

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
 Data File : VU046096.D
 Acq On : 04 Dec 2021 16:21
 Operator : SY/MD
 Sample : M4942-08
 Misc : 6.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 05 08:16:20 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	260909	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	259066	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	127317	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	73036	33.982	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	67.960%		
7) Chloroethane-d5	1.916	69	50427	30.559	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	61.120%#		
11) 1,1-Dichloroethene-d2	2.543	63	91852	23.807	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	47.620%#		
21) 2-Butanone-d5	4.658	46	118416	69.308	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	69.310%		
24) Chloroform-d	5.063	84	142813	39.791	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.580%		
26) 1,2-Dichloroethane-d4	5.703	65	95887	39.809	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.620%		
32) Benzene-d6	5.722	84	318761	42.929	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.860%		
36) 1,2-Dichloropropane-d6	6.690	67	98396	42.758	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.520%		
41) Toluene-d8	7.899	98	303294	44.861	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.720%		
43) trans-1,3-Dichloroprop...	8.182	79	50225	45.212	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.420%		
47) 2-Hexanone-d5	8.684	63	94747	86.837	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery =	86.840%		
56) 1,1,2,2-Tetrachloroeth...	10.774	84	135191	38.738	ug/L	0.02
Spiked Amount 50.000	Range 65 - 120		Recovery =	77.480%		
66) 1,2-Dichlorobenzene-d4	12.201	152	109859	44.806	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.620%		
Target Compounds					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.539	101	862	0.454	ug/L #	21
12) 1,1-Dichloroethene	2.539	96	739	0.410	ug/L #	1
35) Methylcyclohexane	6.751	83	3193	0.997	ug/L #	80
37) 1,2-Dichloropropane	6.690	63	10353	5.040	ug/L	97
39) cis-1,3-Dichloropropene	7.565	75	2640	0.845	ug/L #	75
45) 1,1,2-Trichloroethane	8.365	97	1820	0.883	ug/L #	25
52) Ethylbenzene	9.578	91	905655	100.020	ug/L	98
53) m,p-Xylene	9.700	106	1080143	305.883	ug/L	98
54) o-xylene	10.111	106	238768	69.684	ug/L	96
55) Styrene	10.111	104	11817	2.020	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.809	83	3180	0.900	ug/L #	62
61) Isopropylbenzene	10.494	105	90477	10.922	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	414543	60.039	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	1419844	205.537	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.034	75	3264	4.390	ug/L #	10
70) 1,2,4-trichlorobenzene	13.844	180	5895	2.317	ug/L #	83
71) Naphthalene	14.089	128	1759562	198.741	ug/L	100

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
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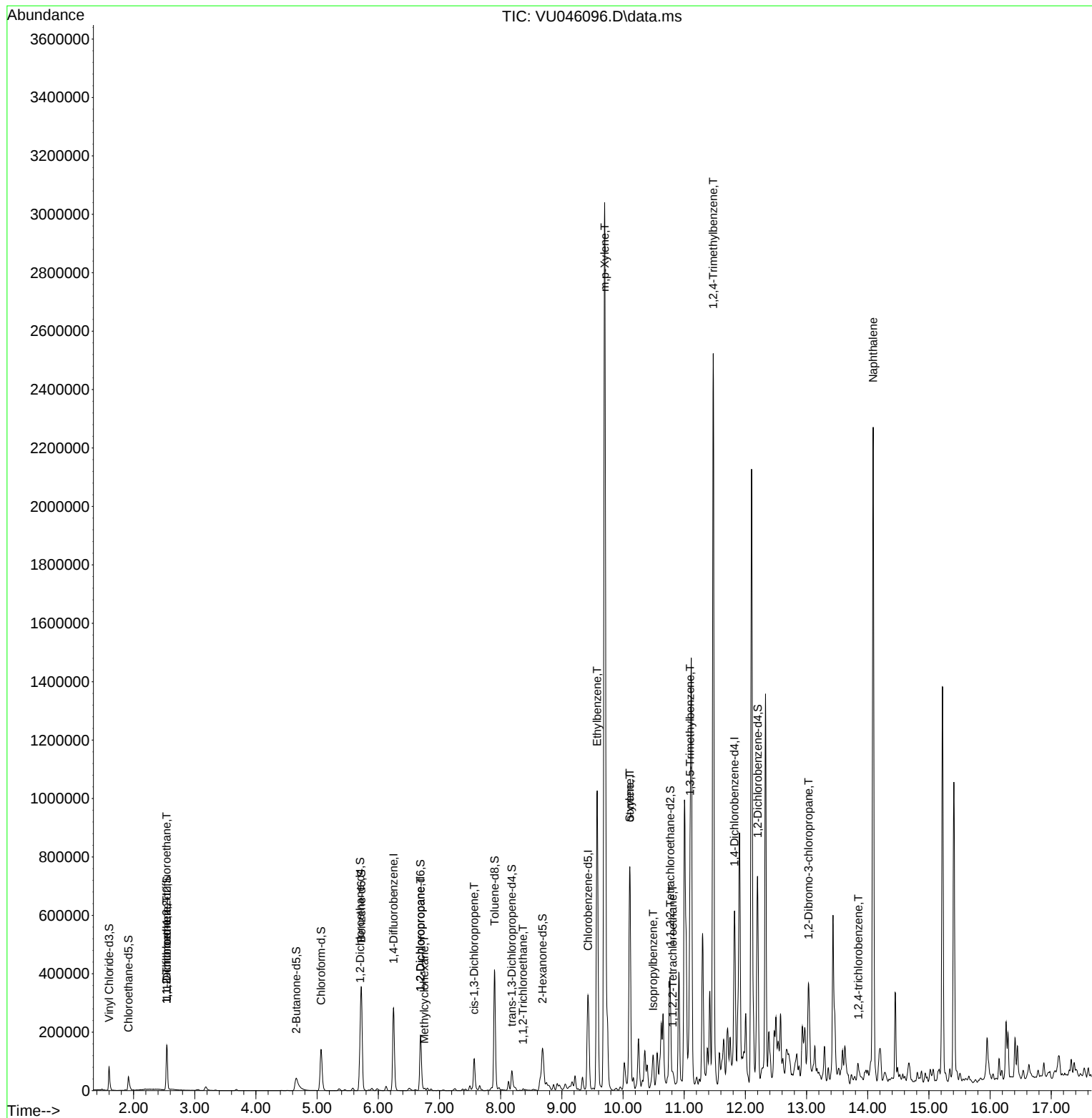
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

