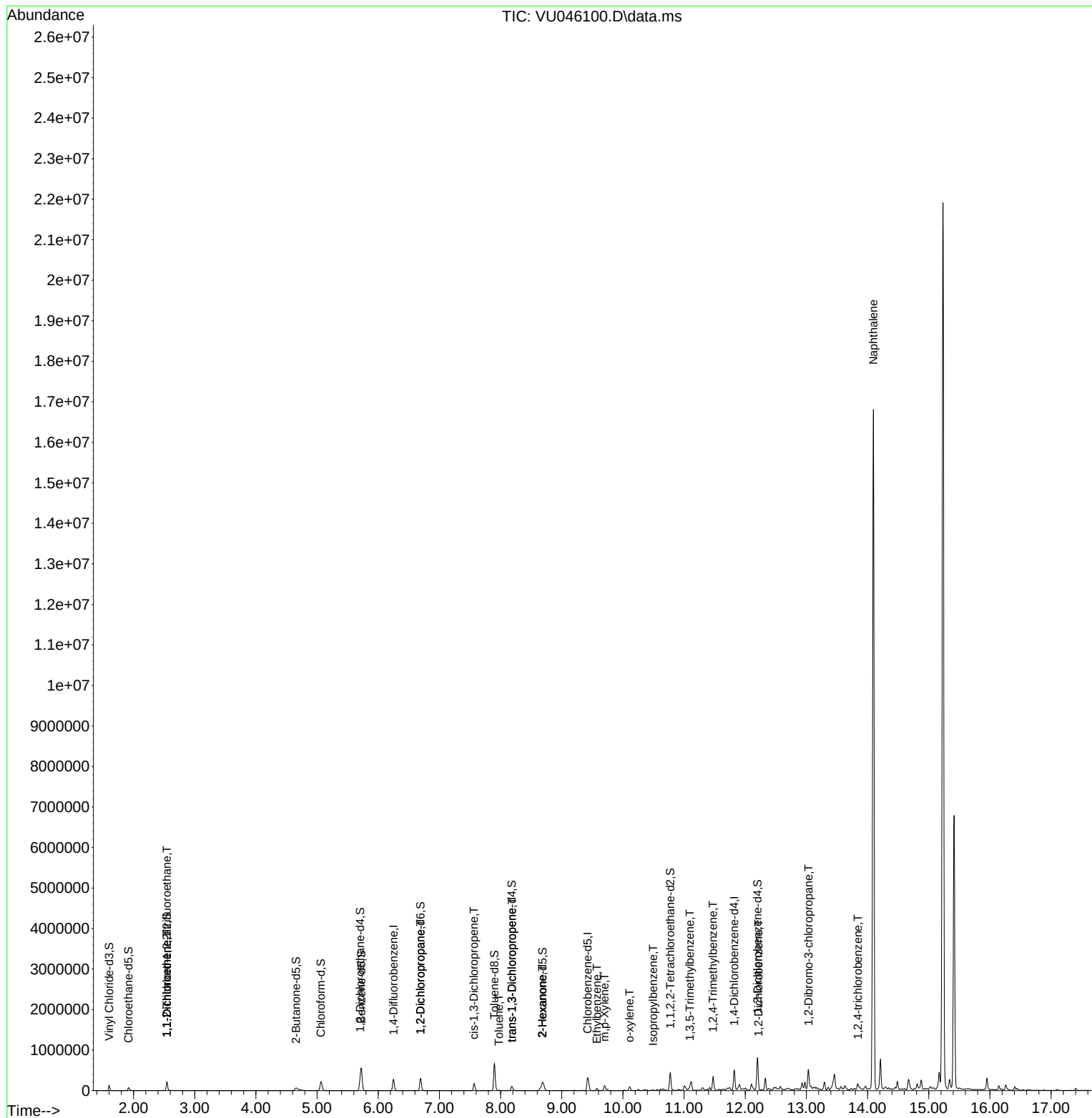
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

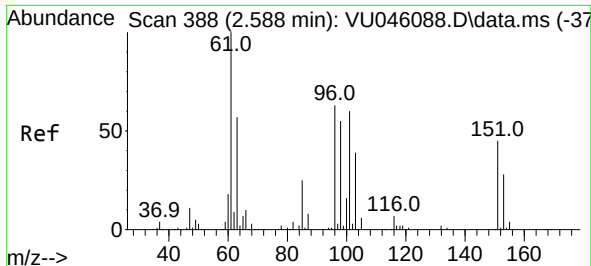
(#)= qualifier out of range (m) = manual integration (+) = signals summed						

