

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
 Data File : VU046049.D
 Acq On : 02 Dec 2021 14:04
 Operator : SY/MD
 Sample : M4868-11 10X
 Misc : 8.83g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 03 05:10:41 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	6.253	114	239500	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	234976	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	125845	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	103245	52.332	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	= 104.660%		
7) Chloroethane-d5	1.916	69	80004	52.816	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	= 105.640%		
11) 1,1-Dichloroethene-d2	2.568	63	145241	41.009	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 82.020%		
21) 2-Butanone-d5	4.636	46	167328	106.691	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	= 106.690%		
24) Chloroform-d	5.067	84	193837	58.835	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 117.660%		
26) 1,2-Dichloroethane-d4	5.706	65	129900	58.750	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 117.500%		
32) Benzene-d6	5.732	84	413509	61.399	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 122.800%		
36) 1,2-Dichloropropane-d6	6.694	67	131764	63.128	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	= 126.260%#		
41) Toluene-d8	7.899	98	373219	60.864	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 121.720%#		
43) trans-1,3-Dichloroprop...	8.182	79	62392	61.923	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 123.840%		
47) 2-Hexanone-d5	8.636	63	118579	119.821	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	= 119.820%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	187144	59.122	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	= 118.240%		
66) 1,2-Dichlorobenzene-d4	12.195	152	152715	63.013	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 126.020%#		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1277	0.733	ug/L #	21
12) 1,1-Dichloroethene	2.568	96	1123	0.678	ug/L #	1
20) cis-1,2-Dichloroethene	4.668	96	1805	0.949	ug/L	93
37) 1,2-Dichloropropane	6.694	63	14309	7.681	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	3684	1.300	ug/L #	64
42) Toluene	7.973	91	56183	7.362	ug/L	97
44) trans-1,3-Dichloropropene	8.182	75	2812	1.010	ug/L	94
52) Ethylbenzene	9.571	91	164167	19.989	ug/L	99
53) m,p-Xylene	9.697	106	240377	75.050	ug/L	98
54) o-xylene	10.102	106	62443	20.092	ug/L	98
55) Styrene	10.115	104	14251	2.686	ug/L #	62
57) 1,1,2,2-Tetrachloroethane	10.809	83	2096	0.654	ug/L #	46
61) Isopropylbenzene	10.488	105	65364	7.983	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	75595	11.077	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	225113	32.969	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	8344	2.130	ug/L #	91
69) 1,3,5-Trichlorobenzene	13.844	180	2503	0.883	ug/L #	79
70) 1,2,4-trichlorobenzene	13.844	180	2503	0.995	ug/L #	75
71) Naphthalene	14.089	128	982162	112.232	ug/L	100

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Instrument :
MSVOA_U
ClientSampleId :

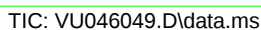
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

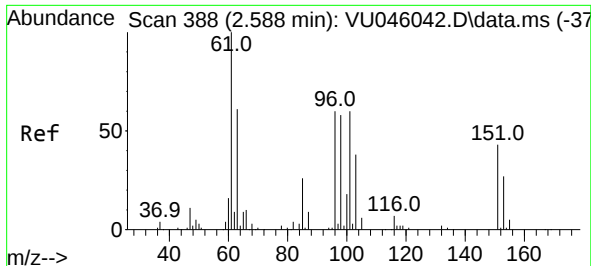
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ClientSampleId :