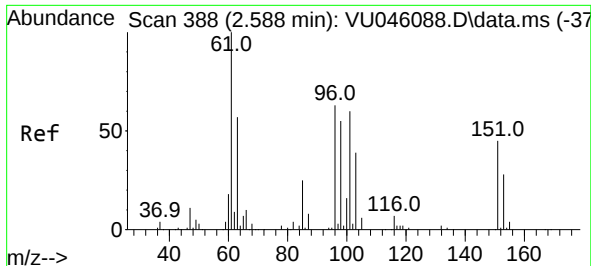
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.454 ug/L

RT: 2.539 min Scan# 31

Delta R.T. -0.048 min

Lab File: VU046096.D

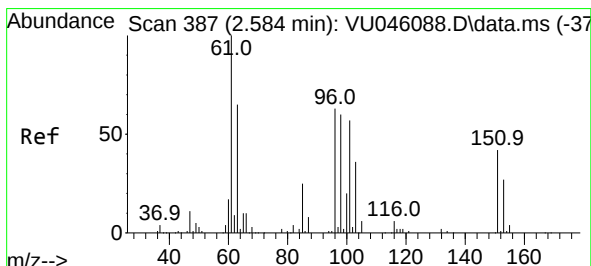
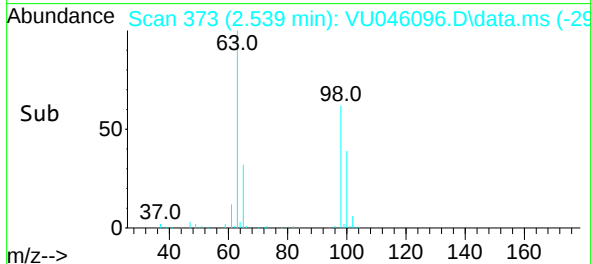
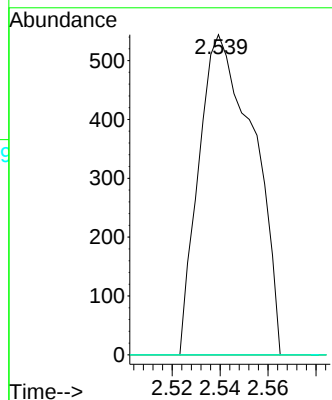
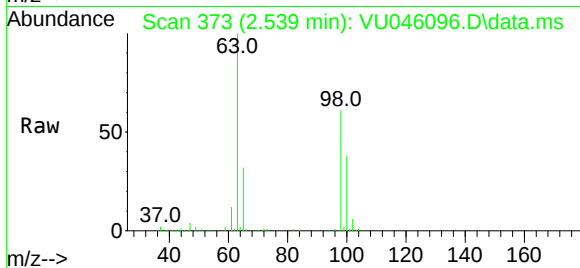
Acq: 04 Dec 2021 16:21

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:101	Resp:	862
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: 0.410 ug/L

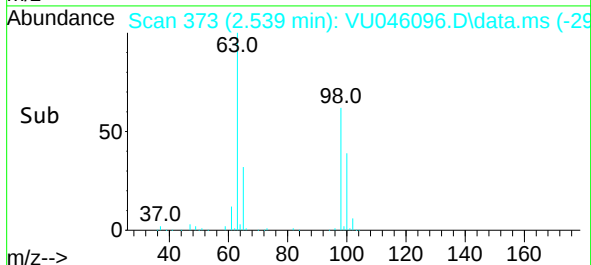
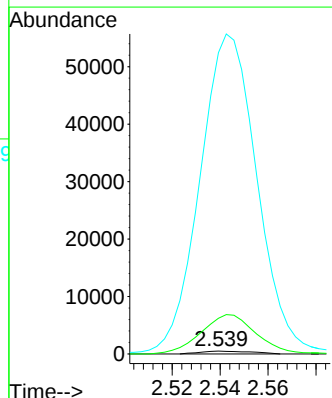
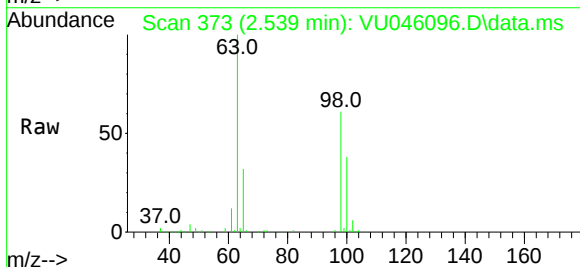
RT: 2.539 min Scan# 373

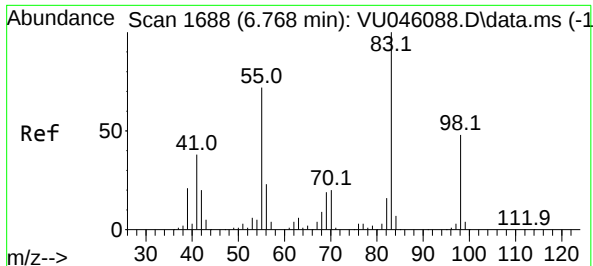
Delta R.T. -0.045 min

Lab File: VU046096.D

Acq: 04 Dec 2021 16:21

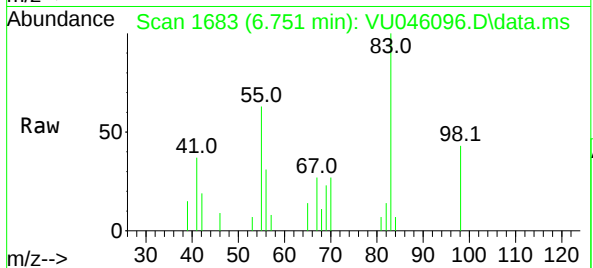
Tgt Ion: 96	Resp:	739
Ion Ratio	Lower	Upper
96	100	
61	1272.2	118.6 220.2#
63	10725.6	93.0 172.8#