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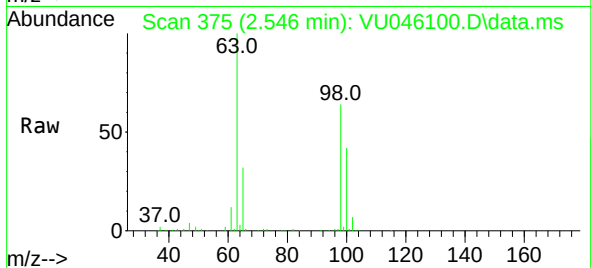
Quant Time: Dec 05 08:16:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
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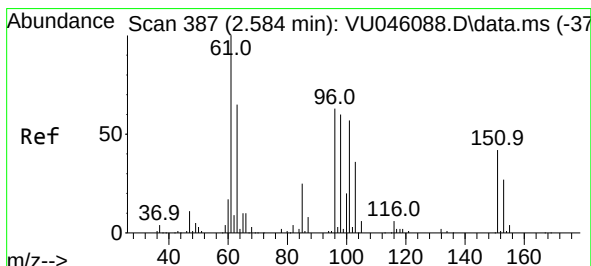
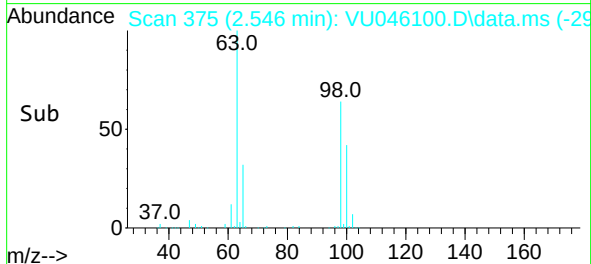
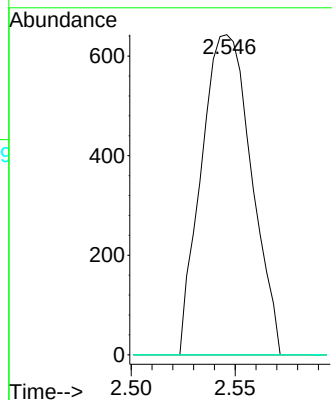


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.571 ug/L
 RT: 2.546 min Scan# 375
 Delta R.T. -0.042 min
 Lab File: VU046100.D
 Acq: 04 Dec 2021 17:51

Instrument :
 MSVOA_U
 ClientSampleId :

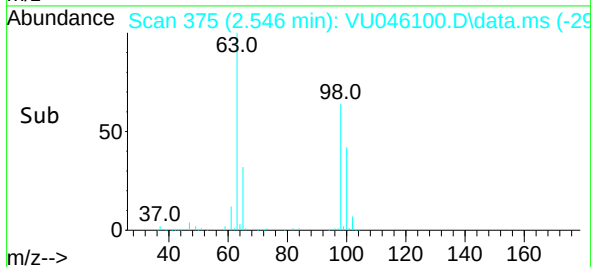
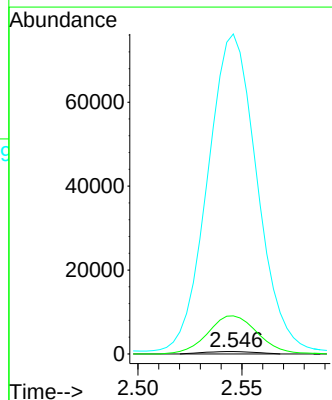
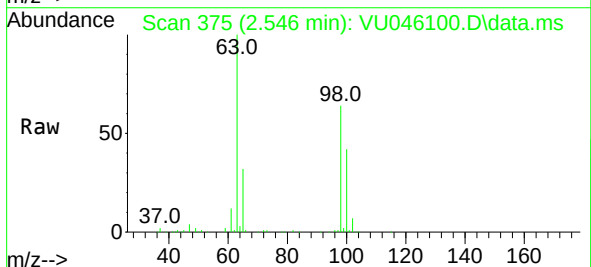


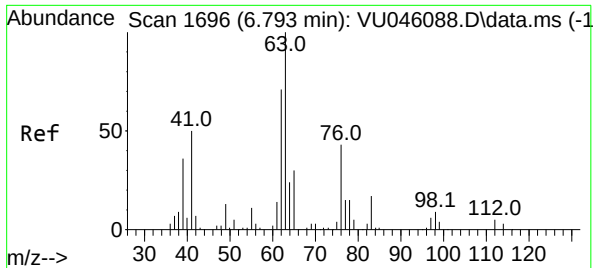
Tgt Ion:101 Resp: 1077
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.554 ug/L
 RT: 2.546 min Scan# 375
 Delta R.T. -0.039 min
 Lab File: VU046100.D
 Acq: 04 Dec 2021 17:51

Tgt Ion: 96 Resp: 993
 Ion Ratio Lower Upper
 96 100
 61 1559.9 118.6 220.2#
 63 13081.3 93.0 172.8#





#37

1,2-Dichloropropane

Concen: 7.975 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046100.D

Acq: 04 Dec 2021 17:51

Instrument :

MSVOA_U

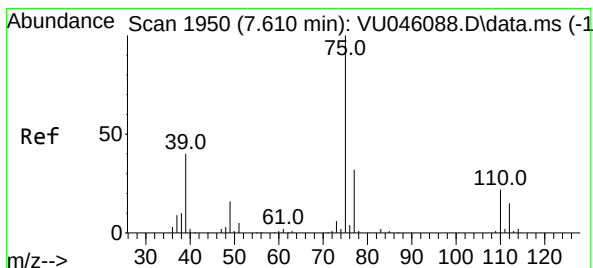
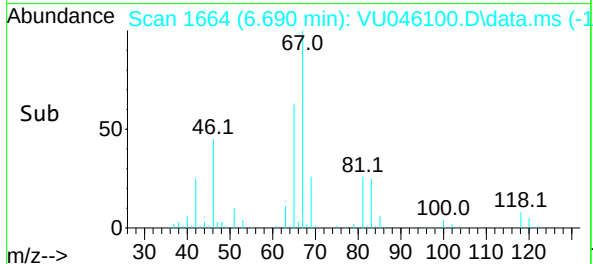
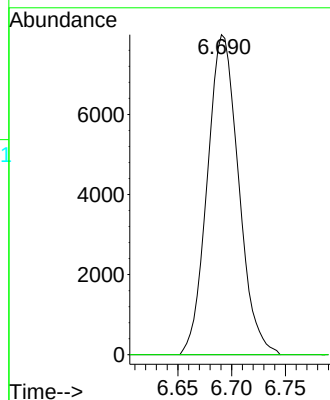
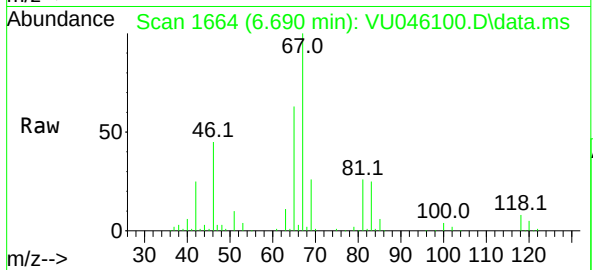
ClientSampleId :

