

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
 Data File : VU046093.D
 Acq On : 04 Dec 2021 15:13
 Operator : SY/MD
 Sample : M4942-05
 Misc : 6.58g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 05 08:15:54 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	176195	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	177803	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	85707	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	124778	85.971	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 171.940%#	
7) Chloroethane-d5	1.915	69	84195	75.553	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 151.100%#	
11) 1,1-Dichloroethene-d2	2.542	63	160871	61.742	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	= 123.480%	
21) 2-Butanone-d5	4.655	46	201162	174.348	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	= 174.350%#	
24) Chloroform-d	5.063	84	225700	93.119	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 186.240%#	
26) 1,2-Dichloroethane-d4	5.703	65	156940	96.482	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 192.960%#	
32) Benzene-d6	5.722	84	512306	100.528	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 201.060%#	
36) 1,2-Dichloropropane-d6	6.690	67	160571	101.667	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 203.340%#	
41) Toluene-d8	7.899	98	492516	106.145	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 212.300%#	
43) trans-1,3-Dichloroprop...	8.182	79	83353	109.327	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 218.660%#	
47) 2-Hexanone-d5	8.684	63	160858	214.808	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	= 214.810%#	
56) 1,1,2,2-Tetrachloroeth...	10.774	84	216784	90.508	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	= 181.020%#	
66) 1,2-Dichlorobenzene-d4	12.201	152	174208	105.545	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 211.080%#	
Target Compounds						
					Qvalue	
6) Bromomethane	1.861	94	1347	1.375	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.542	101	1422	1.109	ug/L #	21
12) 1,1-Dichloroethene	2.546	96	1104	0.906	ug/L #	1
25) Chloroform	5.092	83	14521	5.575	ug/L	90
33) Benzene	5.722	78	4083	0.759	ug/L	100
35) Methylcyclohexane	6.758	83	8469	3.853	ug/L	99
37) 1,2-Dichloropropane	6.690	63	17186	12.191	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	4913	2.291	ug/L #	60
42) Toluene	7.973	91	18454	3.196	ug/L	97
44) trans-1,3-Dichloropropene	8.185	75	3479	1.652	ug/L #	76
45) 1,1,2-Trichloroethane	8.369	97	4605	3.256	ug/L #	21
48) 2-Hexanone	8.684	43	15299	8.259	ug/L #	51
52) Ethylbenzene	9.578	91	2906604	467.714	ug/L	99
53) m,p-Xylene	9.703	106	3640947	1502.309	ug/L	100
54) o-xylene	10.108	106	661705	281.378	ug/L	97
55) Styrene	10.111	104	32073	7.988	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.770	83	1672	0.690	ug/L #	1
60) 1,2,3-Trichloropropane	10.915	75	2867	1.526	ug/L #	1
61) Isopropylbenzene	10.491	105	112820	20.232	ug/L	98

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QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

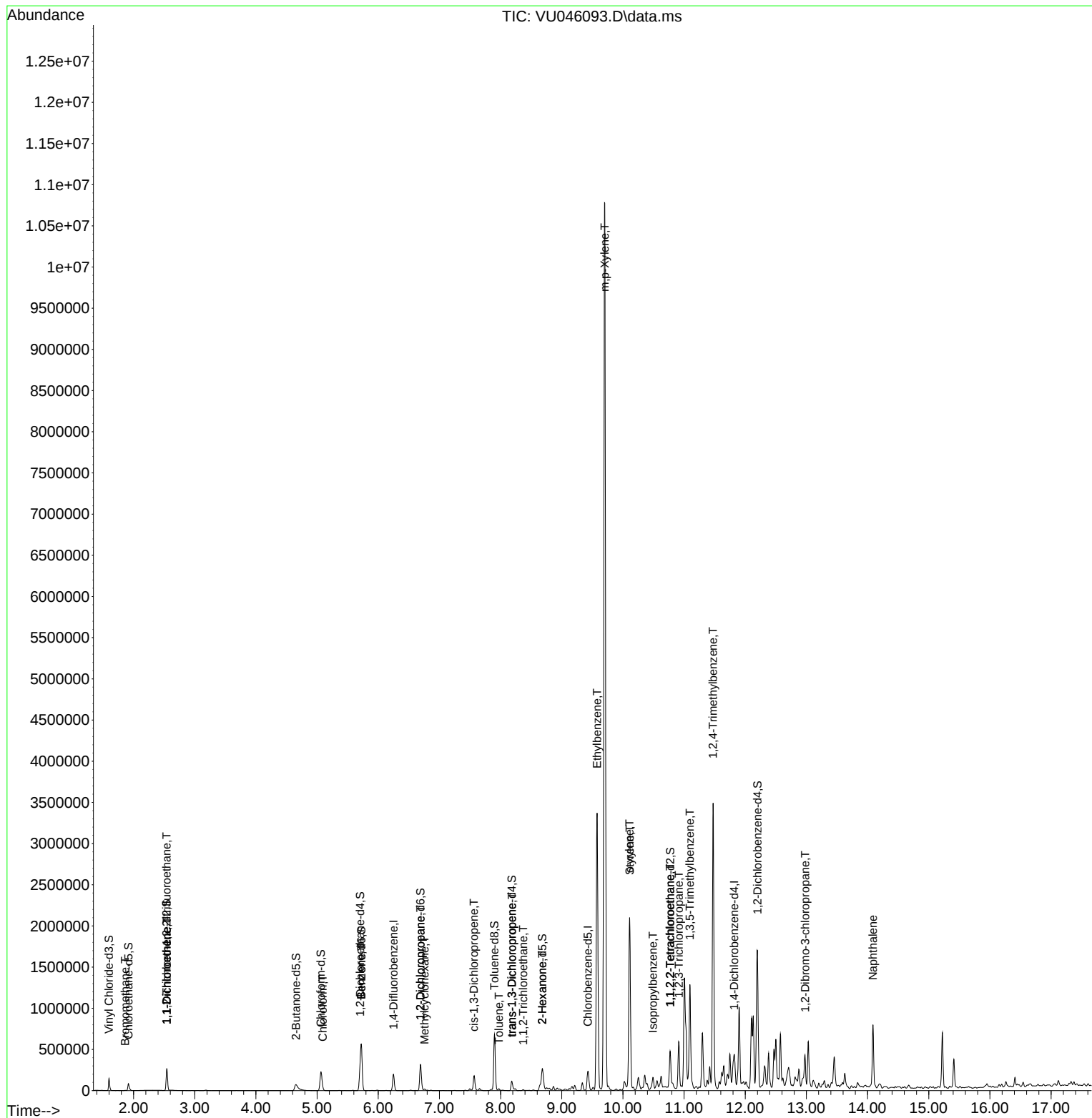
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.095	105	720687	155.052	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	2006264	431.426	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.979	75	1244	2.485	ug/L #	15
71) Naphthalene	14.089	128	608226	102.051	ug/L	100