Response via : Initial Calibration

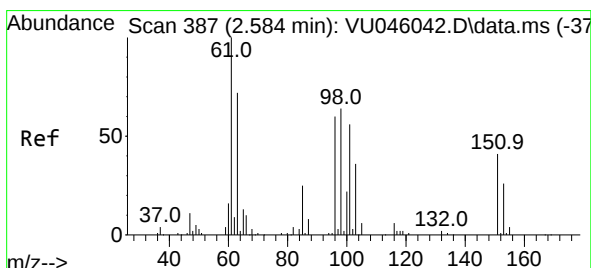
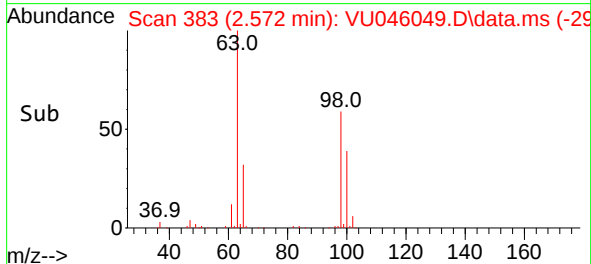
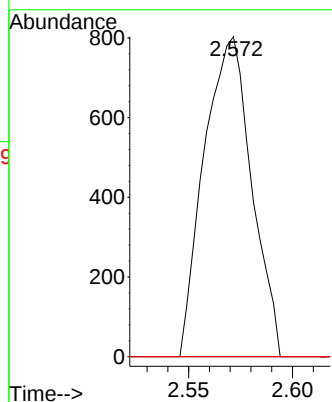
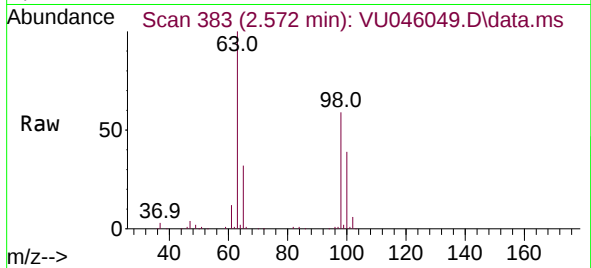




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.733 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046049.D
Acq: 02 Dec 2021 14:04

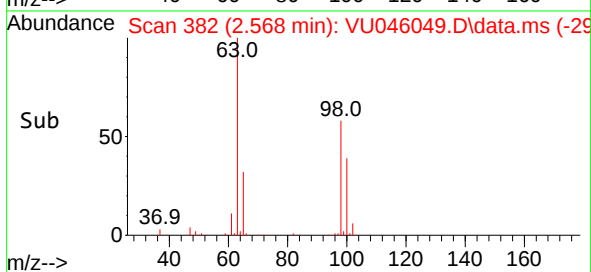
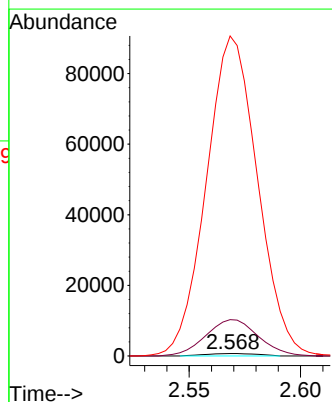
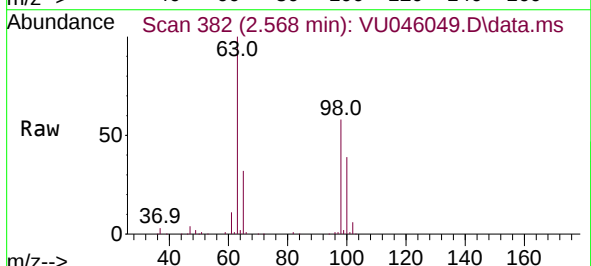
Instrument :
MSVOA_U
ClientSampleId :

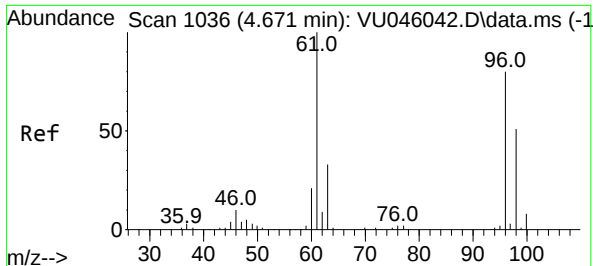
Tgt Ion:101 Resp: 1277
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.678 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.016 min
Lab File: VU046049.D
Acq: 02 Dec 2021 14:04

Tgt Ion: 96 Resp: 1123
Ion Ratio Lower Upper
96 100
61 1529.5 118.6 220.2#
63 13490.5 93.0 172.8#