Tgt Ion: 63 Resp: 16174

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.548 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046100.D

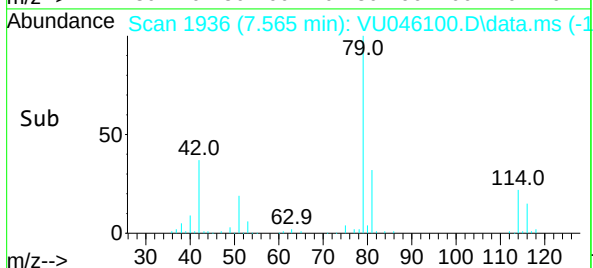
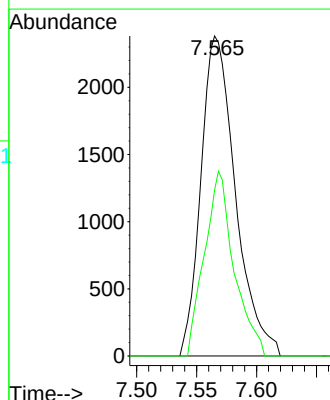
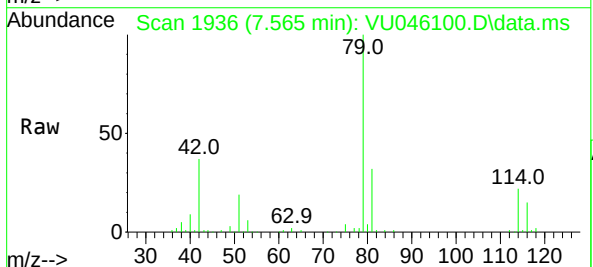
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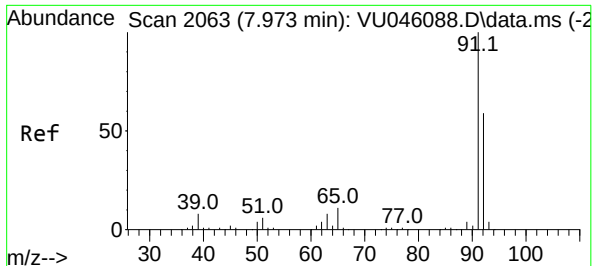
Tgt Ion: 75 Resp: 4775

Ion Ratio Lower Upper

75 100

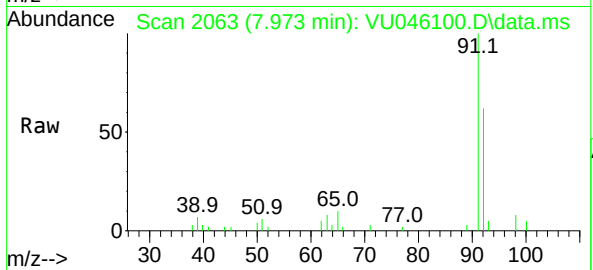
77 51.9 21.8 40.6#



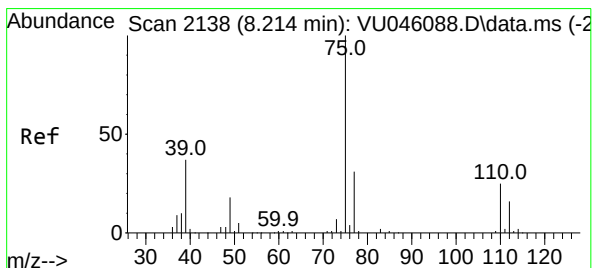
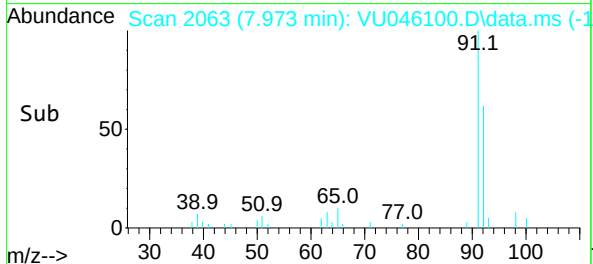
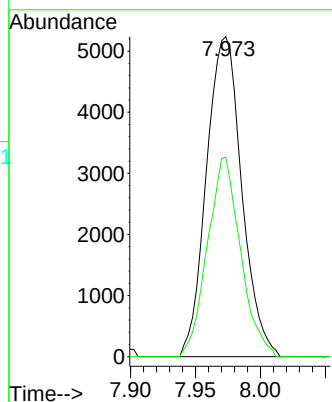


#42
Toluene
Concen: 1.193 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Instrument :
MSVOA_U
ClientSampleId :