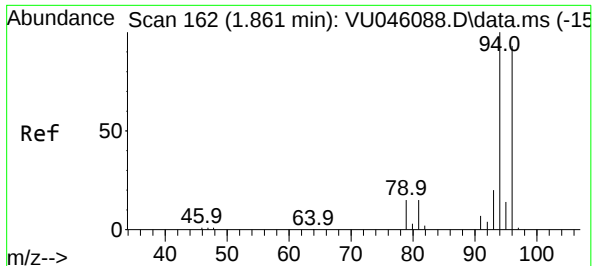
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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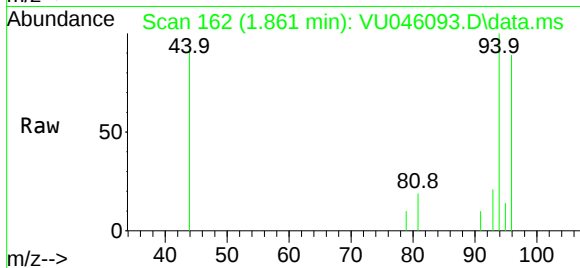
Quant Time: Dec 05 08:15:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
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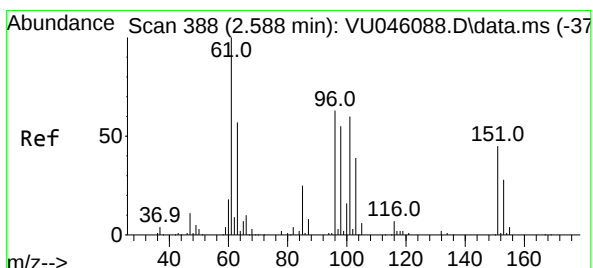
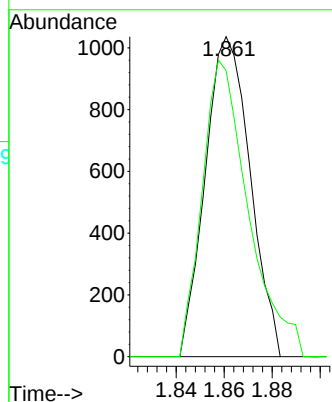
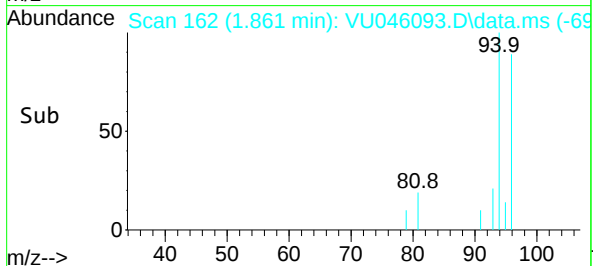


#6
Bromomethane
Concen: 1.375 ug/L
RT: 1.861 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU046093.D
Acq: 04 Dec 2021 15:13

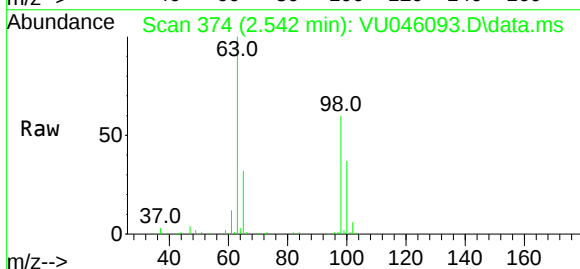
Instrument :
MSVOA_U
ClientSampleId :



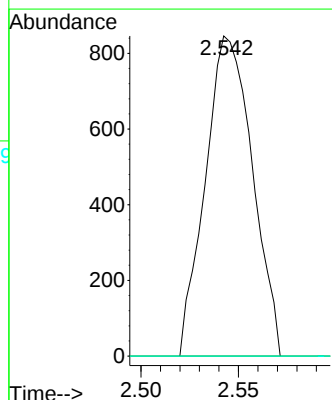
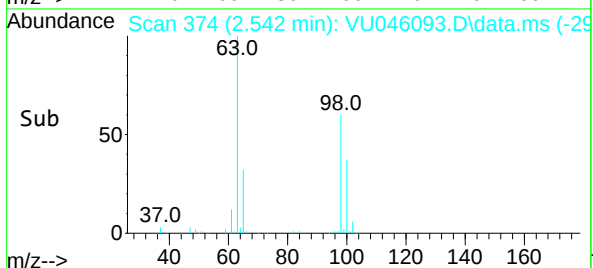
Tgt Ion: 94 Resp: 1347
Ion Ratio Lower Upper
94 100
96 89.4 67.4 125.2

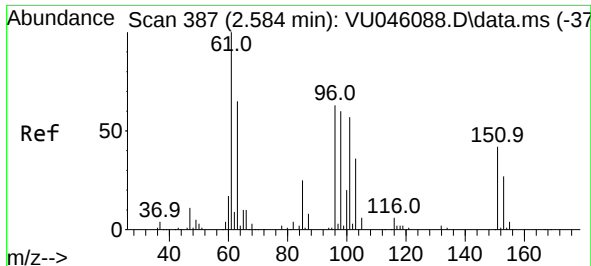


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.109 ug/L
RT: 2.542 min Scan# 374
Delta R.T. -0.045 min
Lab File: VU046093.D
Acq: 04 Dec 2021 15:13



Tgt Ion: 101 Resp: 1422
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: 0.906 ug/L

RT: 2.546 min Scan# 31

Delta R.T. -0.039 min

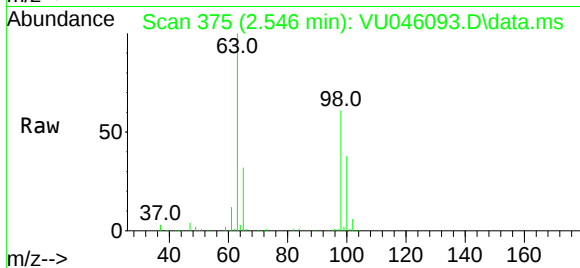
Lab File: VU046093.D

Acq: 04 Dec 2021 15:13

Instrument :

MSVOA_U

ClientSampleId :



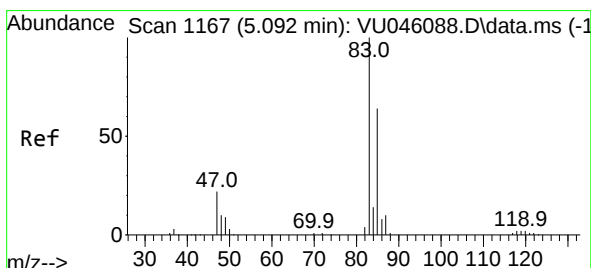
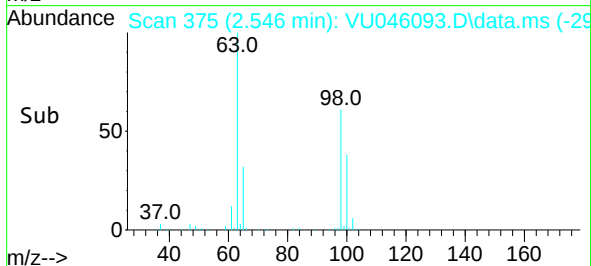
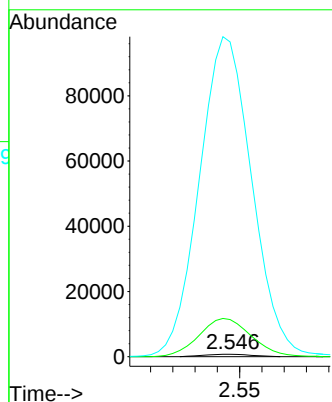
Tgt Ion: 96 Resp: 1104