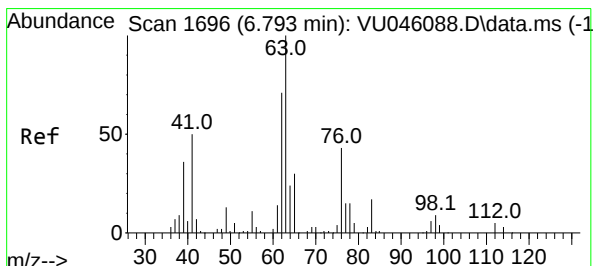
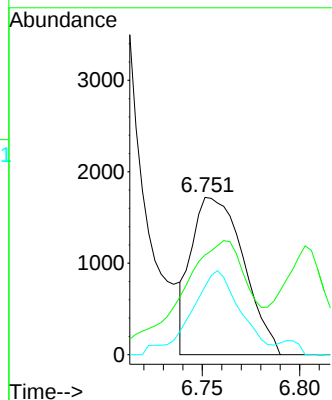
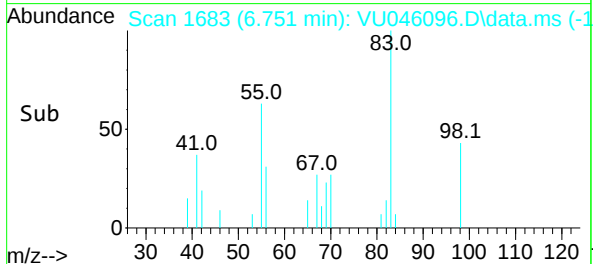


#35
Methylcyclohexane
Concen: 0.997 ug/L
RT: 6.751 min Scan# 1
Delta R.T. -0.016 min
Lab File: VU046096.D
Acq: 04 Dec 2021 16:21

Instrument :
MSVOA_U
ClientSampleId :

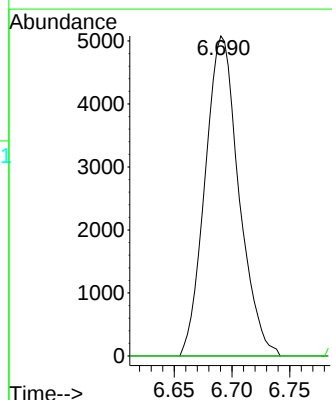
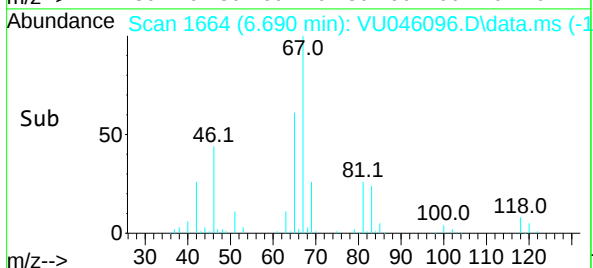
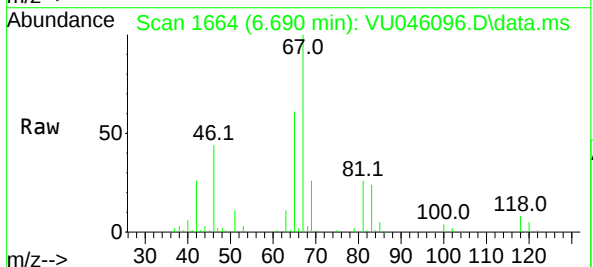


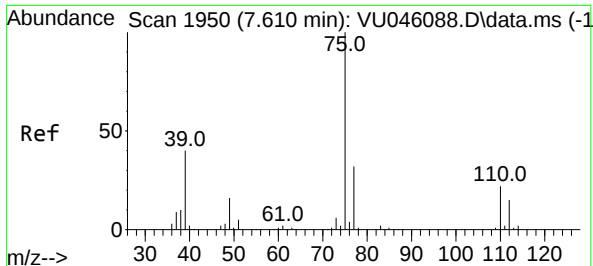
Tgt Ion: 83 Resp: 3193
Ion Ratio Lower Upper
83 100
55 94.3 57.8 86.6#
98 41.8 38.4 57.6



#37
1,2-Dichloropropane
Concen: 5.040 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046096.D
Acq: 04 Dec 2021 16:21

Tgt Ion: 63 Resp: 10353
Ion Ratio Lower Upper
63 100
112 3.8 3.8 5.6





#39

cis-1,3-Dichloropropene

Concen: 0.845 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU046096.D

Acq: 04 Dec 2021 16:21

Instrument :

