

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
 Data File : VU046099.D
 Acq On : 04 Dec 2021 17:28
 Operator : SY/MD
 Sample : M4942-03 10X
 Misc : 5.89g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 05 08:16:43 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	249708	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	245010	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	129825	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	66756	32.454	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.900%
7) Chloroethane-d5	1.916	69	50928	32.247	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.500%#
11) 1,1-Dichloroethene-d2	2.568	63	100120	27.113	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.220%#
21) 2-Butanone-d5	4.636	46	109788	67.141	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	67.140%
24) Chloroform-d	5.067	84	124389	36.212	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.420%
26) 1,2-Dichloroethane-d4	5.703	65	85789	37.214	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.420%
32) Benzene-d6	5.729	84	281671	40.110	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.220%
36) 1,2-Dichloropropane-d6	6.694	67	84689	38.913	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.820%
41) Toluene-d8	7.899	98	265598	41.539	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.080%
43) trans-1,3-Dichloroprop...	8.179	79	42886	40.820	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.640%
47) 2-Hexanone-d5	8.636	63	88757	86.013	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.010%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	131174	39.743	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.480%
66) 1,2-Dichlorobenzene-d4	12.195	152	105595	42.235	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.460%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	907	0.499	ug/L #	21
12) 1,1-Dichloroethene	2.571	96	748	0.433	ug/L #	1
35) Methylcyclohexane	6.764	83	4094	1.352	ug/L	90
37) 1,2-Dichloropropane	6.694	63	9109	4.689	ug/L #	77
39) cis-1,3-Dichloropropene	7.568	75	2497	0.845	ug/L #	75
42) Toluene	7.970	91	113659	14.284	ug/L	98
45) 1,1,2-Trichloroethane	8.372	97	5001	2.566	ug/L #	21
51) Chlorobenzene	9.449	112	3878	0.753	ug/L	93
52) Ethylbenzene	9.571	91	576530	67.324	ug/L	98
53) m,p-Xylene	9.693	106	697292	208.792	ug/L	98
54) o-xylene	10.102	106	204442	63.089	ug/L	96
55) Styrene	10.105	104	16089	2.908	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.809	83	19008	5.689	ug/L #	50
61) Isopropylbenzene	10.484	105	132441	15.679	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	412697	58.616	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	1344910	190.928	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	11138	2.757	ug/L #	68
68) 1,2-Dibromo-3-chloropr...	12.973	75	1456	1.920	ug/L #	20
70) 1,2,4-trichlorobenzene	13.841	180	8838	3.407	ug/L #	69

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Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
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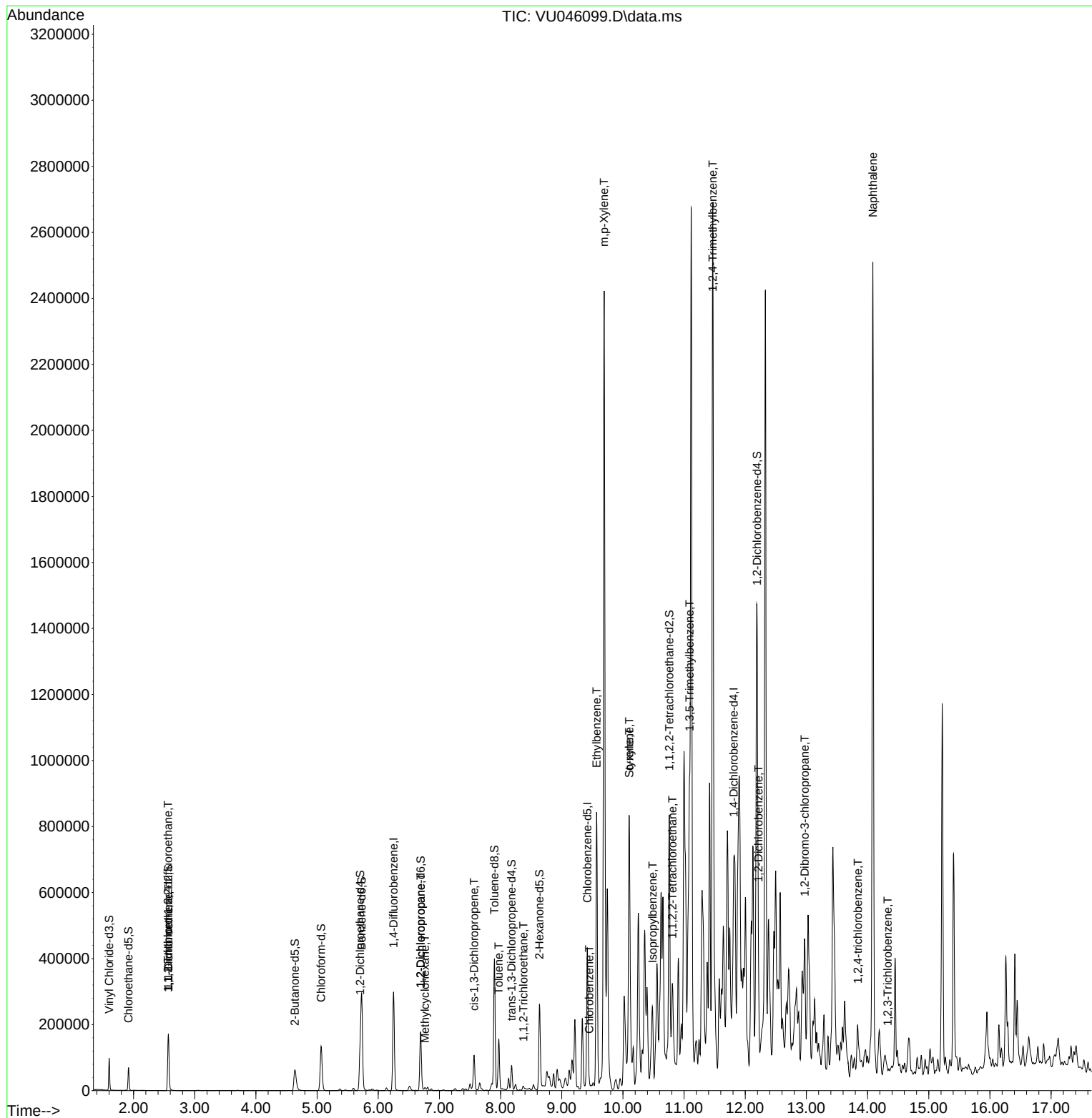
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.085	128	1944664	215.405	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	2783	1.052	ug/L #	1

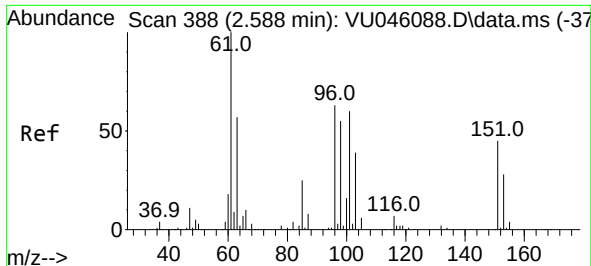
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.499 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.023 min