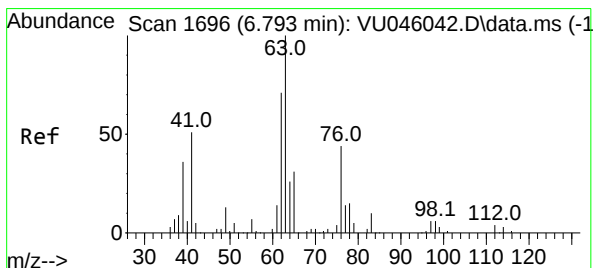
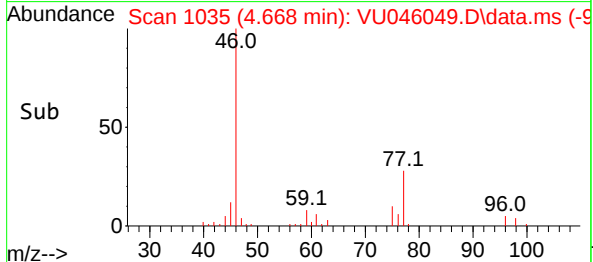
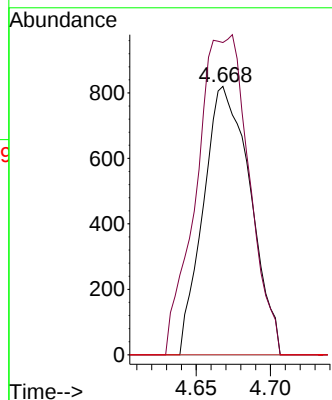
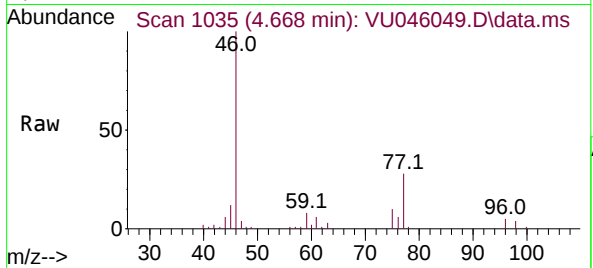




#20
 cis-1,2-Dichloroethene
 Concen: 0.949 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.003 min
 Lab File: VU046049.D
 Acq: 02 Dec 2021 14:04

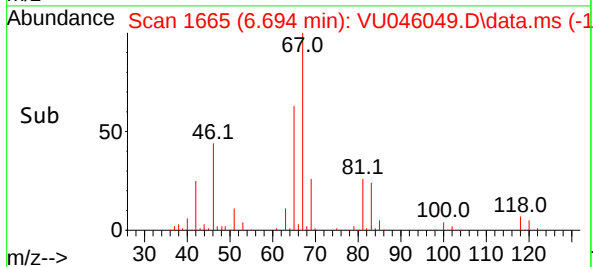
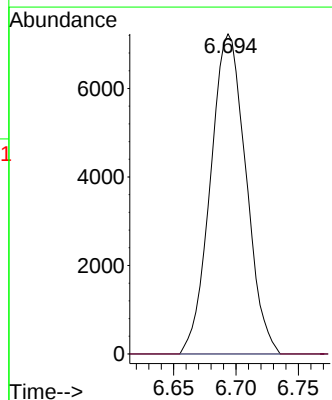
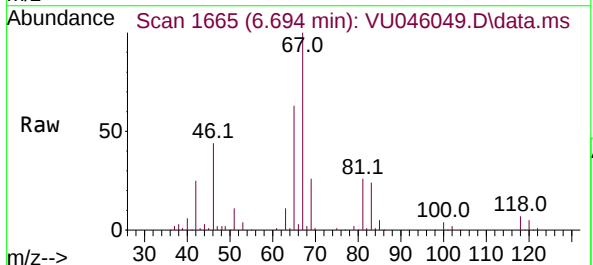
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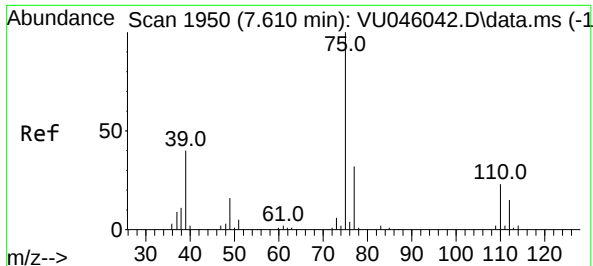
Tgt Ion: 96 Resp: 1805
 Ion Ratio Lower Upper
 96 100
 61 116.3 86.8 161.2
 68 0.0 0.0 0.0



#37
 1,2-Dichloropropane
 Concen: 7.681 ug/L
 RT: 6.694 min Scan# 1665
 Delta R.T. -0.100 min
 Lab File: VU046049.D
 Acq: 02 Dec 2021 14:04