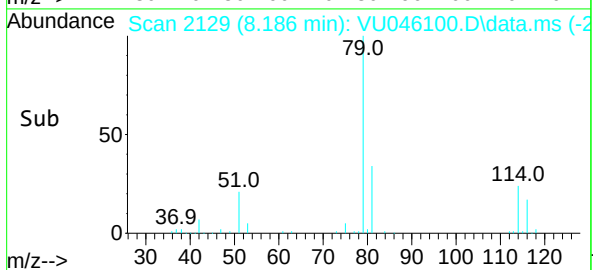
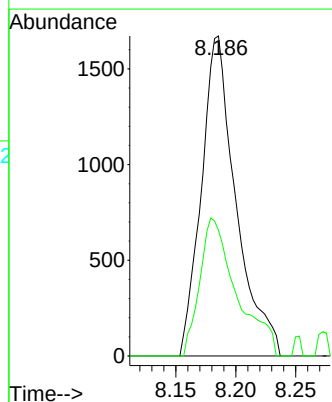
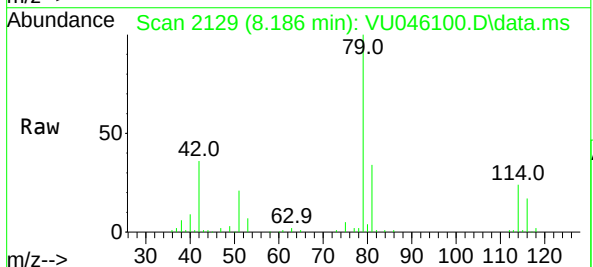


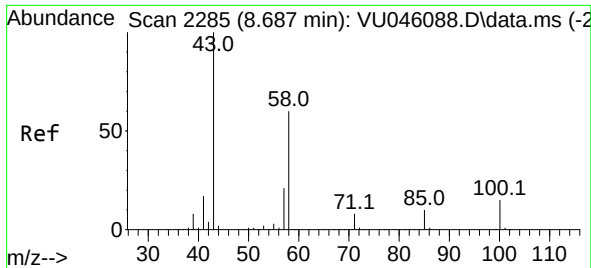
Tgt Ion: 91 Resp: 9907
Ion Ratio Lower Upper
91 100
92 62.4 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 1.107 ug/L
RT: 8.186 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

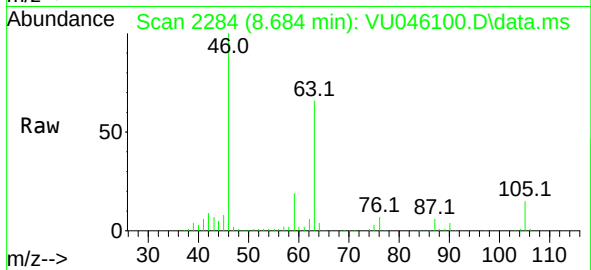
Tgt Ion: 75 Resp: 3355
Ion Ratio Lower Upper
75 100
77 39.3 21.7 40.3



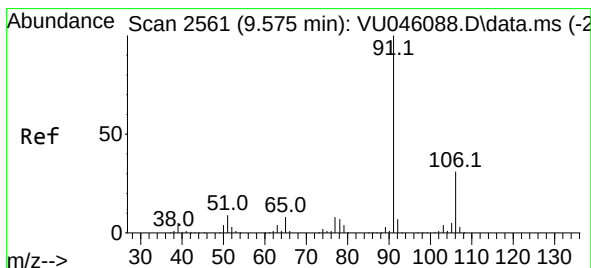
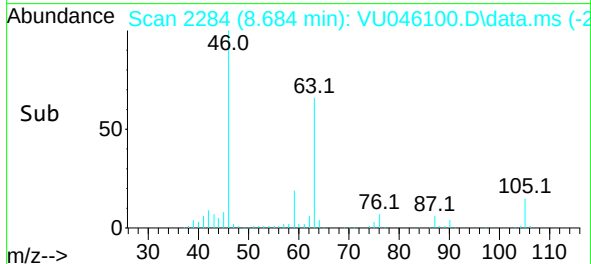
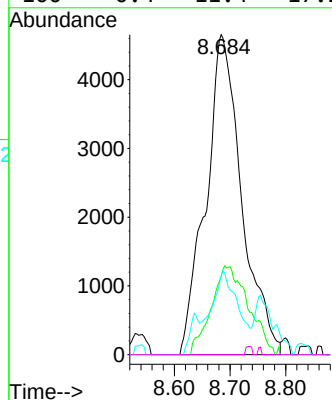


#48
2-Hexanone
Concen: 7.811 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Instrument :
MSVOA_U
ClientSampleId :

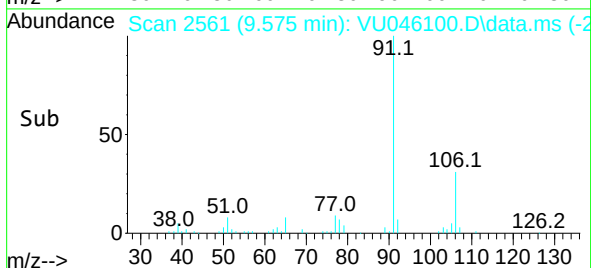
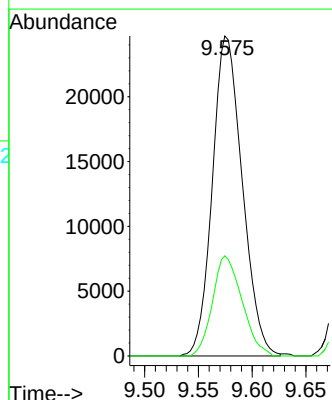
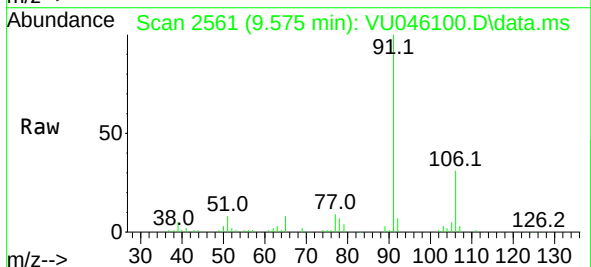