Lab File: VU046099.D

Acq: 04 Dec 2021 17:28

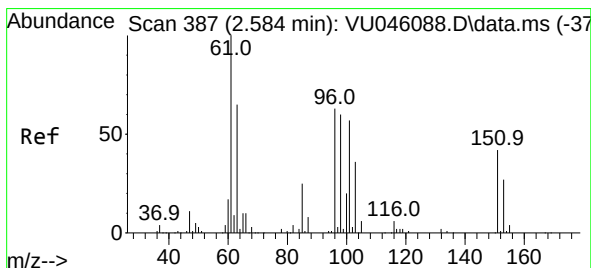
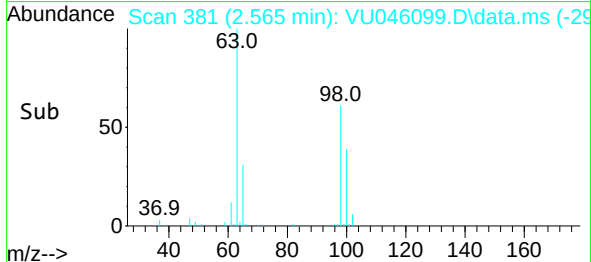
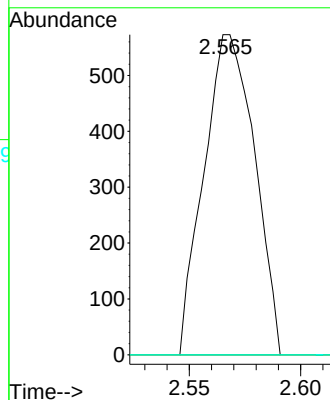
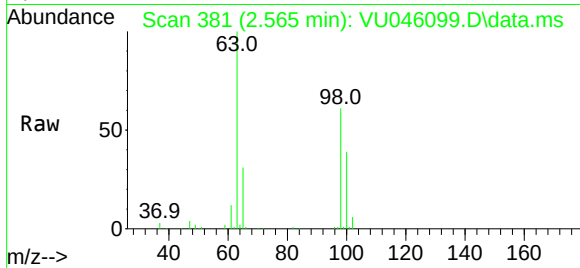
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:101 Resp: 907

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: 0.433 ug/L

RT: 2.571 min Scan# 383

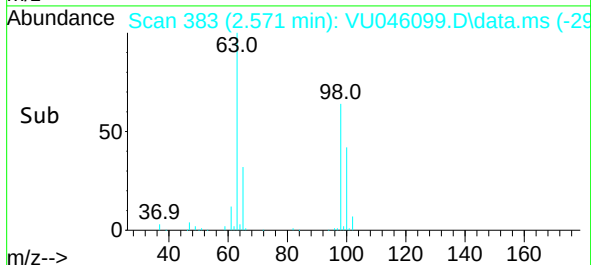
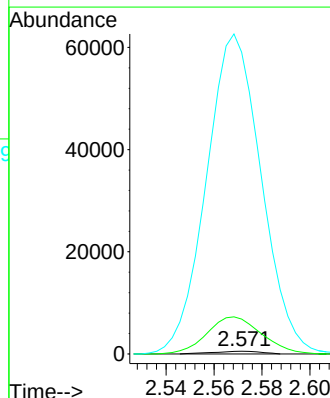
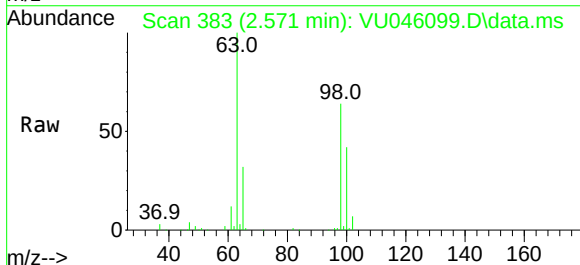
Delta R.T. -0.013 min

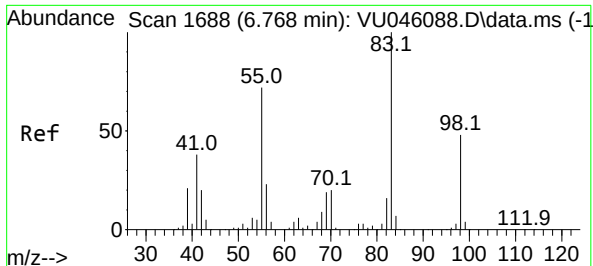
Lab File: VU046099.D

Acq: 04 Dec 2021 17:28

Tgt Ion: 96 Resp: 748

Ion	Ratio	Lower	Upper
96	100		
61	1270.2	118.6	220.2#
63	10998.9	93.0	172.8#





#35

Methylcyclohexane

Concen: 1.352 ug/L

RT: 6.764 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046099.D

Acq: 04 Dec 2021 17:28

Instrument :

MSVOA_U

ClientSampleId :

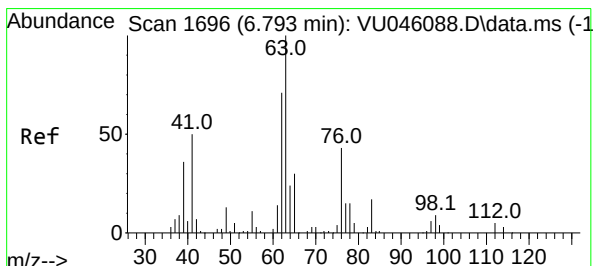
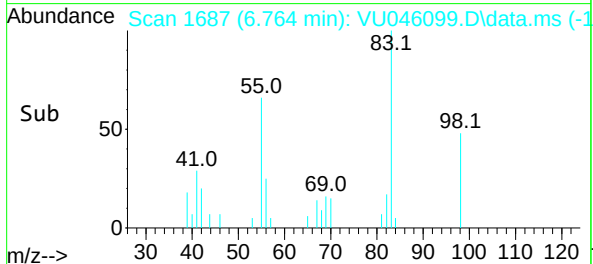
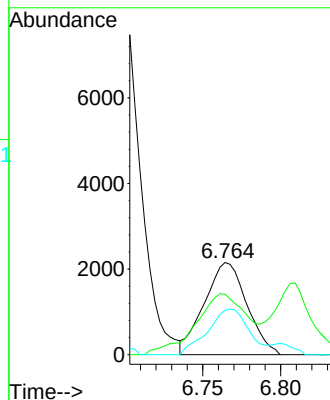
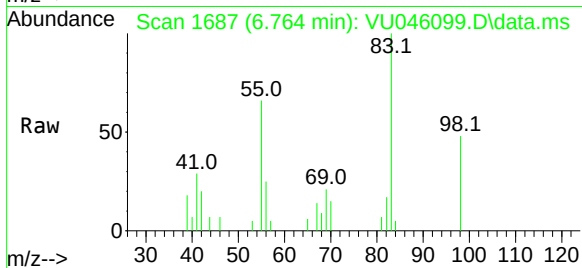
Tgt Ion: 83 Resp: 4094