MSVOA_U

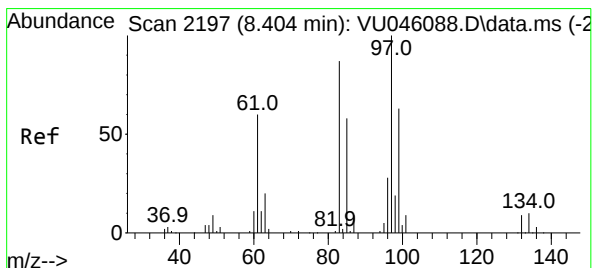
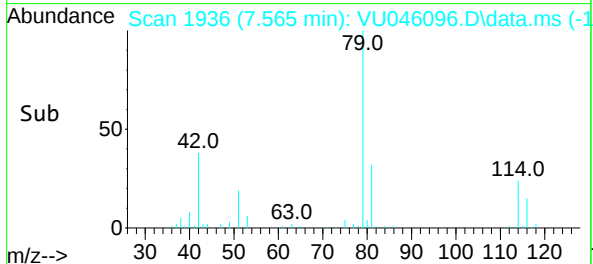
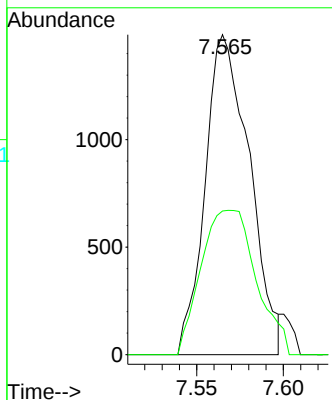
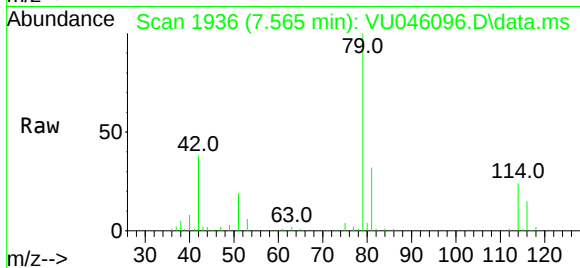
ClientSampleId :

Tgt Ion: 75 Resp: 2640

Ion Ratio Lower Upper

75 100

77 44.9 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 0.883 ug/L

RT: 8.365 min Scan# 2185

Delta R.T. -0.039 min

Lab File: VU046096.D

Acq: 04 Dec 2021 16:21

Tgt Ion: 97 Resp: 1820

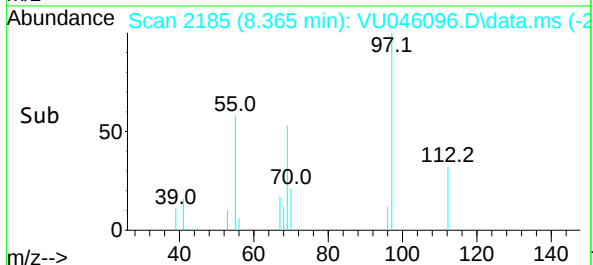
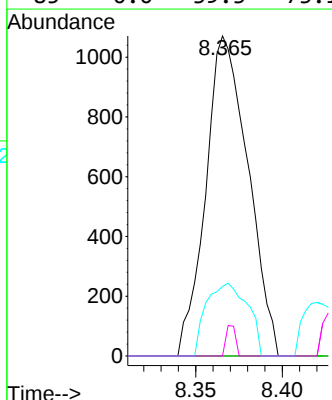
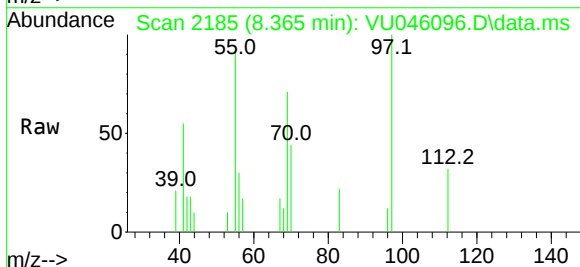
Ion Ratio Lower Upper

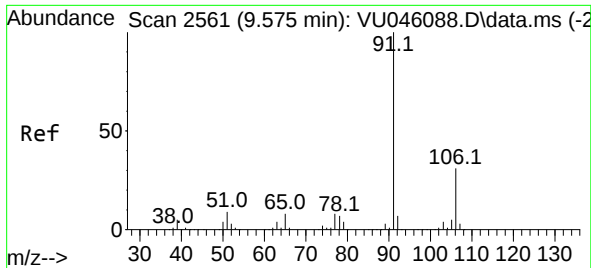
97 100

99 0.0 44.7 82.9#

83 21.8 60.2 111.8#

85 0.0 39.3 73.1#

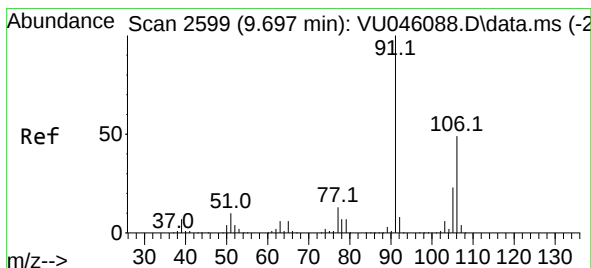
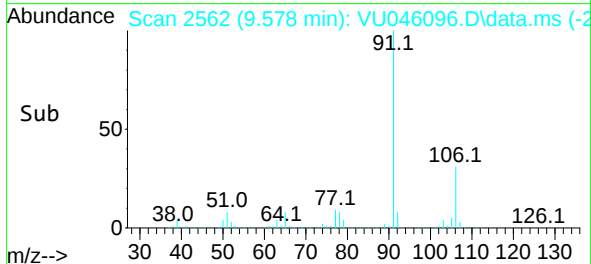
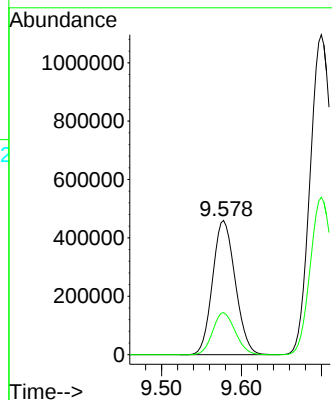
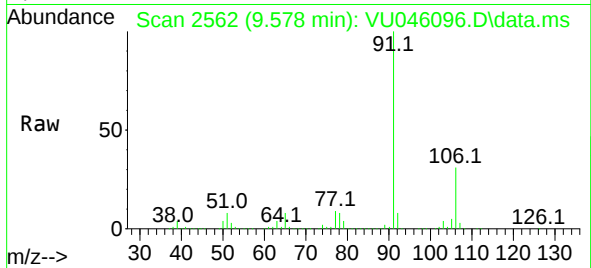