Ion Ratio Lower Upper

96 100

61 1536.6 118.6 220.2#

63 13045.4 93.0 172.8#



#25

Chloroform

Concen: 5.575 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046093.D

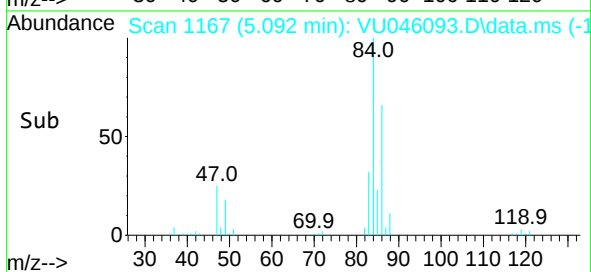
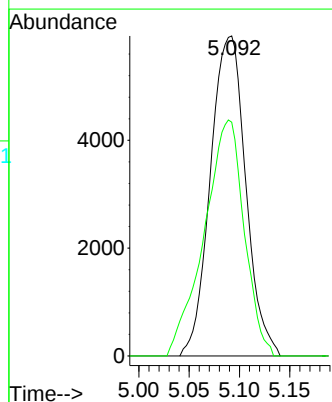
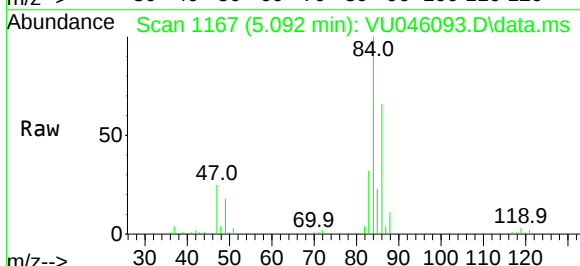
Acq: 04 Dec 2021 15:13

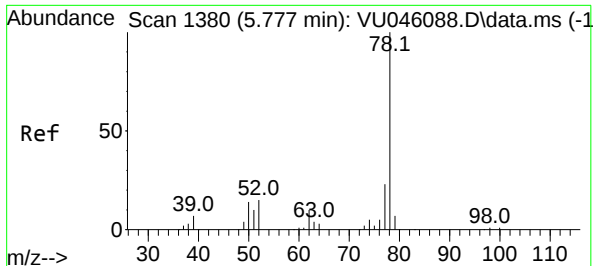
Tgt Ion: 83 Resp: 14521

Ion Ratio Lower Upper

83 100

85 73.0 45.8 85.2





#33

Benzene

Concen: 0.759 ug/L

RT: 5.722 min Scan# 1

Delta R.T. -0.058 min

Lab File: VU046093.D

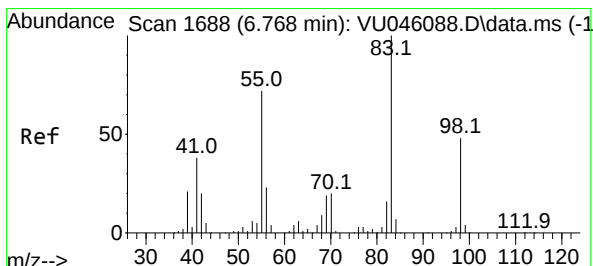
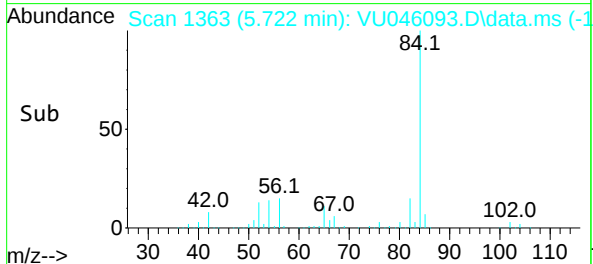
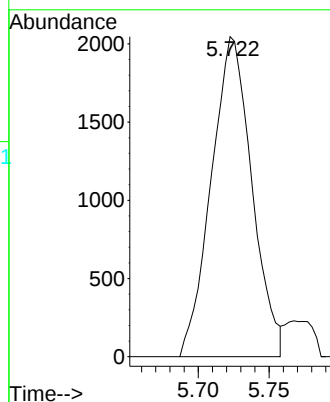
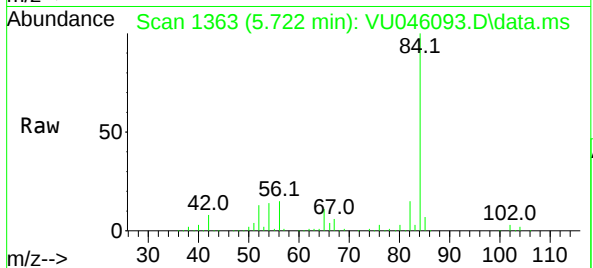
Acq: 04 Dec 2021 15:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 4083



#35

Methylcyclohexane

Concen: 3.853 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.010 min

Lab File: VU046093.D

Acq: 04 Dec 2021 15:13

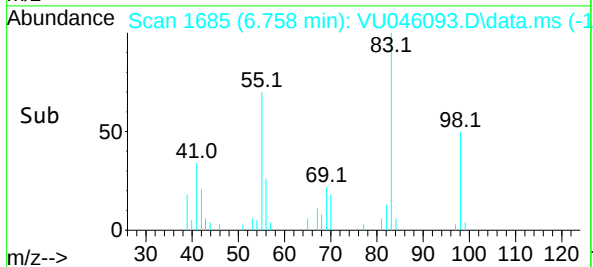
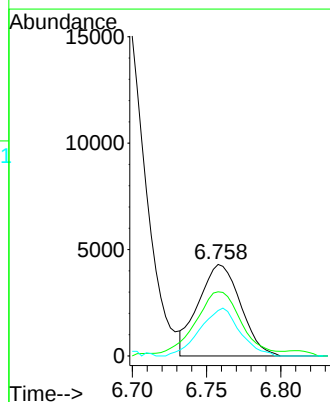
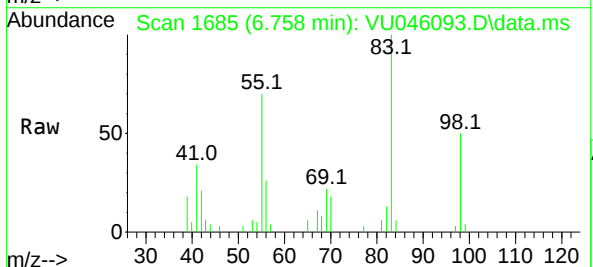
Tgt Ion: 83 Resp: 8469

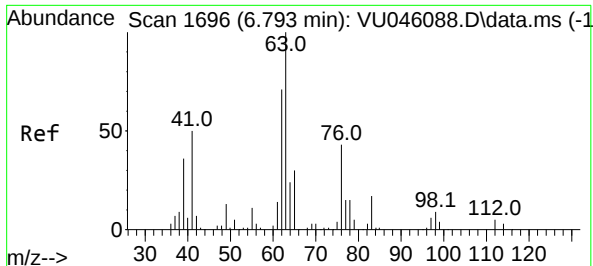
Ion Ratio Lower Upper

83 100

55 72.1 57.8 86.6

98 49.4 38.4 57.6





#37

1,2-Dichloropropane

Concen: 12.191 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046093.D

Acq: 04 Dec 2021 15:13

Instrument :

MSVOA_U

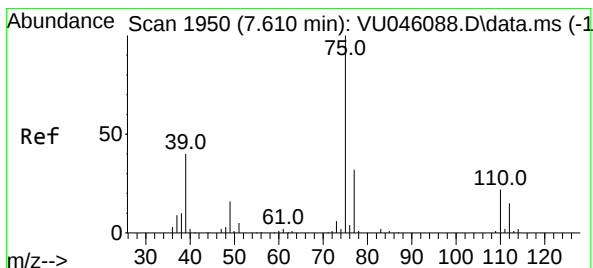
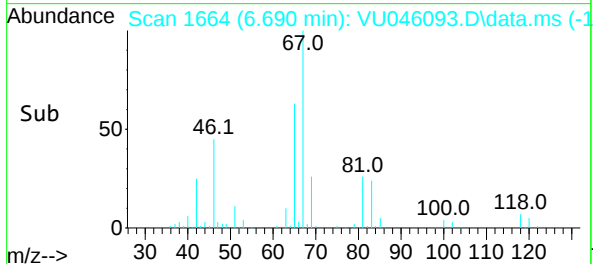
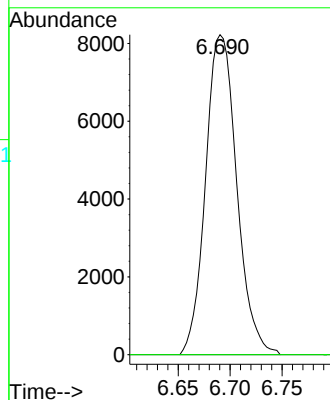
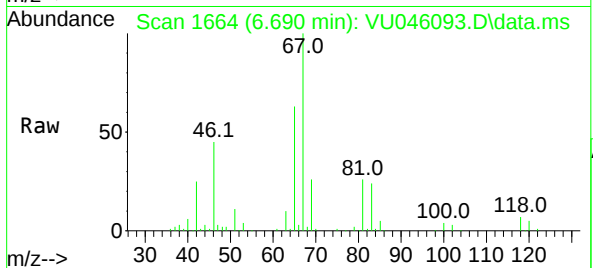
ClientSampleId :