Ion Ratio Lower Upper

83 100

55 57.9 57.8 86.6

98 48.2 38.4 57.6



#37

1,2-Dichloropropane

Concen: 4.689 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.100 min

Lab File: VU046099.D

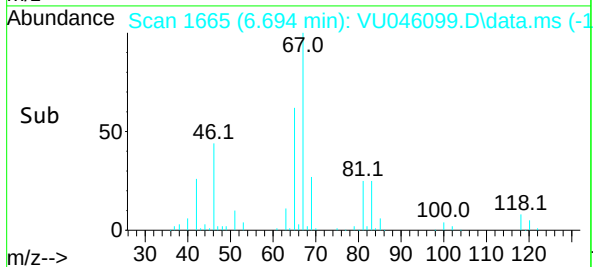
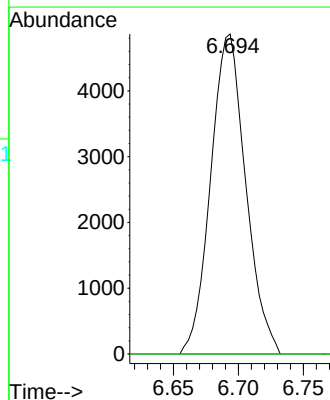
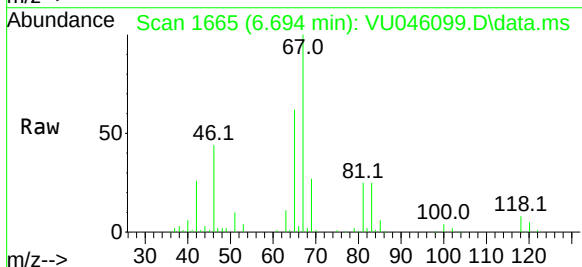
Acq: 04 Dec 2021 17:28

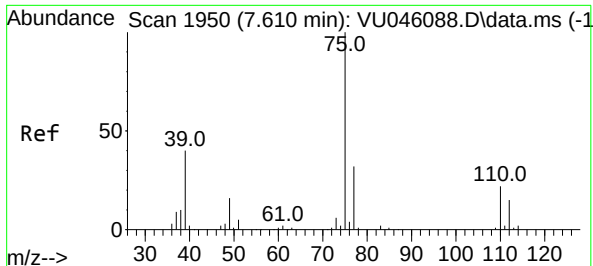
Tgt Ion: 63 Resp: 9109

Ion Ratio Lower Upper

63 100

112 12.2 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.845 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046099.D

Acq: 04 Dec 2021 17:28

Instrument :

MSVOA_U

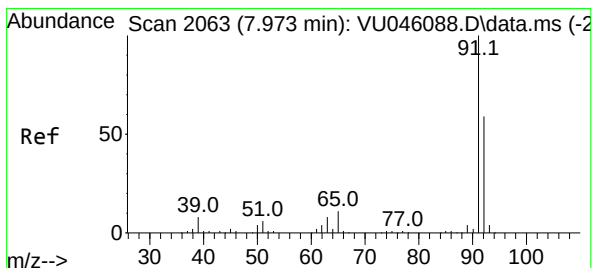
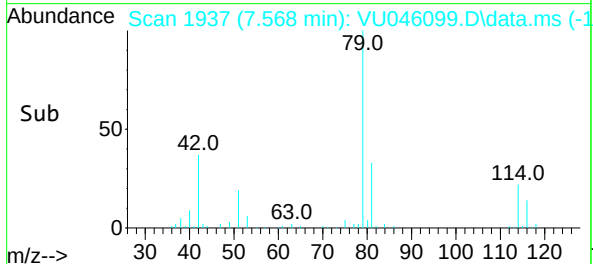
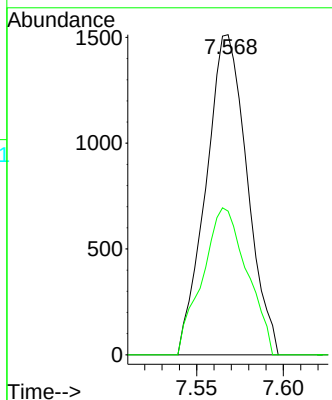
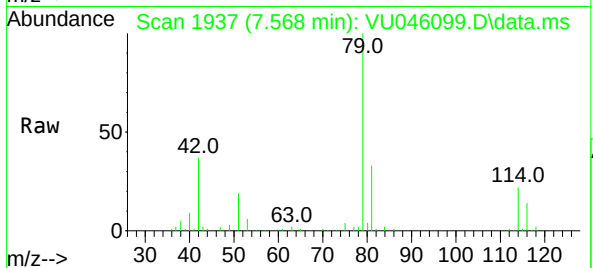
ClientSampleId :

Tgt Ion: 75 Resp: 2497

Ion Ratio Lower Upper

75 100

77 44.9 21.8 40.6#



#42

Toluene

Concen: 14.284 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU046099.D

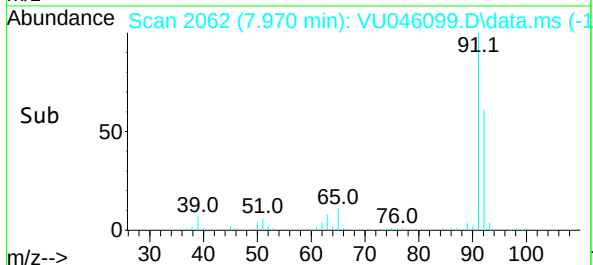
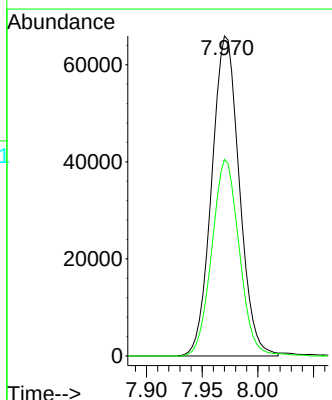
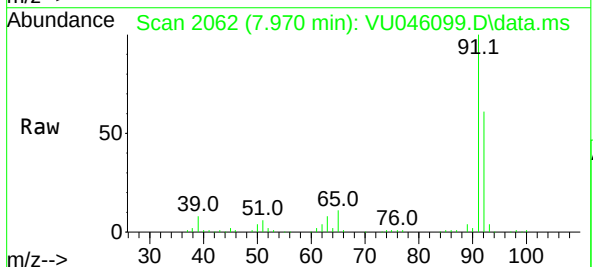
Acq: 04 Dec 2021 17:28