#52
Ethylbenzene
Concen: 100.020 ug/L
RT: 9.578 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046096.D
Acq: 04 Dec 2021 16:21

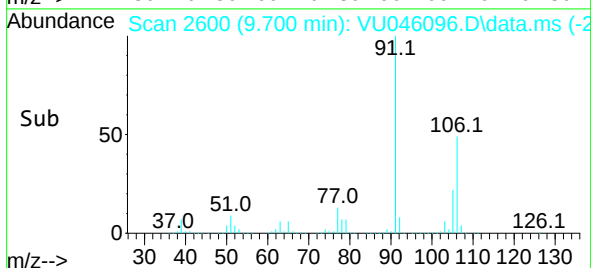
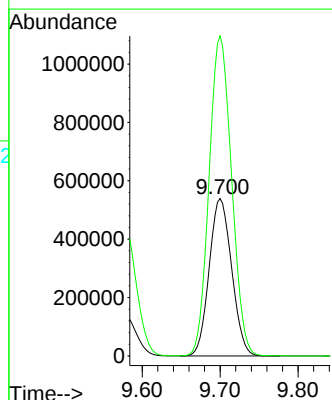
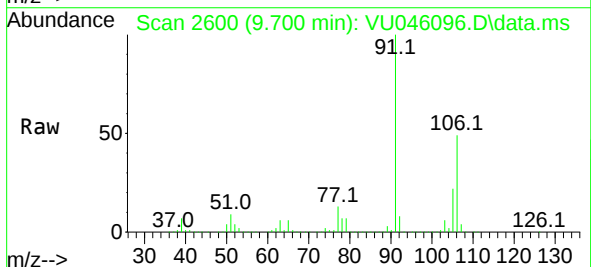
Instrument :
MSVOA_U
ClientSampleId :

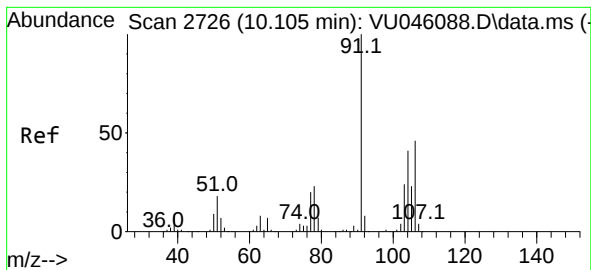
Tgt Ion: 91 Resp: 905655
Ion Ratio Lower Upper
91 100
106 31.4 21.1 39.3



#53
m,p-Xylene
Concen: 305.883 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.003 min
Lab File: VU046096.D
Acq: 04 Dec 2021 16:21

Tgt Ion:106 Resp: 1080143
Ion Ratio Lower Upper
106 100
91 203.2 144.3 268.1





#54

o-xylene

Concen: 69.684 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.006 min

Lab File: VU046096.D

Acq: 04 Dec 2021 16:21

Instrument :

MSVOA_U

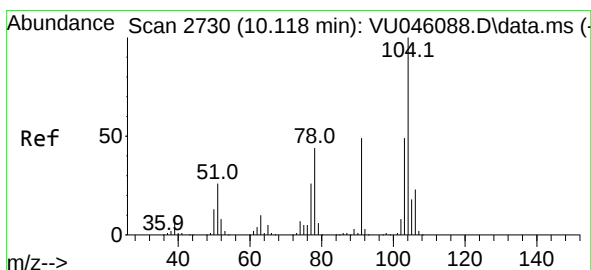
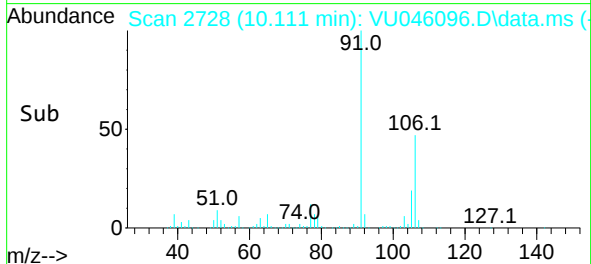
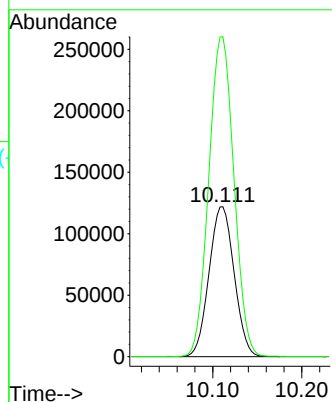
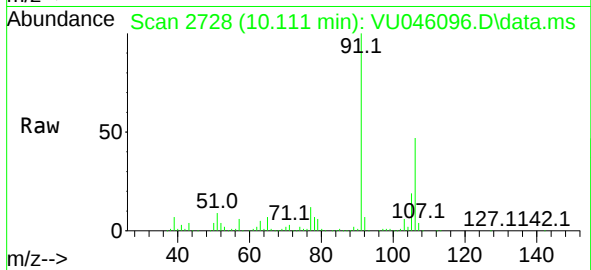
ClientSampleId :