Tgt Ion: 63 Resp: 14309
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.300 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU046049.D

Acq: 02 Dec 2021 14:04

Instrument :

MSVOA_U

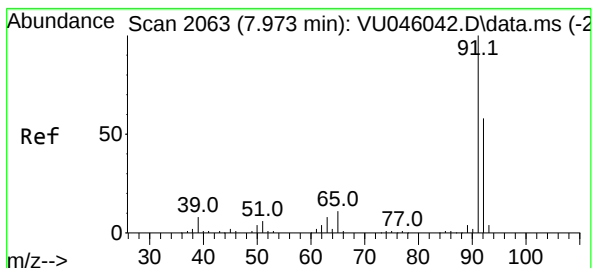
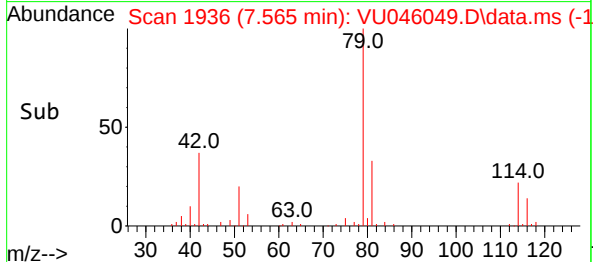
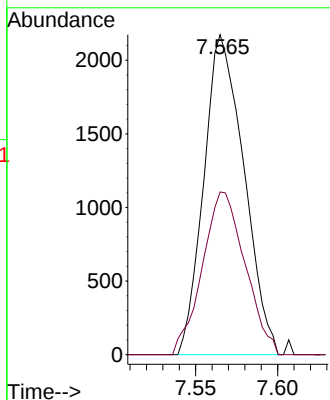
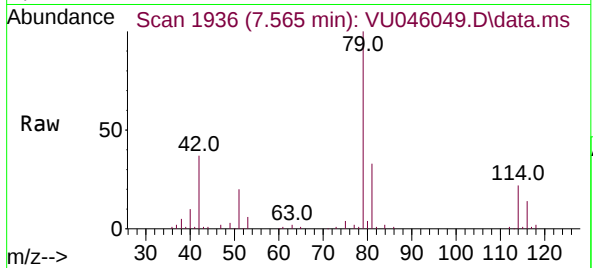
ClientSampleId :

Tgt Ion: 75 Resp: 3684

Ion Ratio Lower Upper

75 100

77 50.9 21.8 40.6#



#42

Toluene

Concen: 7.362 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046049.D

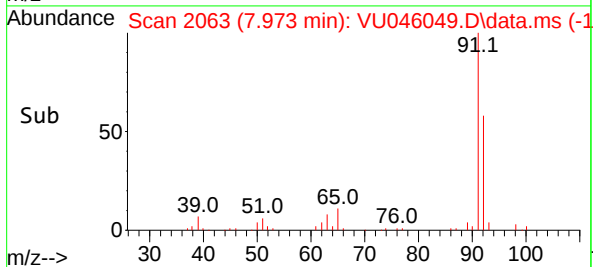
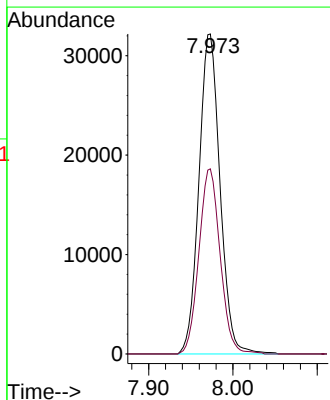
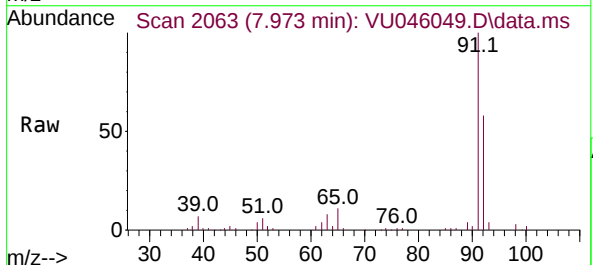
Acq: 02 Dec 2021 14:04