Tgt Ion: 63 Resp: 17186

Ion Ratio Lower Upper

63 100

112 0.4 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 2.291 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046093.D

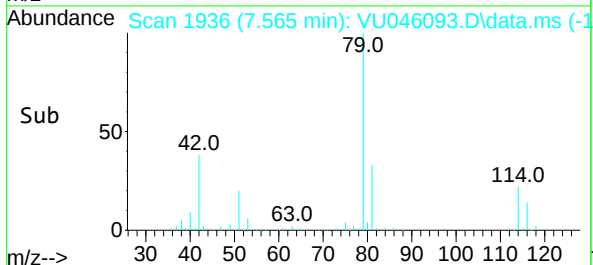
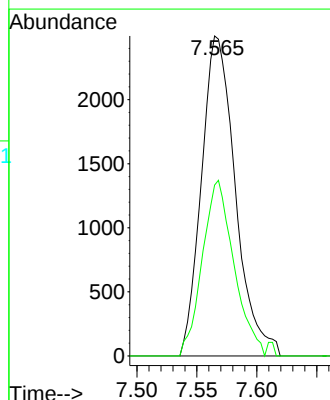
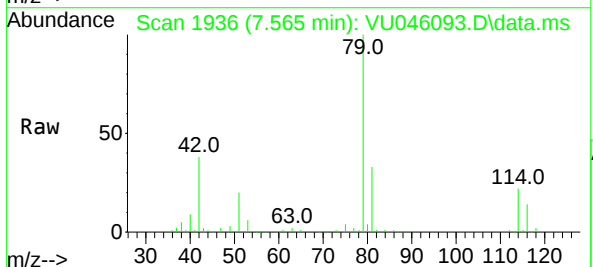
Acq: 04 Dec 2021 15:13

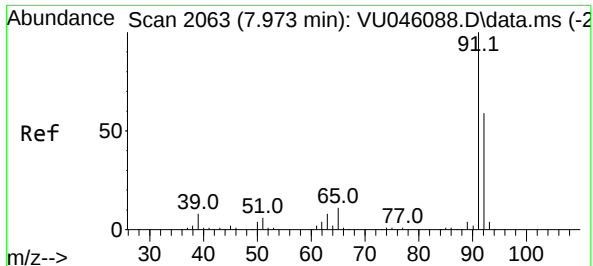
Tgt Ion: 75 Resp: 4913

Ion Ratio Lower Upper

75 100

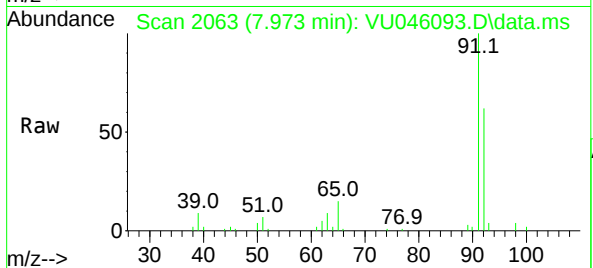
77 53.4 21.8 40.6#



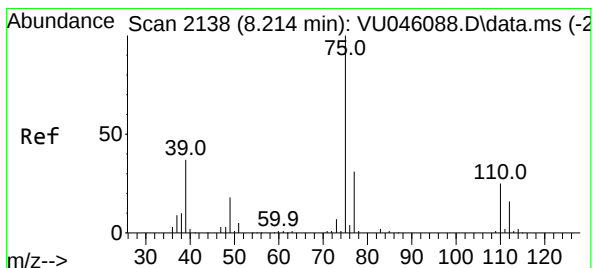
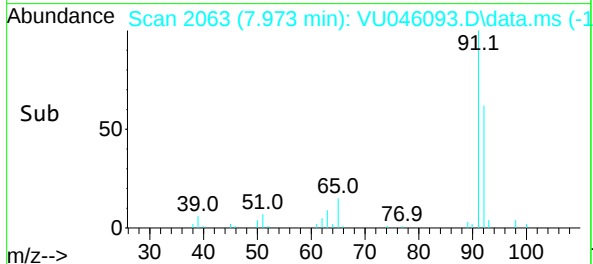
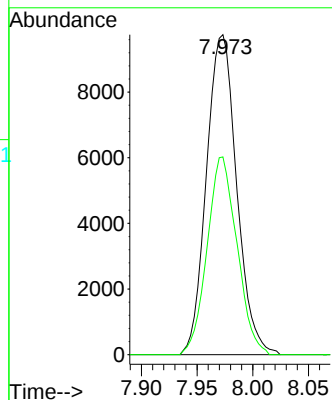


#42
Toluene
Concen: 3.196 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046093.D
Acq: 04 Dec 2021 15:13

Instrument :
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ClientSampleId :

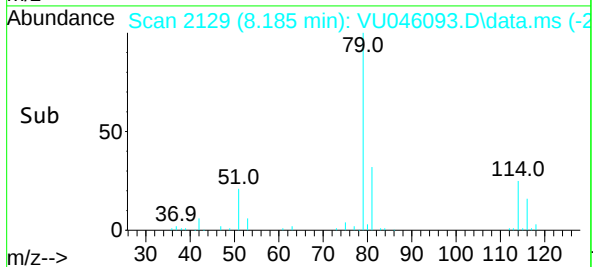
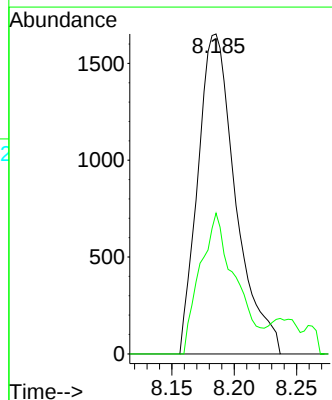
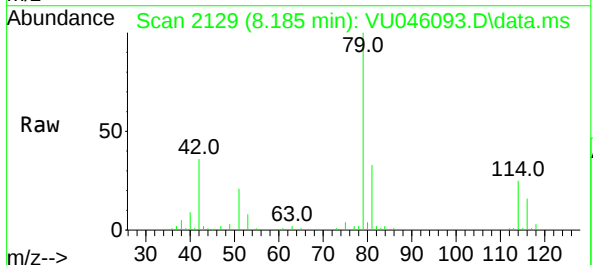


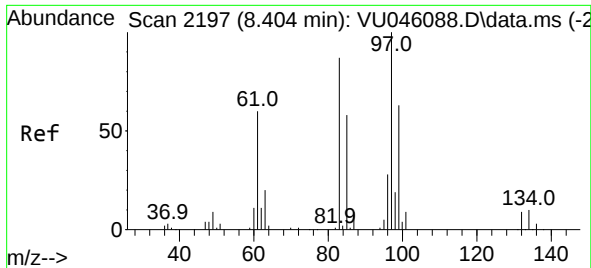
Tgt Ion: 91 Resp: 18454
Ion Ratio Lower Upper
91 100
92 61.8 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 1.652 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU046093.D
Acq: 04 Dec 2021 15:13