Tgt Ion:106 Resp: 238768

Ion Ratio Lower Upper

106 100

91 213.4 154.2 286.4



#55

Styrene

Concen: 2.020 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.007 min

Lab File: VU046096.D

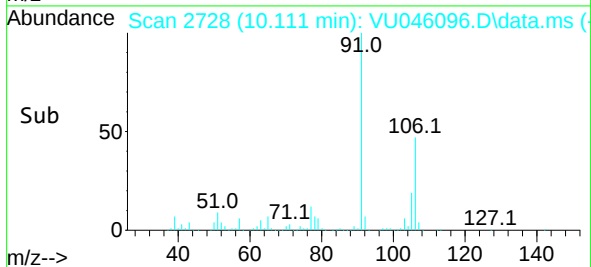
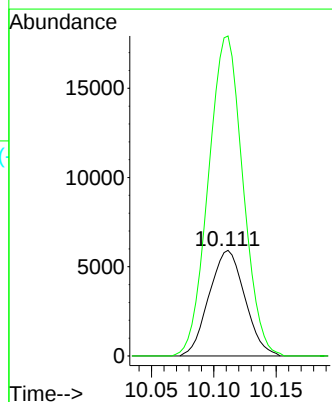
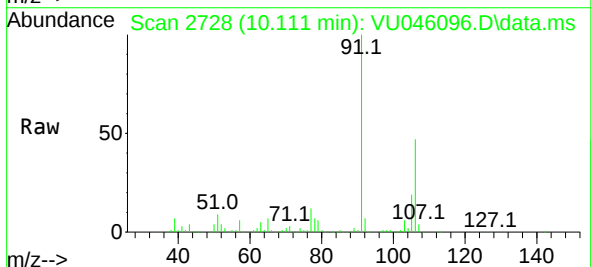
Acq: 04 Dec 2021 16:21

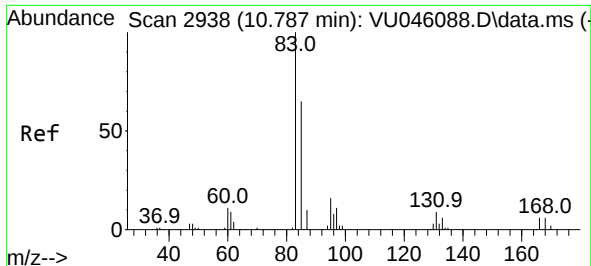
Tgt Ion:104 Resp: 11817

Ion Ratio Lower Upper

104 100

78 303.2 32.6 60.5#





#57

1,1,2,2-Tetrachloroethane

Concen: 0.900 ug/L

RT: 10.809 min Scan# 2938

Delta R.T. 0.022 min

Lab File: VU046096.D

Acq: 04 Dec 2021 16:21

Instrument :

MSVOA_U

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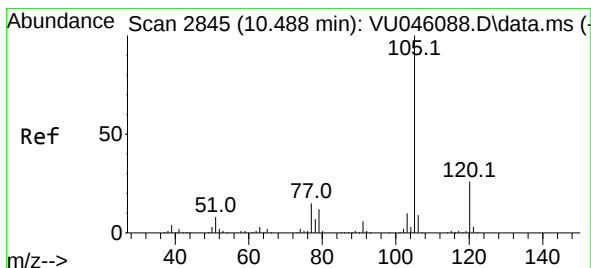
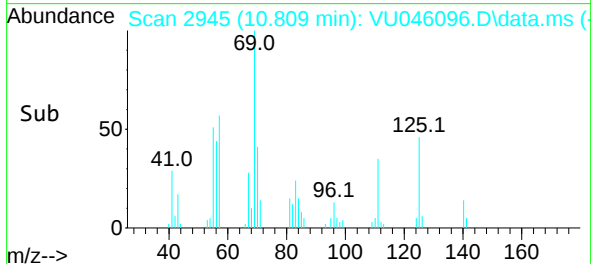
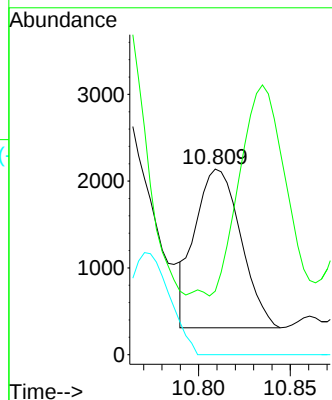
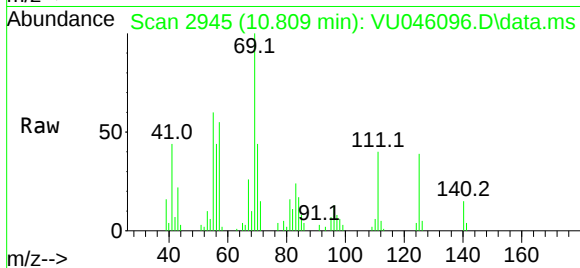
Tgt Ion: 83 Resp: 3180

Ion Ratio Lower Upper

83 100

85 34.2 45.6 84.6#

131 0.0 7.8 11.6#



#61

Isopropylbenzene

Concen: 10.922 ug/L

RT: 10.494 min Scan# 2847

Delta R.T. 0.006 min

Lab File: VU046096.D

Acq: 04 Dec 2021 16:21

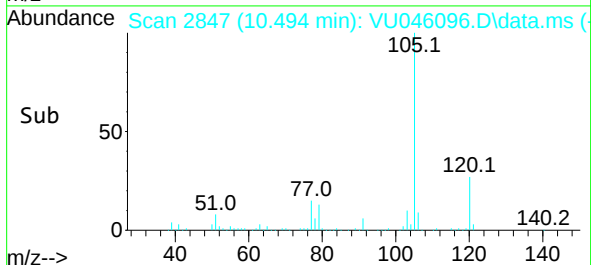
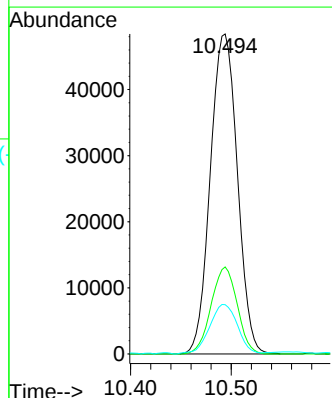
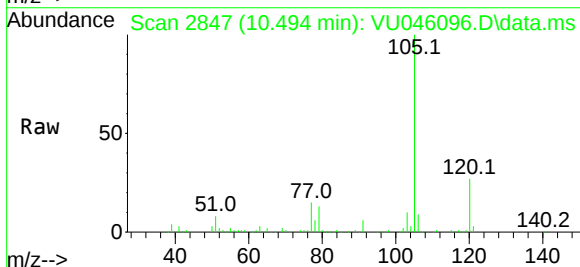
Tgt Ion:105 Resp: 90477