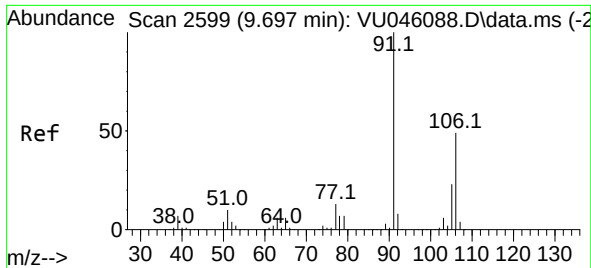
Tgt Ion: 43	Resp: 20814
Ion Ratio	Lower Upper
43	100
58	12.4 47.4 71.2#
57	8.9 16.6 25.0#
100	0.4 11.4 17.2#



#52
Ethylbenzene
Concen: 5.341 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Tgt Ion: 91	Resp: 47748
Ion Ratio	Lower Upper
91	100
106	31.3 21.1 39.3

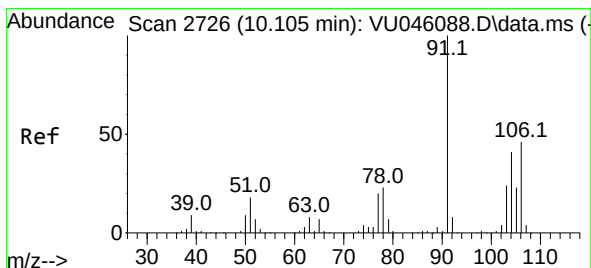
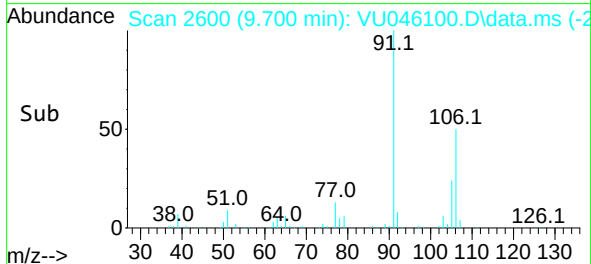
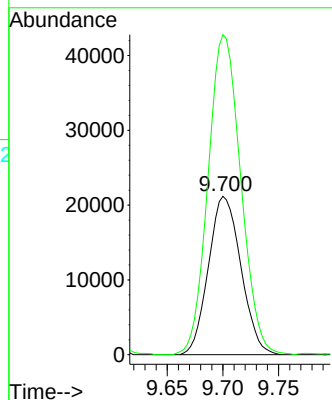
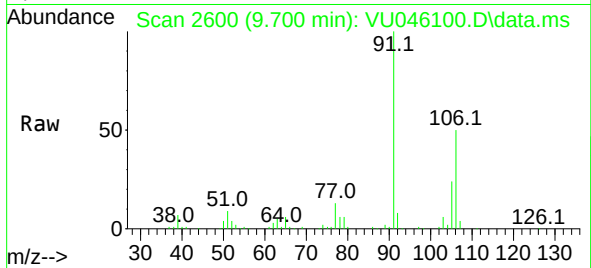




#53
m,p-Xylene
Concen: 12.330 ug/L
RT: 9.700 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

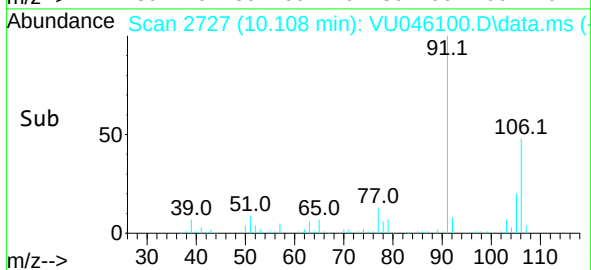
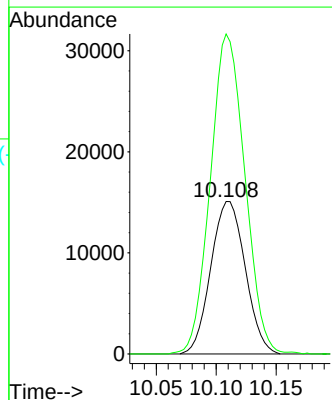
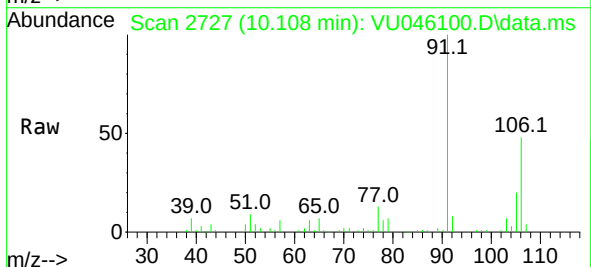
Instrument :
MSVOA_U
ClientSampleId :