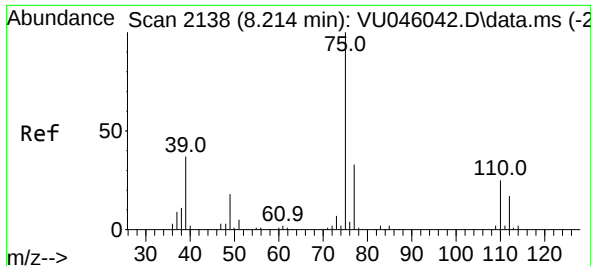
Tgt Ion: 91 Resp: 56183

Ion Ratio Lower Upper

91 100

92 57.8 41.9 77.7

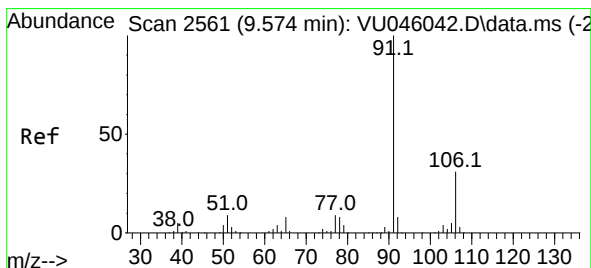
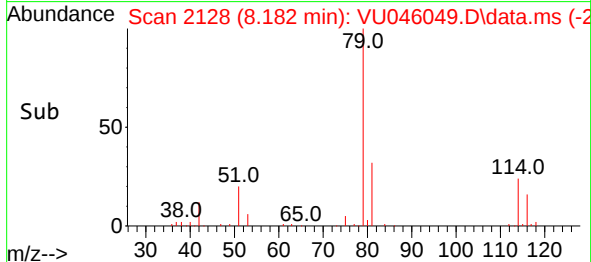
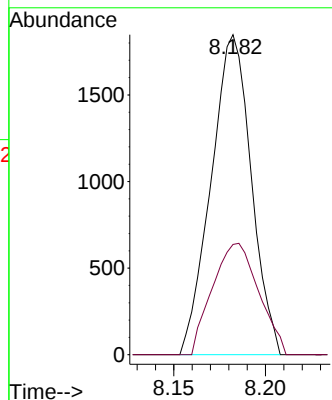
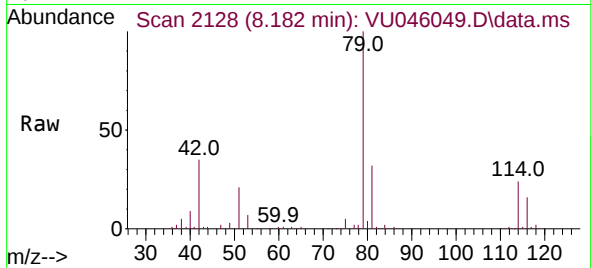




#44
trans-1,3-Dichloropropene
Concen: 1.010 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046049.D
Acq: 02 Dec 2021 14:04

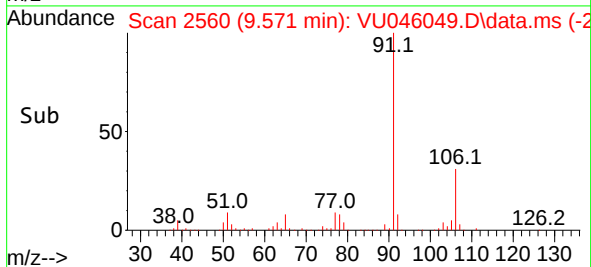
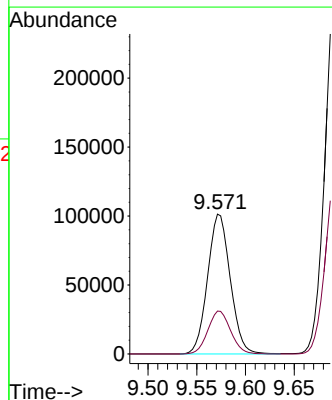
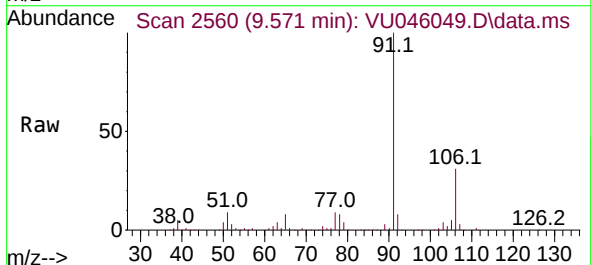
Instrument :
MSVOA_U
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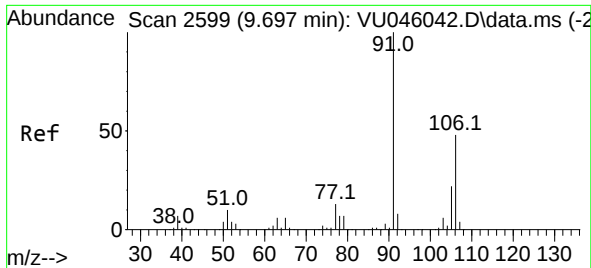
Tgt Ion: 75 Resp: 2812
Ion Ratio Lower Upper
75 100
77 34.5 21.7 40.3