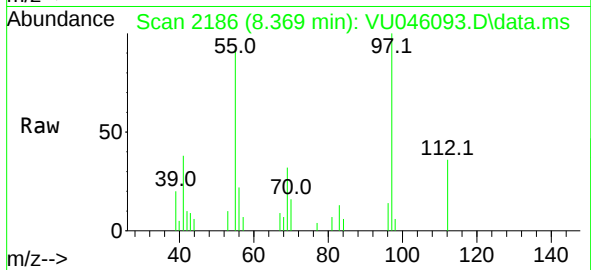
Tgt Ion: 75 Resp: 3479
Ion Ratio Lower Upper
75 100
77 44.0 21.7 40.3#



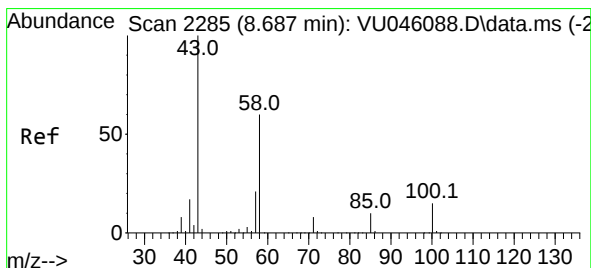
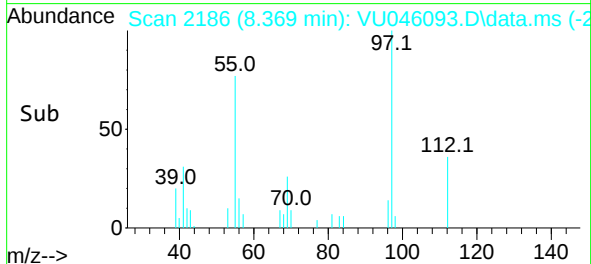
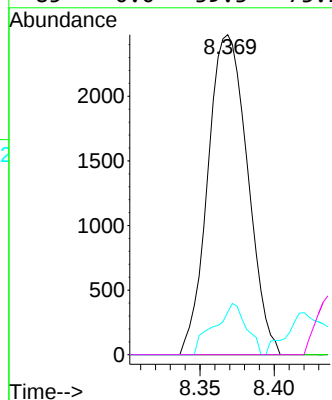


#45
 1,1,2-Trichloroethane
 Concen: 3.256 ug/L
 RT: 8.369 min Scan# 2197
 Delta R.T. -0.036 min
 Lab File: VU046093.D
 Acq: 04 Dec 2021 15:13

Instrument :
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 ClientSampleId :

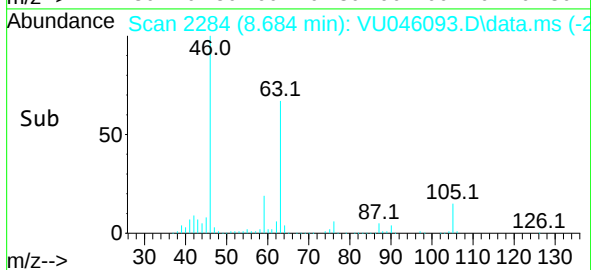
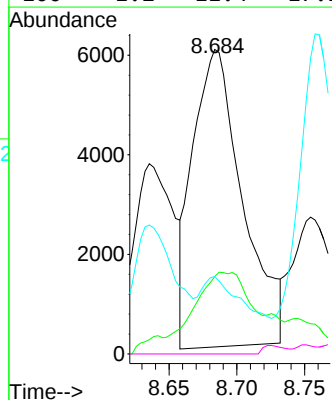
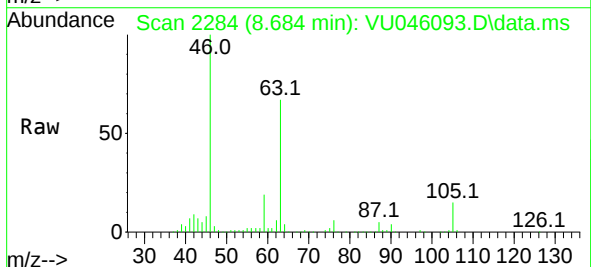


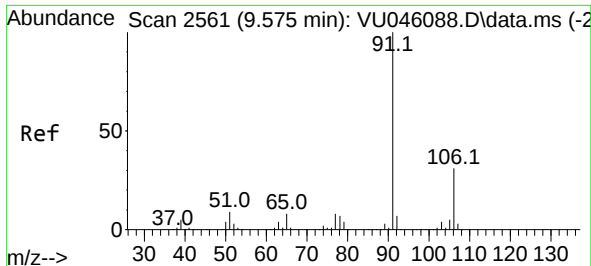
Tgt Ion: 97	Resp: 4605
Ion Ratio	Lower Upper
97 100	
99 0.0	44.7 82.9#
83 13.3	60.2 111.8#
85 0.0	39.3 73.1#



#48
 2-Hexanone
 Concen: 8.259 ug/L
 RT: 8.684 min Scan# 2284
 Delta R.T. -0.003 min
 Lab File: VU046093.D
 Acq: 04 Dec 2021 15:13

Tgt Ion: 43	Resp: 15299
Ion Ratio	Lower Upper
43 100	
58 13.3	47.4 71.2#
57 9.0	16.6 25.0#
100 1.2	11.4 17.2#

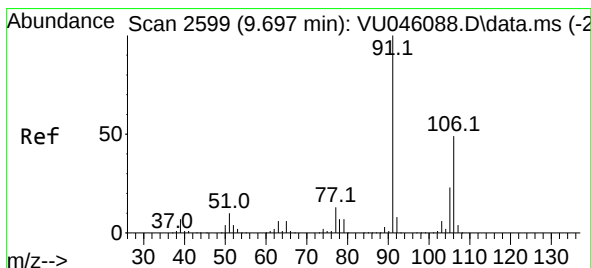
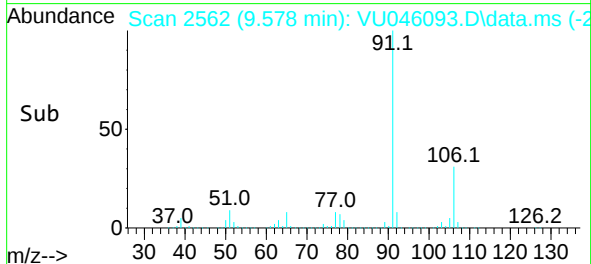
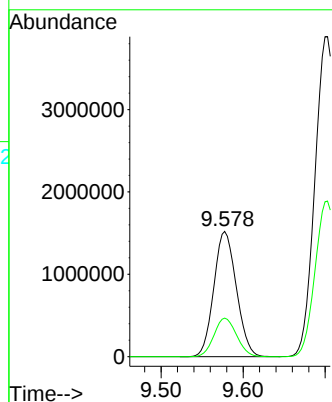
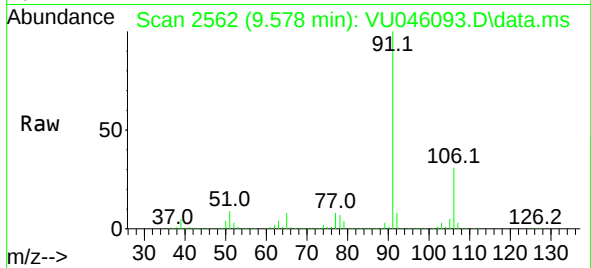