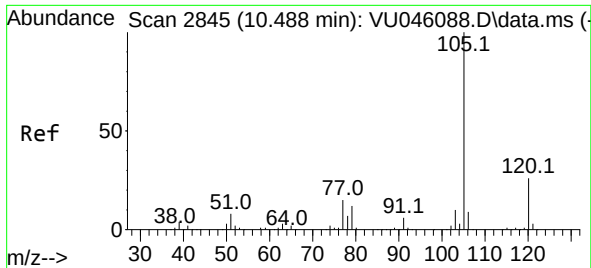
Tgt Ion:106 Resp: 42990
Ion Ratio Lower Upper
106 100
91 202.0 144.3 268.1



#54
o-xylene
Concen: 8.901 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.003 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Tgt Ion:106 Resp: 30112
Ion Ratio Lower Upper
106 100
91 209.9 154.2 286.4

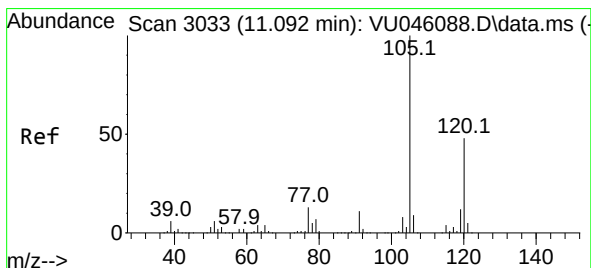
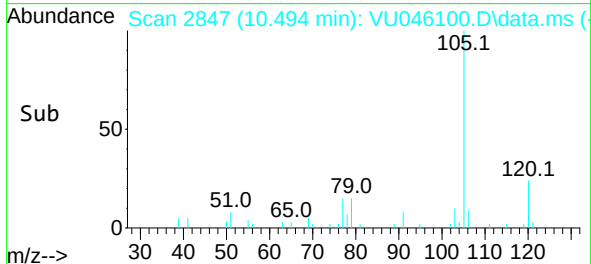
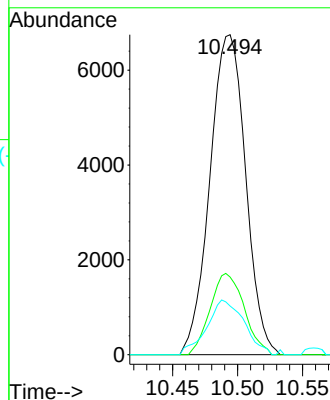
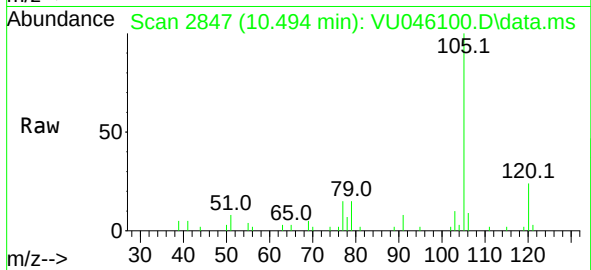




#61
Isopropylbenzene
Concen: 1.470 ug/L
RT: 10.494 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

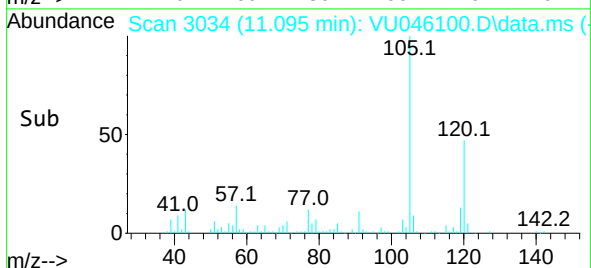
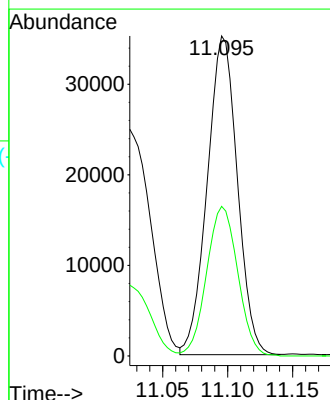
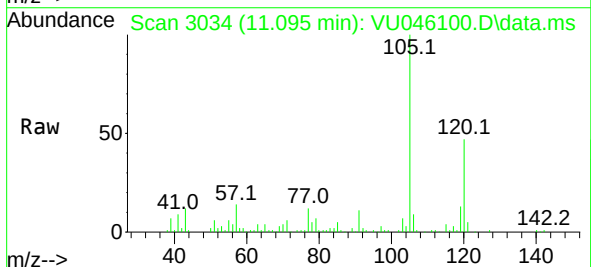
Instrument :
MSVOA_U
ClientSampleId :

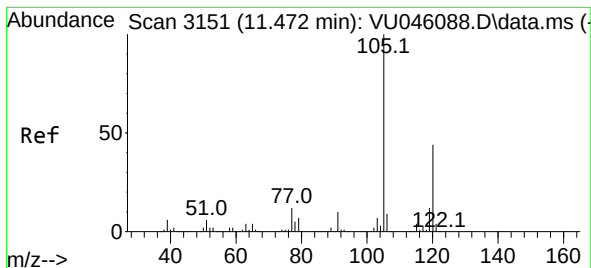
Tgt Ion:105 Resp: 12901
Ion Ratio Lower Upper
105 100
120 24.3 20.7 31.1
77 17.8 12.2 18.4