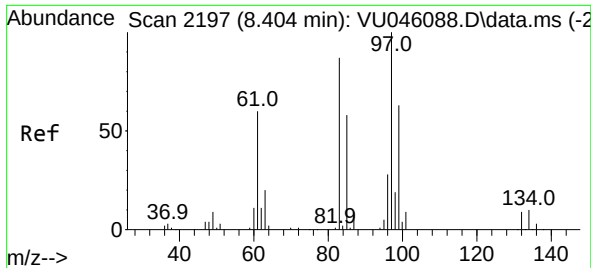
Tgt Ion: 91 Resp: 113659

Ion Ratio Lower Upper

91 100

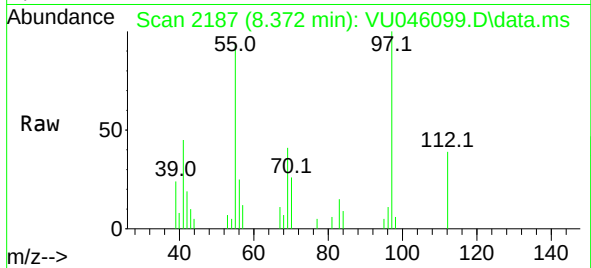
92 61.4 41.9 77.7



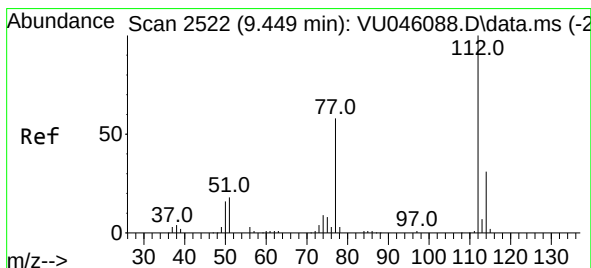
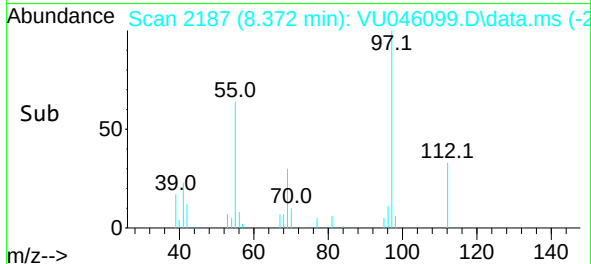
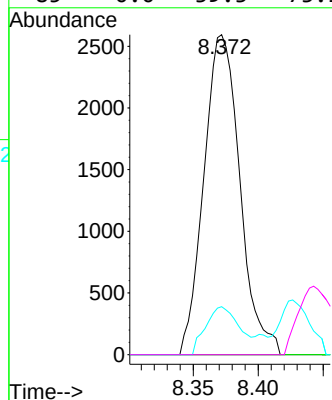


#45
 1,1,2-Trichloroethane
 Concen: 2.566 ug/L
 RT: 8.372 min Scan# 2197
 Delta R.T. -0.032 min
 Lab File: VU046099.D
 Acq: 04 Dec 2021 17:28

Instrument :
 MSVOA_U
 ClientSampleId :

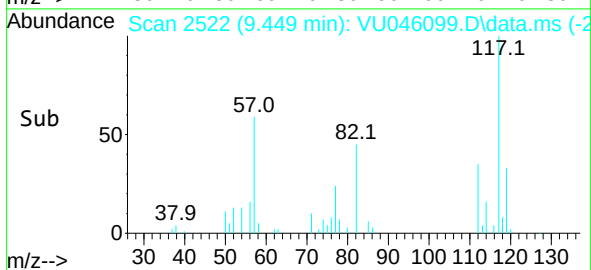
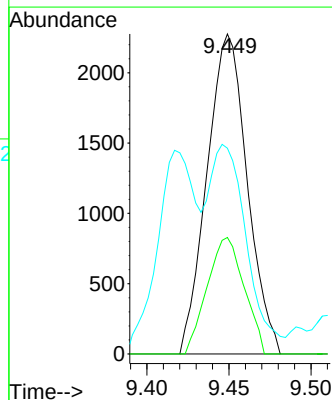
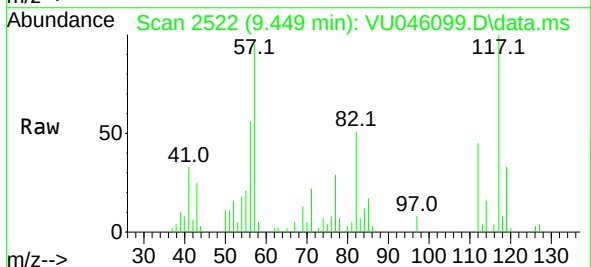


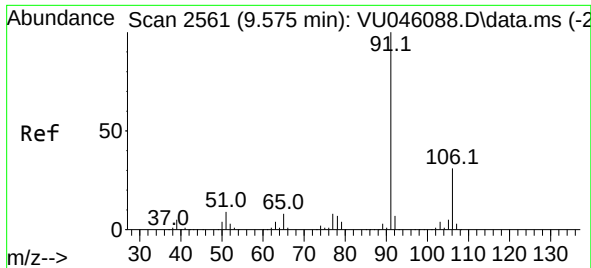
Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.7	82.9#
83	15.0	60.2	111.8#
85	0.0	39.3	73.1#



#51
 Chlorobenzene
 Concen: 0.753 ug/L
 RT: 9.449 min Scan# 2522
 Delta R.T. -0.000 min
 Lab File: VU046099.D
 Acq: 04 Dec 2021 17:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	36.4	22.2	41.2
77	64.3	47.4	71.0

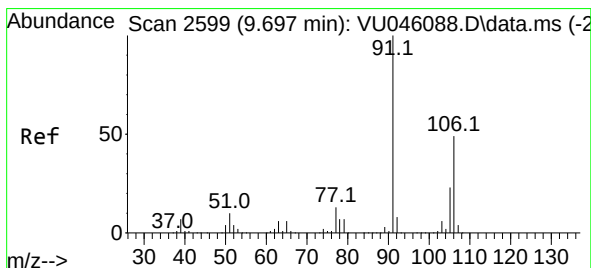
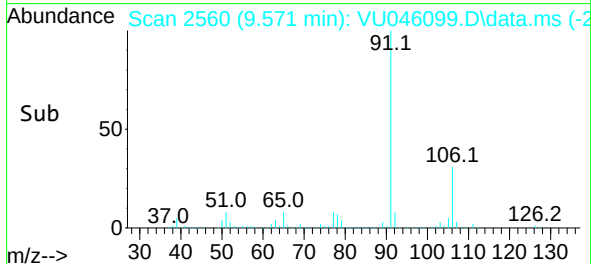
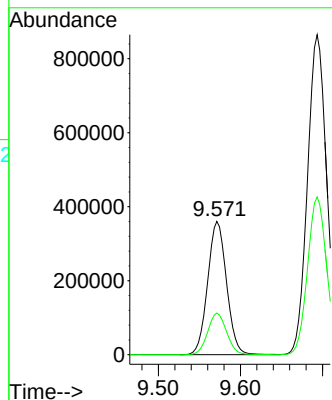
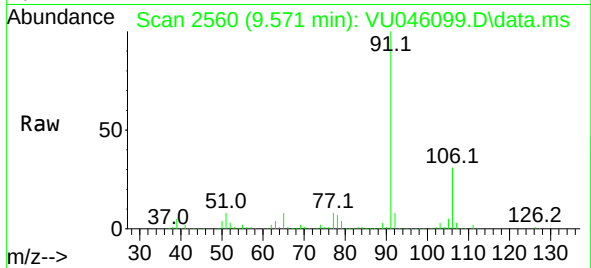