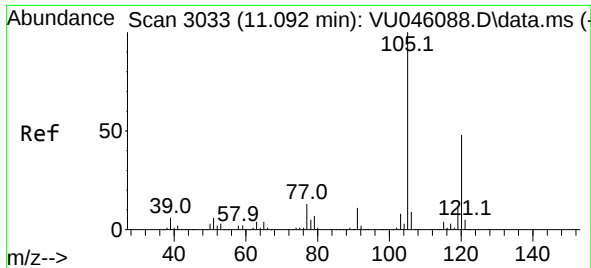
Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

77 16.0 12.2 18.4

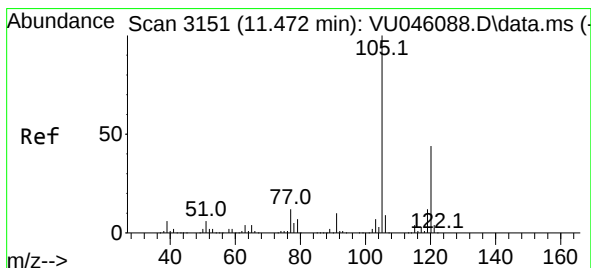
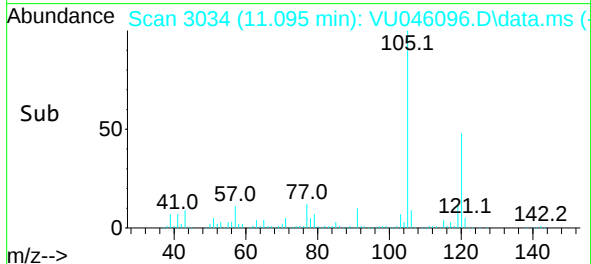
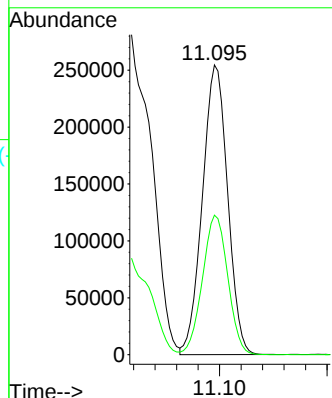
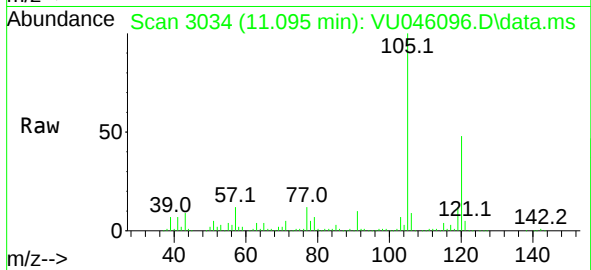




#62
 1,3,5-Trimethylbenzene
 Concen: 60.039 ug/L
 RT: 11.095 min Scan# 3033
 Delta R.T. 0.003 min
 Lab File: VU046096.D
 Acq: 04 Dec 2021 16:21

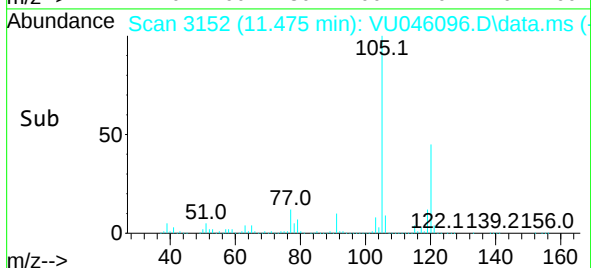
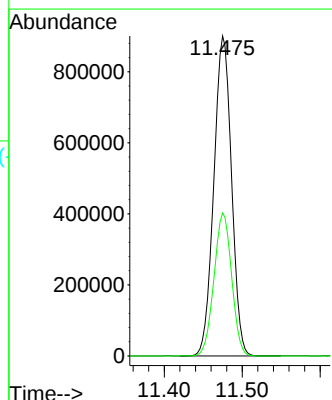
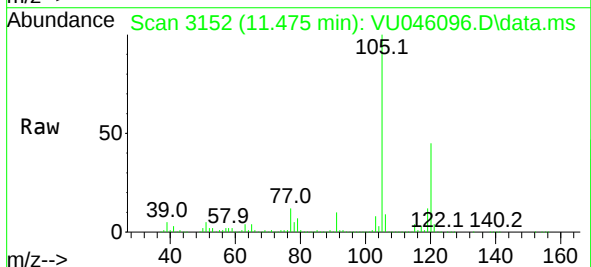
Instrument :
 MSVOA_U
 ClientSampleId :

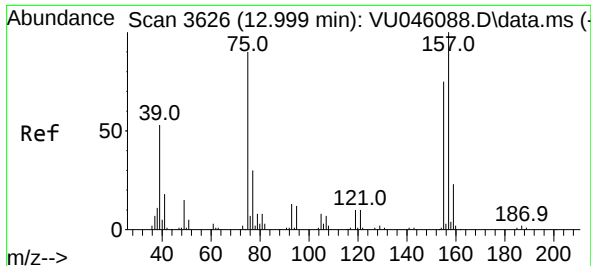
Tgt Ion:105 Resp: 414543
 Ion Ratio Lower Upper
 105 100
 120 48.3 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 205.537 ug/L
 RT: 11.475 min Scan# 3152
 Delta R.T. 0.003 min
 Lab File: VU046096.D
 Acq: 04 Dec 2021 16:21