#52
Ethylbenzene
Concen: 467.714 ug/L
RT: 9.578 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046093.D
Acq: 04 Dec 2021 15:13

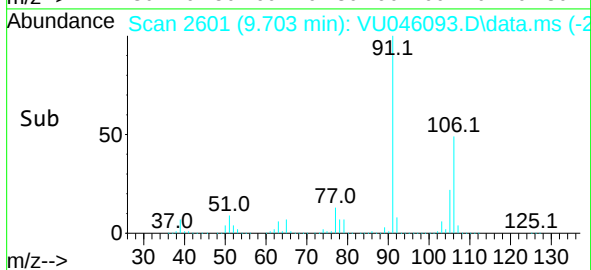
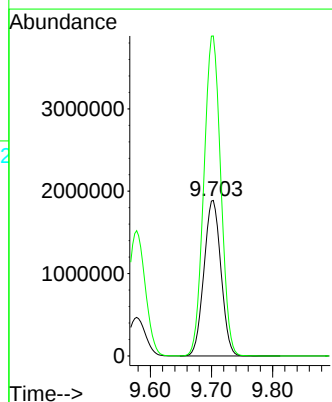
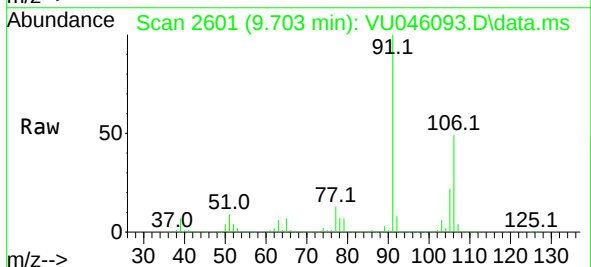
Instrument :
MSVOA_U
ClientSampleId :

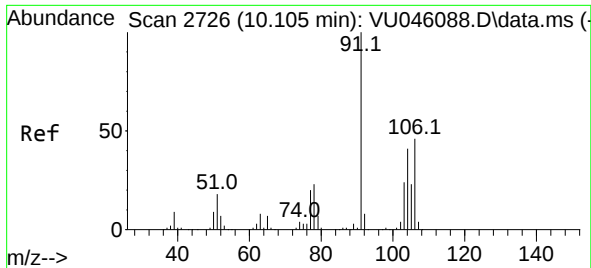
Tgt Ion: 91 Resp: 2906604
Ion Ratio Lower Upper
91 100
106 30.8 21.1 39.3



#53
m,p-Xylene
Concen: 1502.309 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. 0.006 min
Lab File: VU046093.D
Acq: 04 Dec 2021 15:13

Tgt Ion:106 Resp: 3640947
Ion Ratio Lower Upper
106 100
91 205.8 144.3 268.1

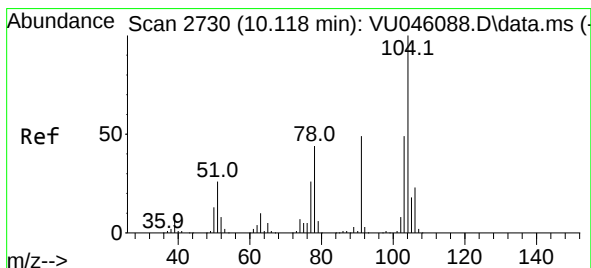
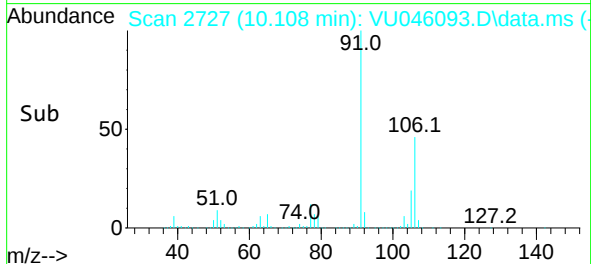
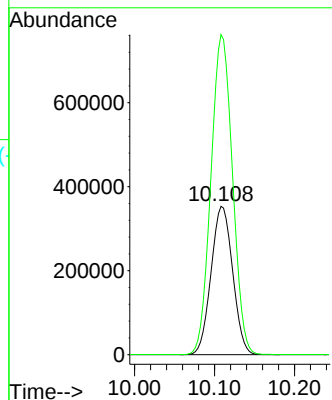
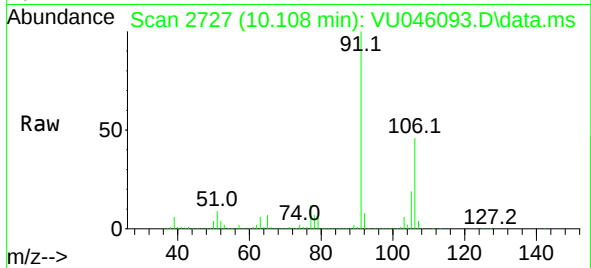




#54
o-xylene
Concen: 281.378 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.003 min
Lab File: VU046093.D
Acq: 04 Dec 2021 15:13

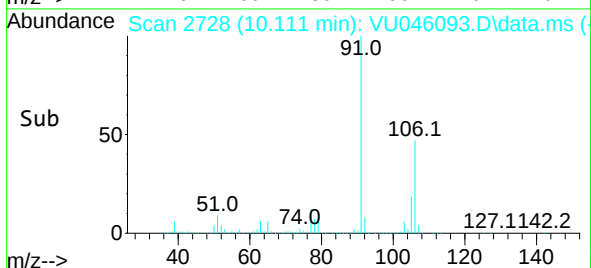
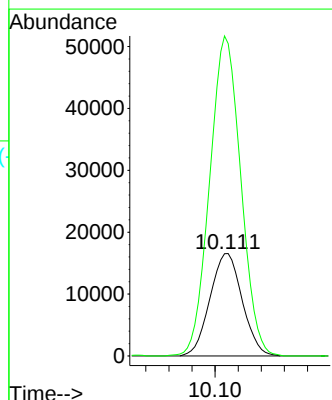
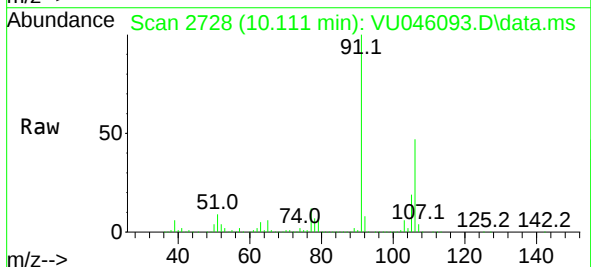
Instrument :
MSVOA_U
ClientSampleId :

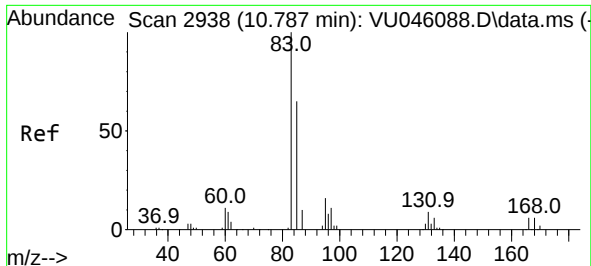
Tgt Ion:106 Resp: 661705
Ion Ratio Lower Upper
106 100
91 215.7 154.2 286.4



#55
Styrene
Concen: 7.988 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.007 min
Lab File: VU046093.D
Acq: 04 Dec 2021 15:13

Tgt Ion:104 Resp: 32073
Ion Ratio Lower Upper
104 100
78 305.1 32.6 60.5#





#57

1,1,2,2-Tetrachloroethane

Concen: 0.690 ug/L

RT: 10.770 min Scan# 2933

Delta R.T. -0.016 min

Lab File: VU046093.D

Acq: 04 Dec 2021 15:13

Instrument :