#52
Ethylbenzene
Concen: 67.324 ug/L
RT: 9.571 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046099.D
Acq: 04 Dec 2021 17:28

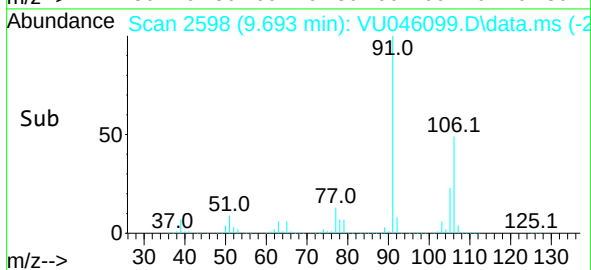
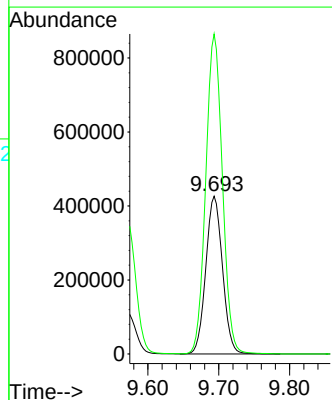
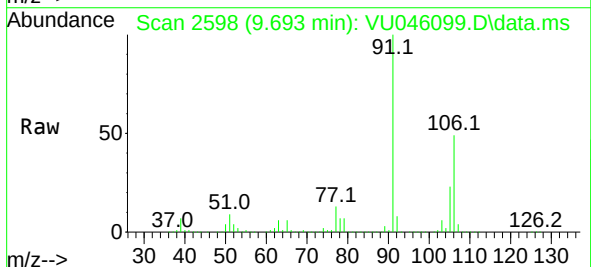
Instrument :
MSVOA_U
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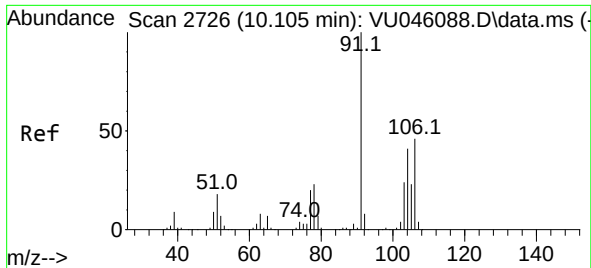
Tgt Ion: 91 Resp: 576530
Ion Ratio Lower Upper
91 100
106 31.2 21.1 39.3



#53
m,p-Xylene
Concen: 208.792 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046099.D
Acq: 04 Dec 2021 17:28

Tgt Ion:106 Resp: 697292
Ion Ratio Lower Upper
106 100
91 202.8 144.3 268.1

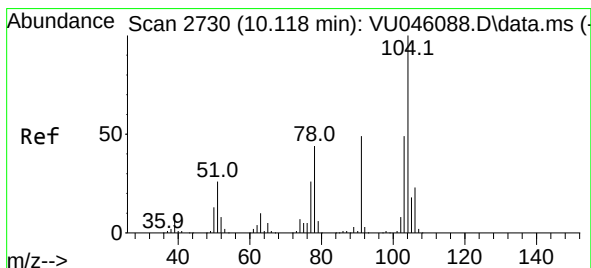
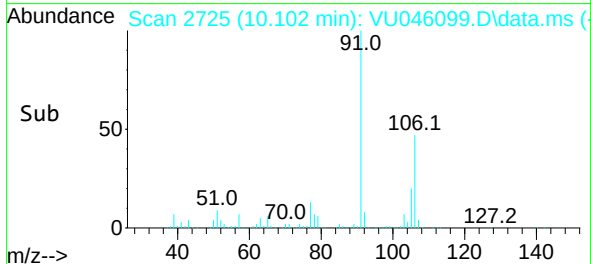
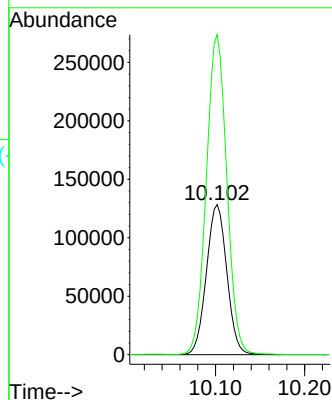
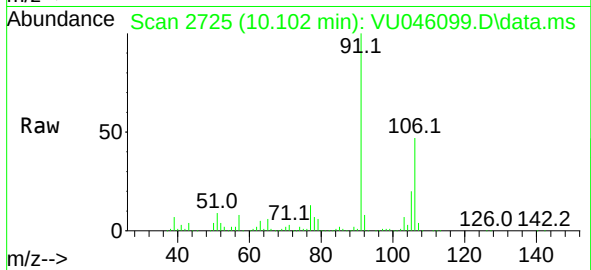




#54
o-xylene
Concen: 63.089 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046099.D
Acq: 04 Dec 2021 17:28

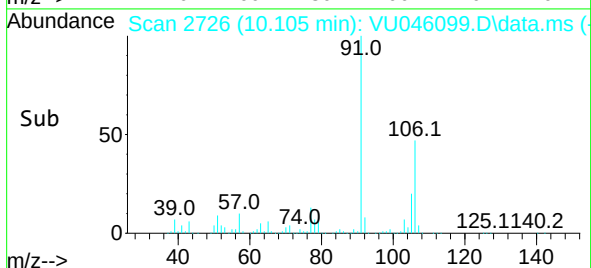
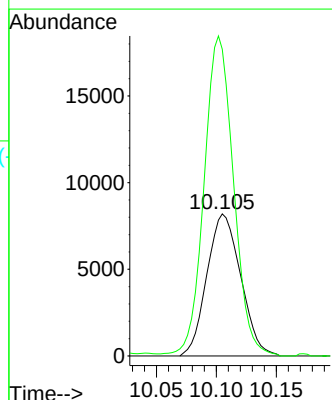
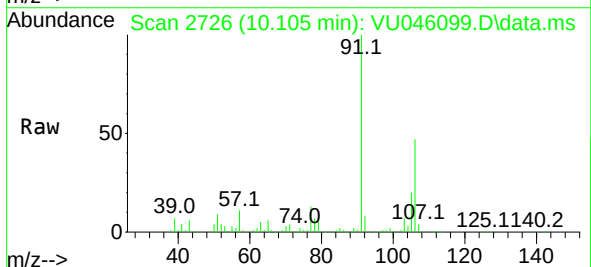
Instrument :
MSVOA_U
ClientSampleId :