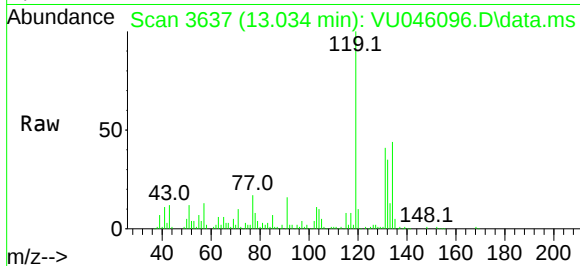
Tgt Ion:105 Resp: 1419844
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.2 52.8



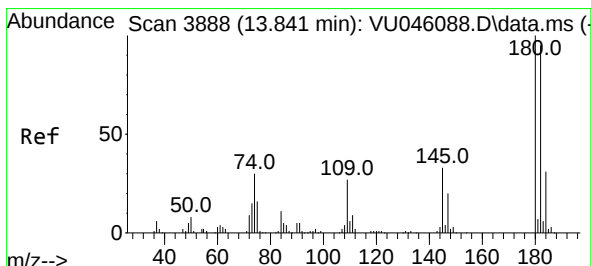
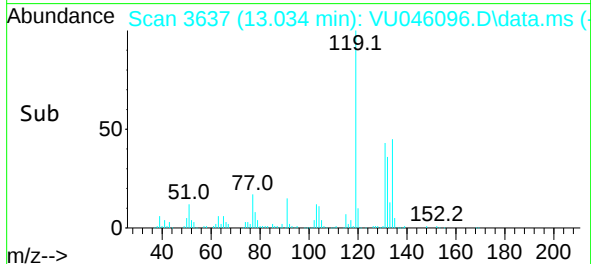
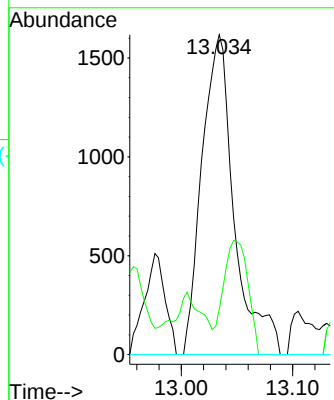


#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.390 ug/L
 RT: 13.034 min Scan# 3626
 Delta R.T. 0.035 min
 Lab File: VU046096.D
 Acq: 04 Dec 2021 16:21

Instrument :
 MSVOA_U
 ClientSampleId :

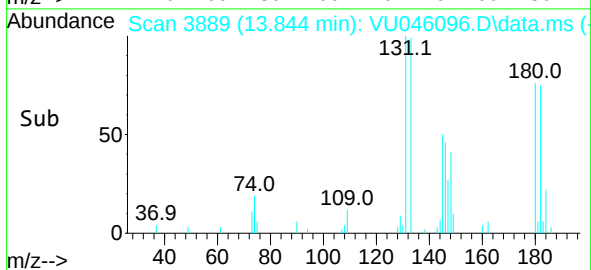
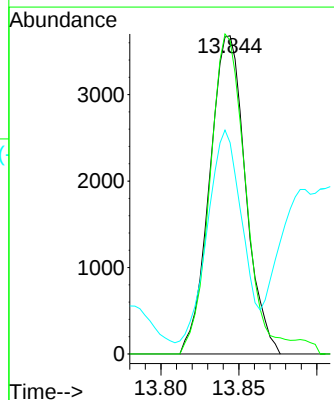
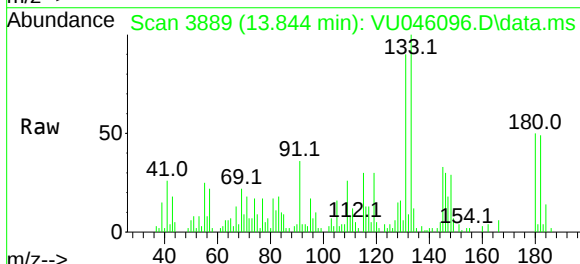


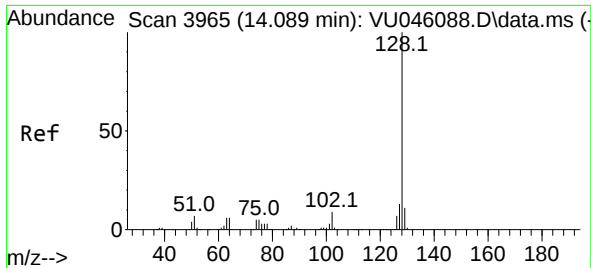
Tgt Ion: 75 Resp: 3264
 Ion Ratio Lower Upper
 75 100
 155 14.2 64.9 97.3#
 157 0.0 81.9 122.9#



#70
 1,2,4-trichlorobenzene
 Concen: 2.317 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.003 min
 Lab File: VU046096.D
 Acq: 04 Dec 2021 16:21

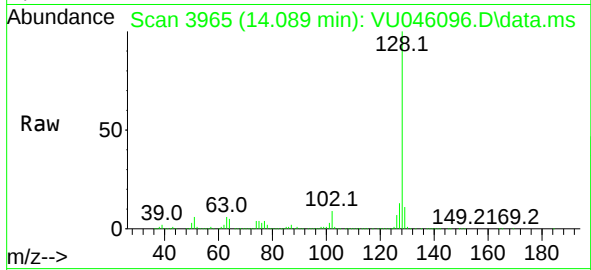
Tgt Ion:180 Resp: 5895
 Ion Ratio Lower Upper
 180 100
 182 99.6 76.7 115.1
 145 64.1 26.0 39.0#





#71
Naphthalene
Concen: 198.741 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU046096.D
Acq: 04 Dec 2021 16:21

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1759562
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.8 8.6 13.0