MSVOA_U

ClientSampleId :

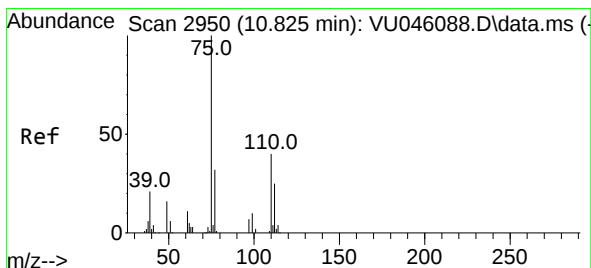
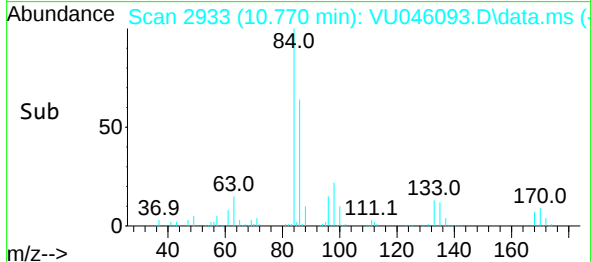
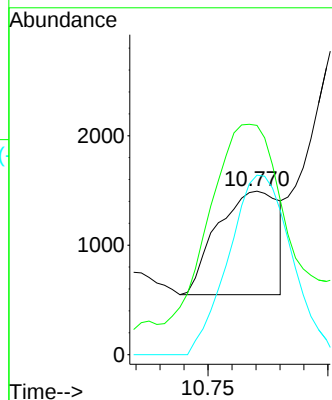
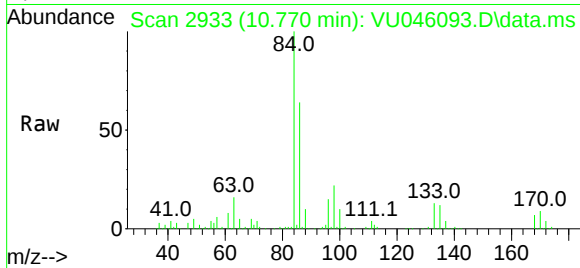
Tgt Ion: 83 Resp: 1672

Ion Ratio Lower Upper

83 100

85 140.2 45.6 84.6#

131 109.7 7.8 11.6#



#60

1,2,3-Trichloropropane

Concen: 1.526 ug/L

RT: 10.915 min Scan# 2978

Delta R.T. 0.090 min

Lab File: VU046093.D

Acq: 04 Dec 2021 15:13

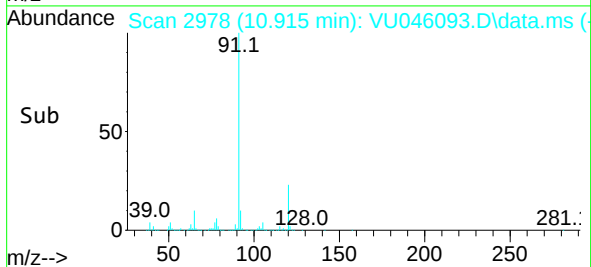
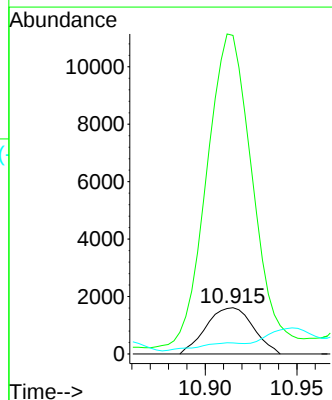
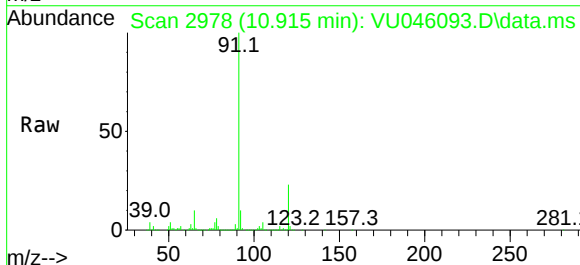
Tgt Ion: 75 Resp: 2867

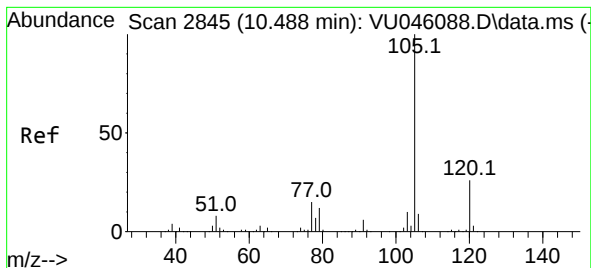
Ion Ratio Lower Upper

75 100

77 658.6 26.4 39.6#

110 16.8 32.4 48.6#





#61

Isopropylbenzene

Concen: 20.232 ug/L

RT: 10.491 min Scan# 2846

Delta R.T. 0.003 min

Lab File: VU046093.D

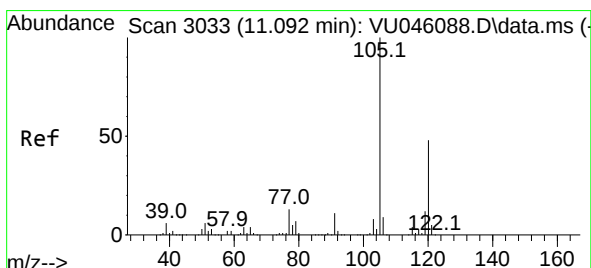
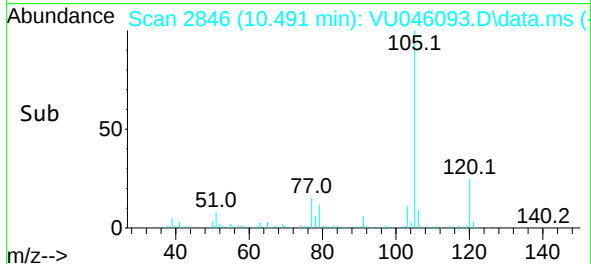
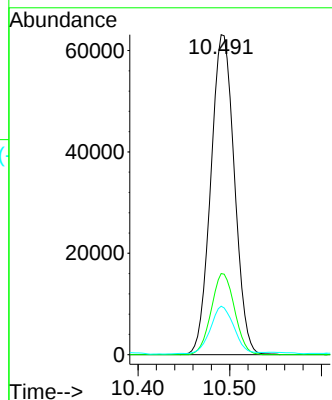
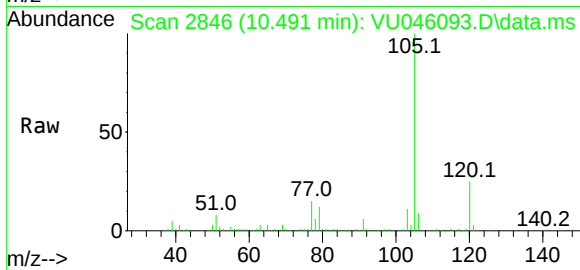
Acq: 04 Dec 2021 15:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	112820
Ion Ratio	Lower	Upper	
105	100		
120	25.1	20.7	31.1
77	14.7	12.2	18.4