#62
1,3,5-Trimethylbenzene
Concen: 7.752 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. 0.003 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Tgt Ion:105 Resp: 56697
Ion Ratio Lower Upper
105 100
120 48.5 37.8 56.6





#63

1,2,4-Trimethylbenzene

Concen: 24.835 ug/L

RT: 11.475 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU046100.D

Acq: 04 Dec 2021 17:51

Instrument :

MSVOA_U

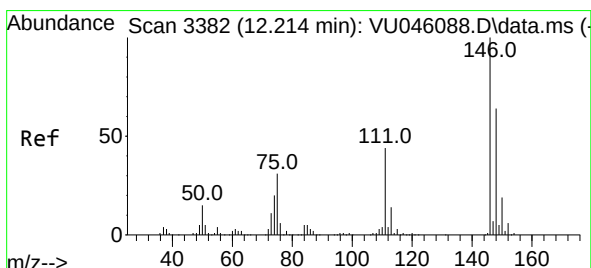
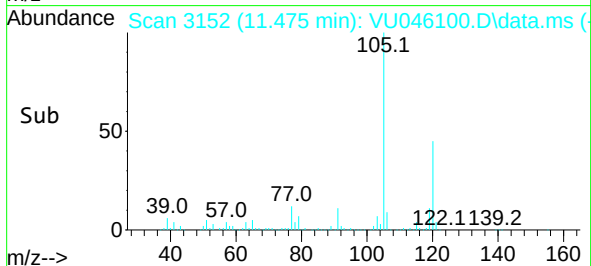
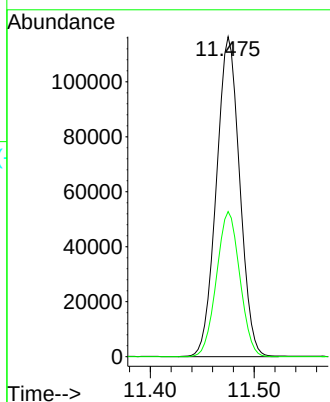
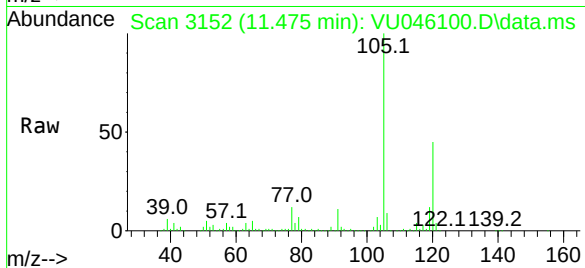
ClientSampleId :

Tgt Ion:105 Resp: 181730

Ion Ratio Lower Upper

105 100

120 45.3 35.2 52.8



#67

1,2-Dichlorobenzene

Concen: 0.938 ug/L

RT: 12.218 min Scan# 3383

Delta R.T. 0.003 min

Lab File: VU046100.D

Acq: 04 Dec 2021 17:51

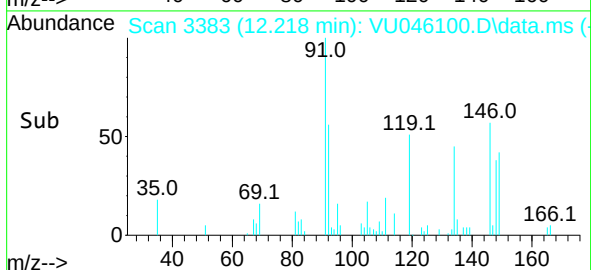
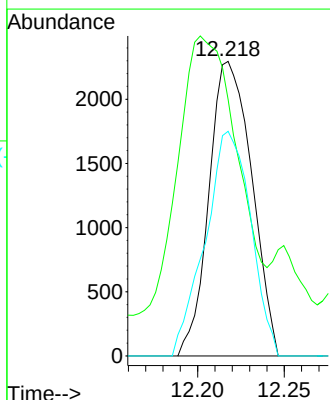
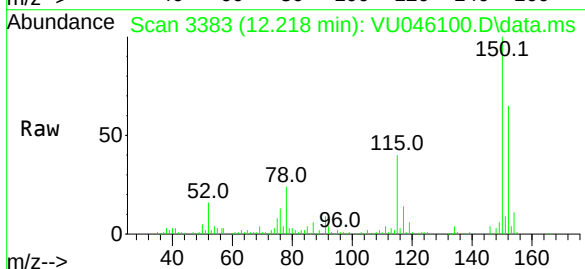
Tgt Ion:146 Resp: 3939