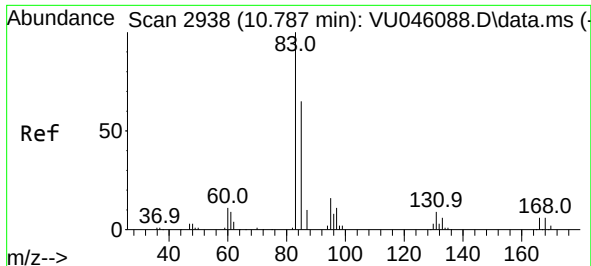
Tgt Ion:106 Resp: 204442
Ion Ratio Lower Upper
106 100
91 213.3 154.2 286.4



#55
Styrene
Concen: 2.908 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.013 min
Lab File: VU046099.D
Acq: 04 Dec 2021 17:28

Tgt Ion:104 Resp: 16089
Ion Ratio Lower Upper
104 100
78 215.8 32.6 60.5#





#57

1,1,2,2-Tetrachloroethane

Concen: 5.689 ug/L

RT: 10.809 min Scan# 2938

Delta R.T. 0.022 min

Lab File: VU046099.D

Acq: 04 Dec 2021 17:28

Instrument :

MSVOA_U

ClientSampleId :

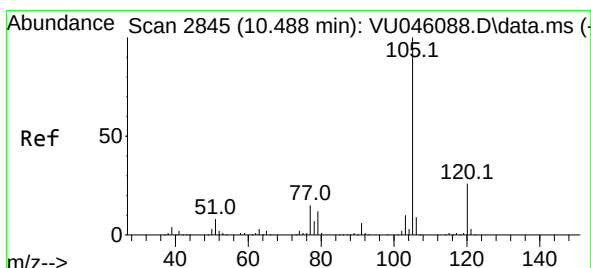
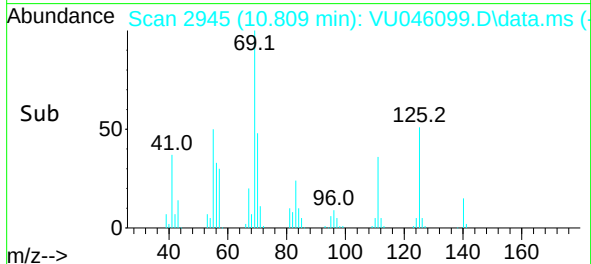
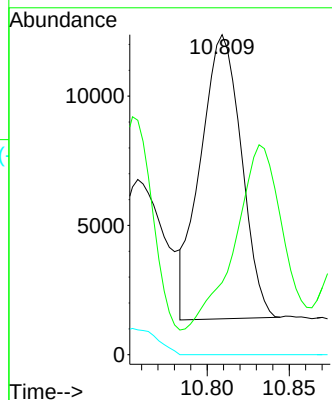
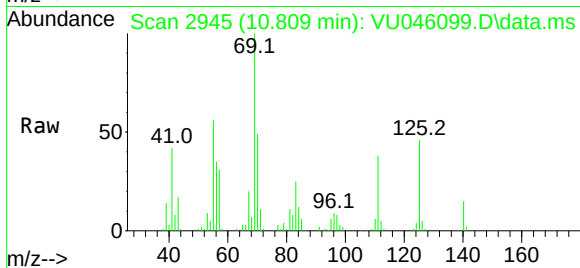
Tgt Ion: 83 Resp: 19008

Ion Ratio Lower Upper

83 100

85 22.6 45.6 84.6#

131 0.0 7.8 11.6#



#61

Isopropylbenzene

Concen: 15.679 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. -0.003 min

Lab File: VU046099.D

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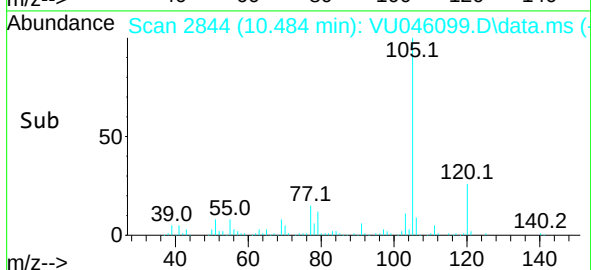
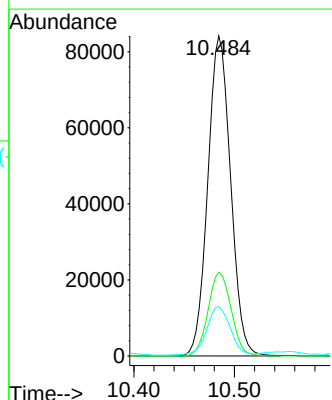
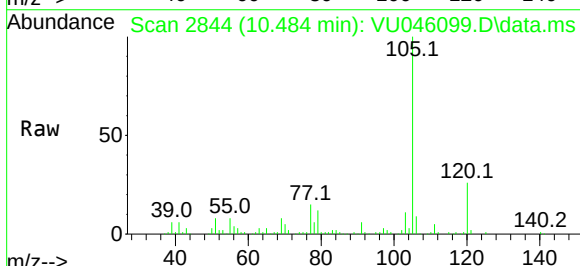
Tgt Ion:105 Resp: 132441

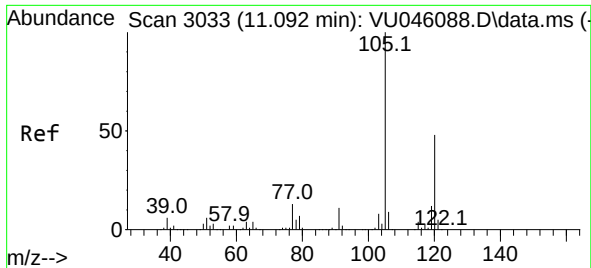
Ion Ratio Lower Upper

105 100

120 26.4 20.7 31.1

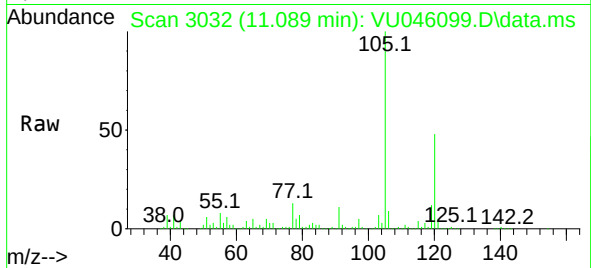
77 15.8 12.2 18.4



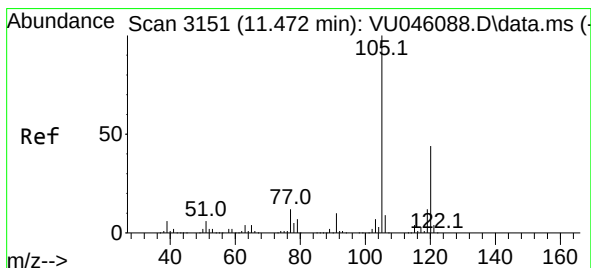
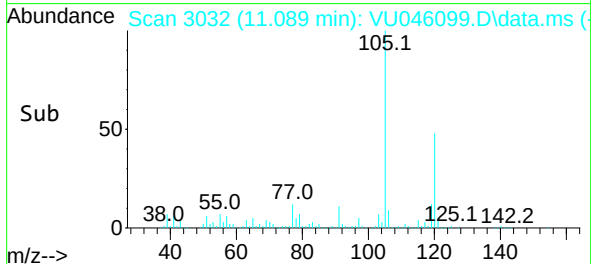
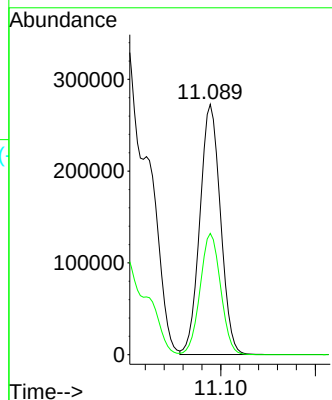