#62

1,3,5-Trimethylbenzene

Concen: 155.052 ug/L

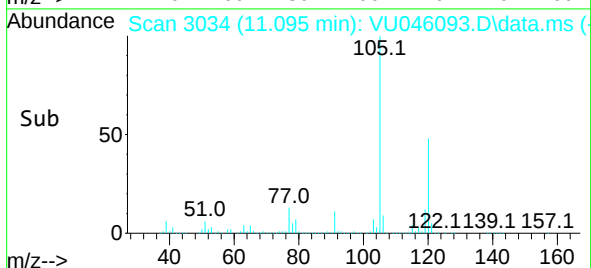
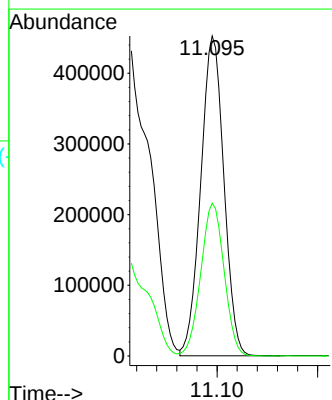
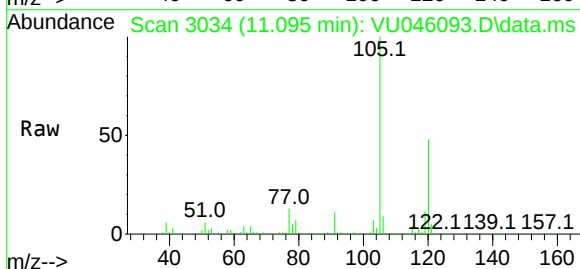
RT: 11.095 min Scan# 3034

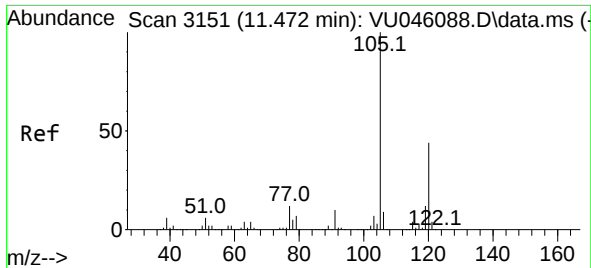
Delta R.T. 0.003 min

Lab File: VU046093.D

Acq: 04 Dec 2021 15:13

Tgt Ion:	105	Resp:	720687
Ion Ratio	Lower	Upper	
105	100		
120	48.2	37.8	56.6

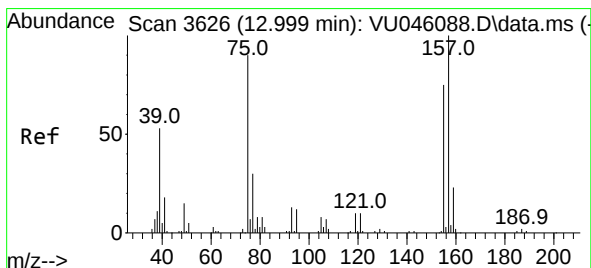
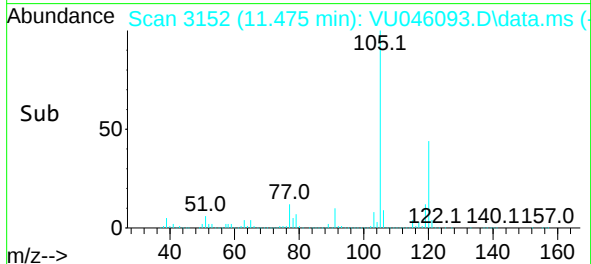
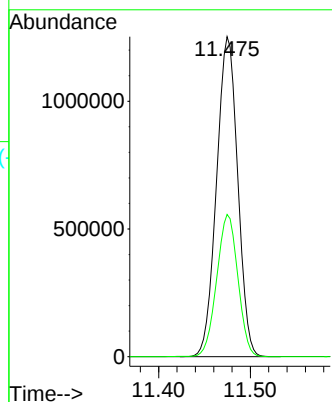
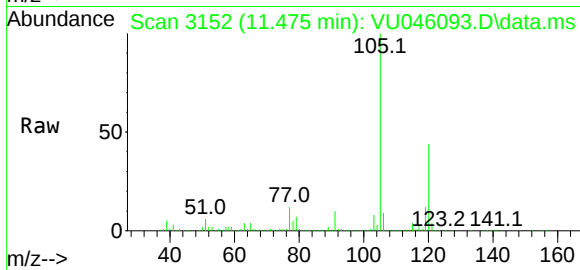




#63
1,2,4-Trimethylbenzene
Concen: 431.426 ug/L
RT: 11.475 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU046093.D
Acq: 04 Dec 2021 15:13

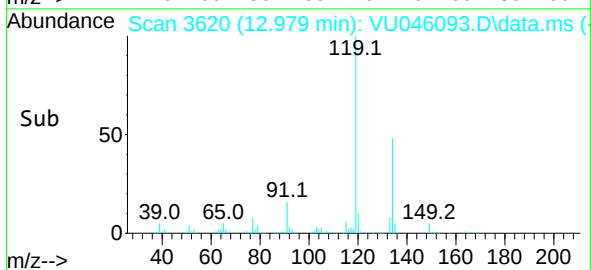
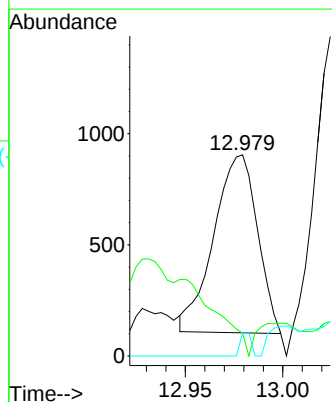
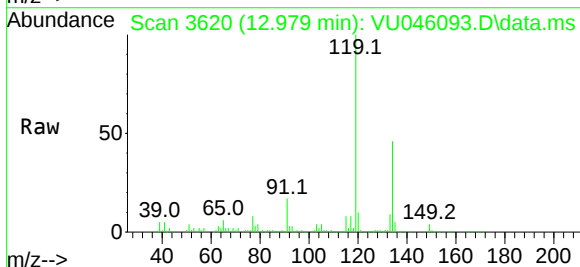
Instrument :
MSVOA_U
ClientSampleId :

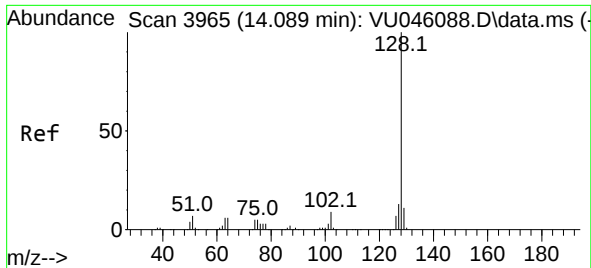
Tgt Ion:105 Resp: 2006264
Ion Ratio Lower Upper
105 100
120 44.5 35.2 52.8



#68
1,2-Dibromo-3-chloropropane
Concen: 2.485 ug/L
RT: 12.979 min Scan# 3620
Delta R.T. -0.019 min
Lab File: VU046093.D
Acq: 04 Dec 2021 15:13

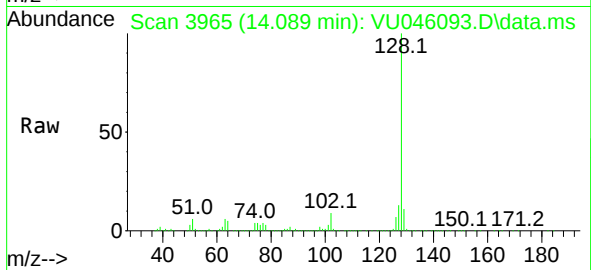
Tgt Ion: 75 Resp: 1244
Ion Ratio Lower Upper
75 100
155 11.4 64.9 97.3#
157 11.4 81.9 122.9#





#71
Naphthalene
Concen: 102.051 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU046093.D
Acq: 04 Dec 2021 15:13

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 608226
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.8 8.6 13.0