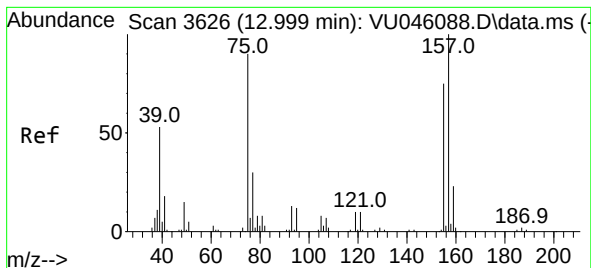
Ion Ratio Lower Upper

146 100

111 87.1 35.7 53.5#

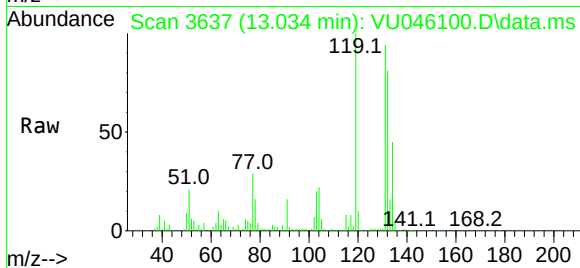
148 76.3 51.2 76.8



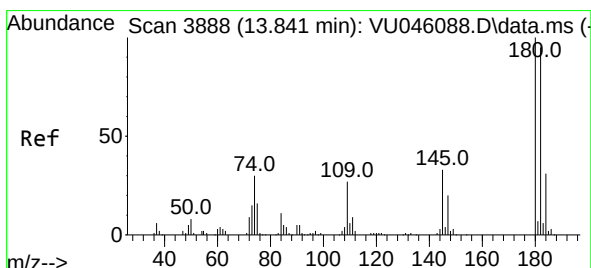
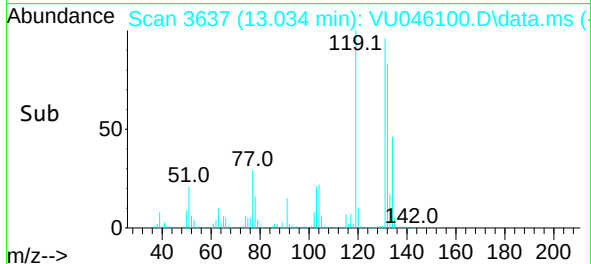
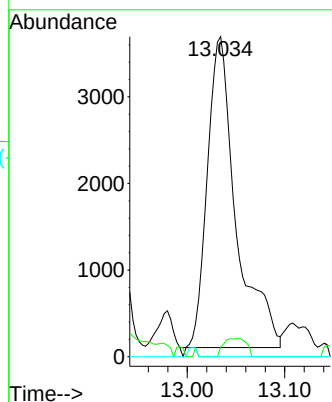


#68
 1,2-Dibromo-3-chloropropane
 Concen: 9.326 ug/L
 RT: 13.034 min Scan# 3637
 Delta R.T. 0.035 min
 Lab File: VU046100.D
 Acq: 04 Dec 2021 17:51

Instrument :
 MSVOA_U
 ClientSampleId :

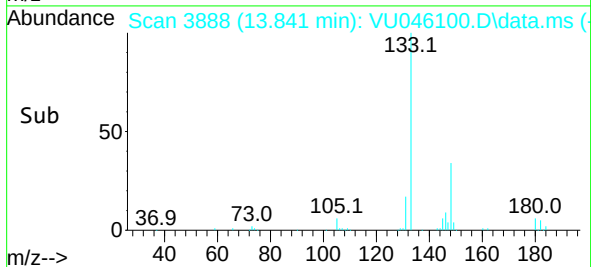
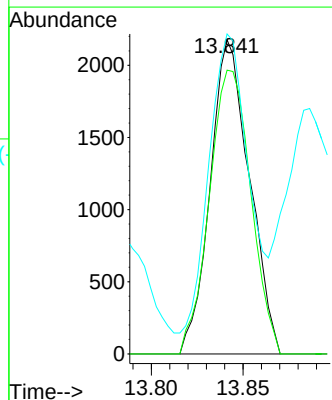
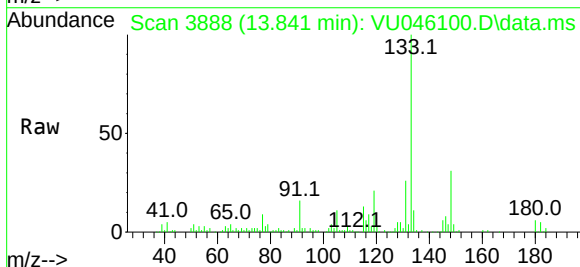


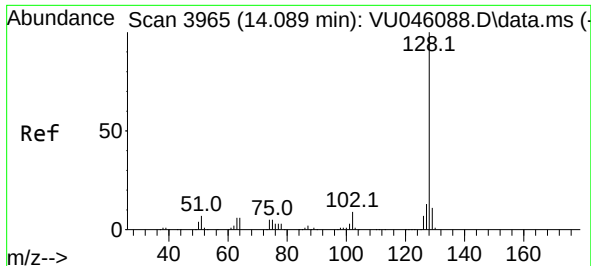
Tgt Ion: 75 Resp: 7345
 Ion Ratio Lower Upper
 75 100
 155 3.1 64.9 97.3#
 157 0.0 81.9 122.9#



#70
 1,2,4-trichlorobenzene
 Concen: 1.199 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046100.D
 Acq: 04 Dec 2021 17:51

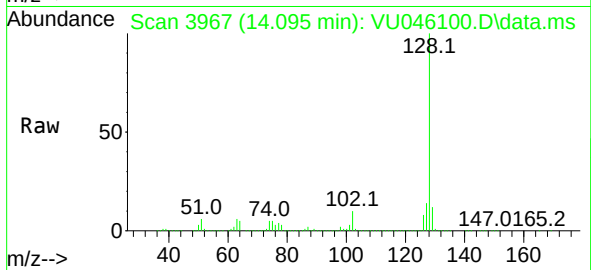
Tgt Ion: 180 Resp: 3232
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.7 115.1
 145 95.8 26.0 39.0#





#71
Naphthalene
Concen: 1471.013 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.006 min
Lab File: VU046100.D
Acq: 04 Dec 2021 17:51

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp:13795598
Ion Ratio Lower Upper
128 100
127 13.3 10.1 15.1
129 11.3 8.6 13.0