#62
 1,3,5-Trimethylbenzene
 Concen: 58.616 ug/L
 RT: 11.089 min Scan# 3033
 Delta R.T. -0.003 min
 Lab File: VU046099.D
 Acq: 04 Dec 2021 17:28

Instrument :
 MSVOA_U
 ClientSampleId :

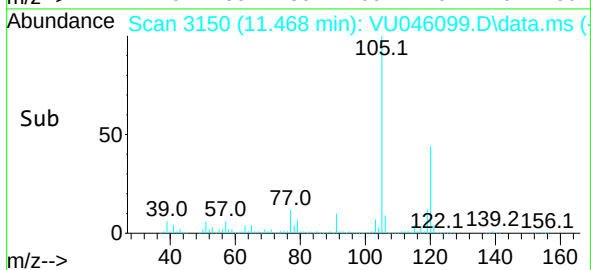
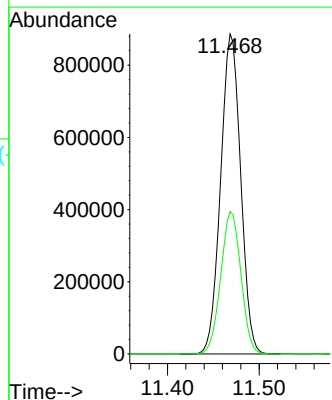
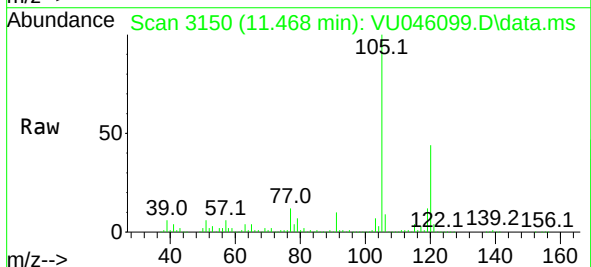


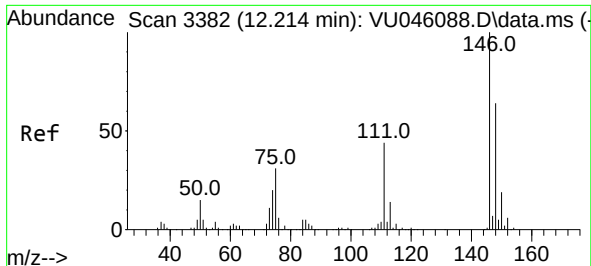
Tgt Ion:105 Resp: 412697
 Ion Ratio Lower Upper
 105 100
 120 48.3 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 190.928 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: VU046099.D
 Acq: 04 Dec 2021 17:28

Tgt Ion:105 Resp: 1344910
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.2 52.8





#67

1,2-Dichlorobenzene

Concen: 2.757 ug/L

RT: 12.214 min Scan# 311

Delta R.T. -0.000 min

Lab File: VU046099.D

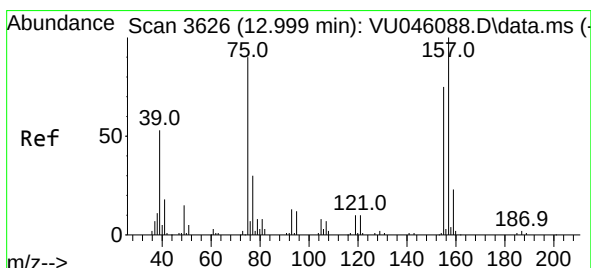
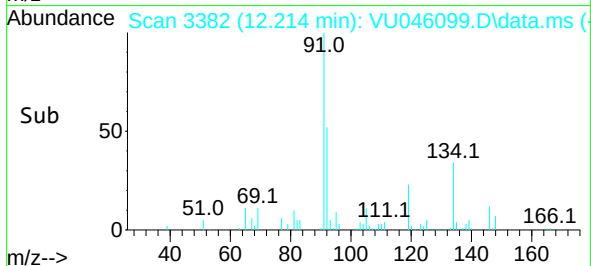
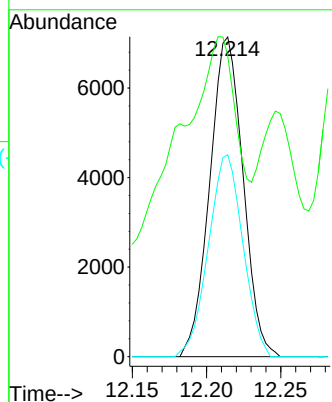
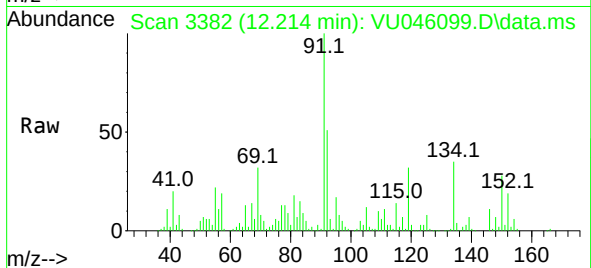
Acq: 04 Dec 2021 17:28

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:146	Resp:	11138
Ion Ratio	Lower	Upper
146	100	
111	94.1	35.7 53.5#
148	63.2	51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 1.920 ug/L

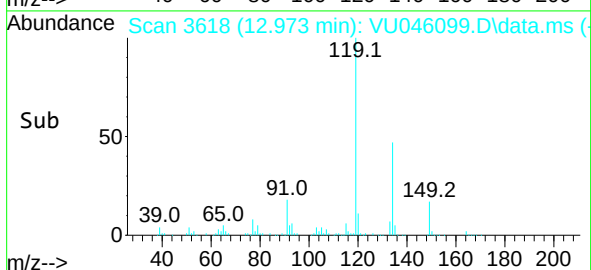
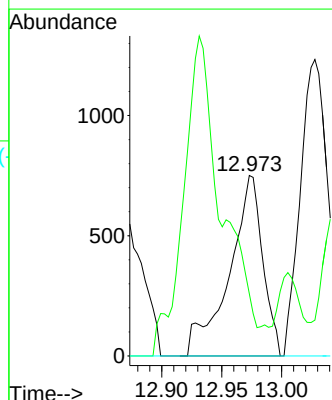
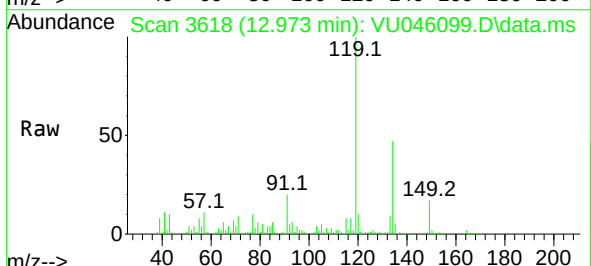
RT: 12.973 min Scan# 3618

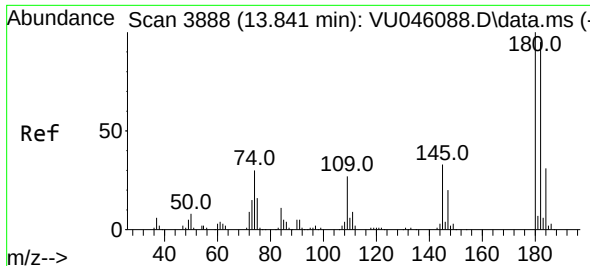
Delta R.T. -0.026 min

Lab File: VU046099.D

Acq: 04 Dec 2021 17:28

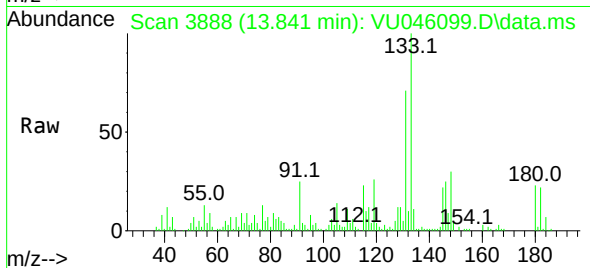
Tgt Ion: 75	Resp:	1456
Ion Ratio	Lower	Upper
75	100	
155	34.5	64.9 97.3#
157	0.0	81.9 122.9#



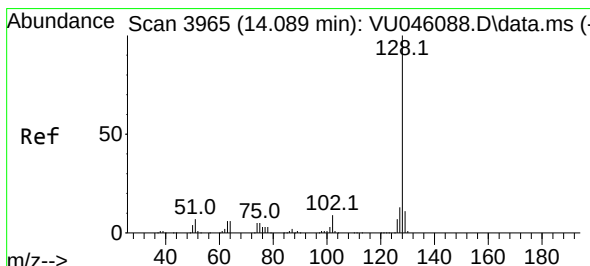
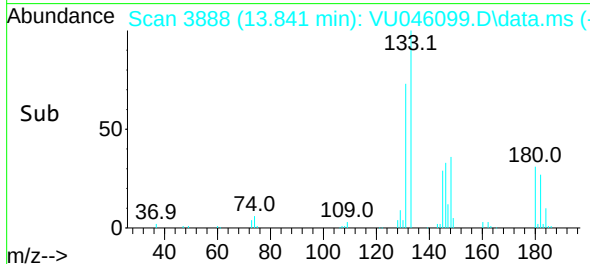
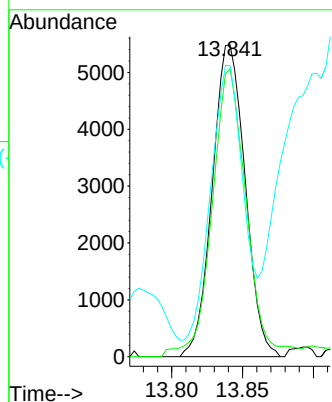


#70
1,2,4-trichlorobenzene
Concen: 3.407 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU046099.D
Acq: 04 Dec 2021 17:28

Instrument :
MSVOA_U
ClientSampleId :

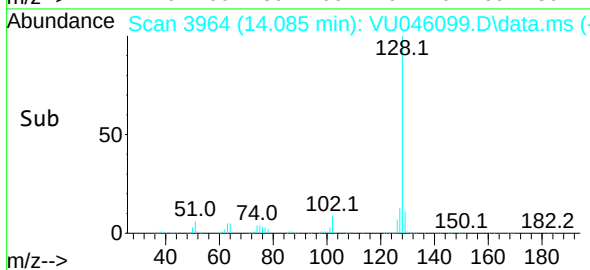
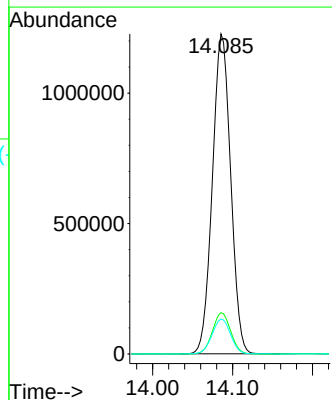
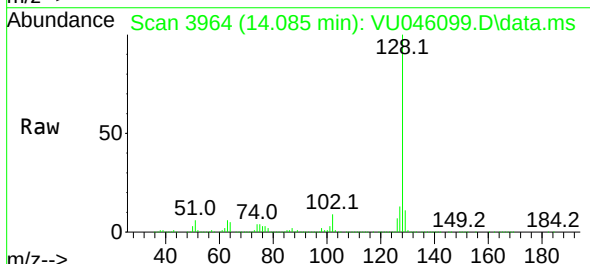


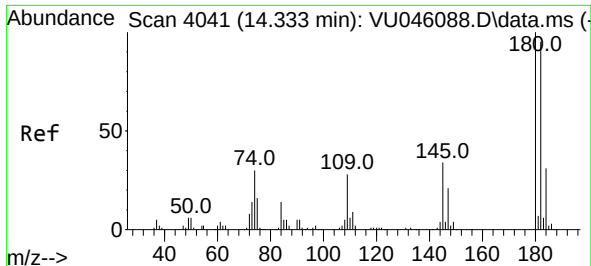
Tgt Ion:180 Resp: 8838
Ion Ratio Lower Upper
180 100
182 86.8 76.7 115.1
145 86.8 26.0 39.0#



#71
Naphthalene
Concen: 215.405 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU046099.D
Acq: 04 Dec 2021 17:28

Tgt Ion:128 Resp: 1944664
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.1 8.6 13.0





#72

1,2,3-Trichlorobenzene

Concen: 1.052 ug/L

RT: 14.330 min Scan# 40

Delta R.T. -0.000 min

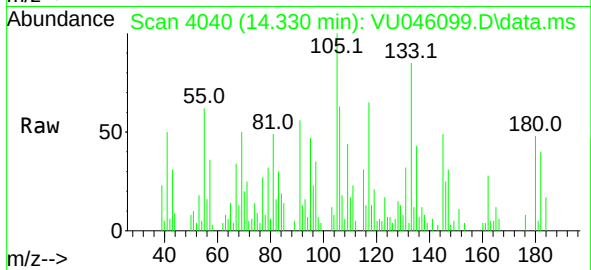
Lab File: VU046099.D

Acq: 04 Dec 2021 17:28

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 2783

Ion Ratio Lower Upper

180 100

182 75.1 76.0 114.0#

145 231.8 27.3 40.9#