#52
Ethylbenzene
Concen: 19.989 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046049.D
Acq: 02 Dec 2021 14:04

Tgt Ion: 91 Resp: 164167
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.3

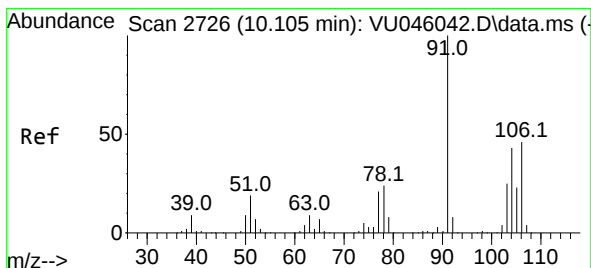
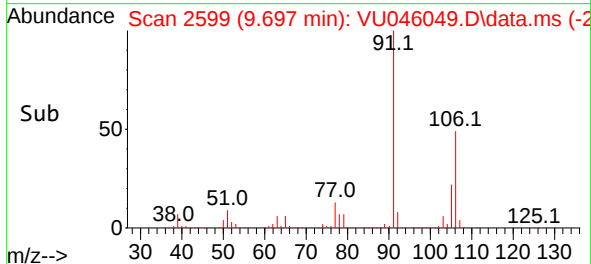
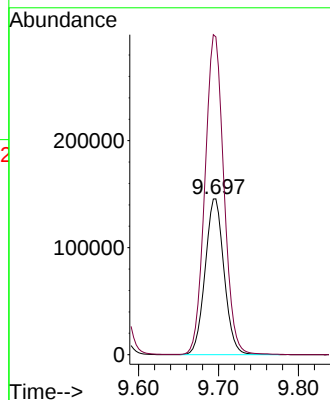
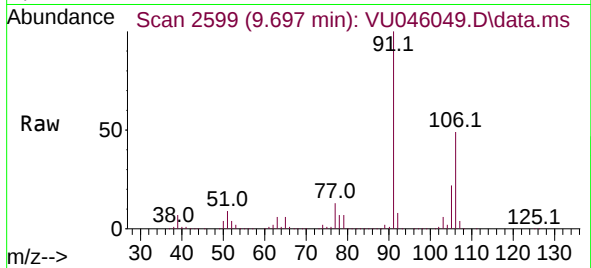




#53
m,p-Xylene
Concen: 75.050 ug/L
RT: 9.697 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046049.D
Acq: 02 Dec 2021 14:04

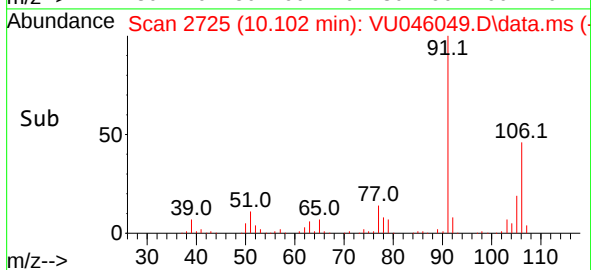
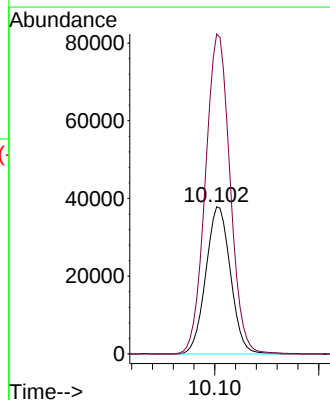
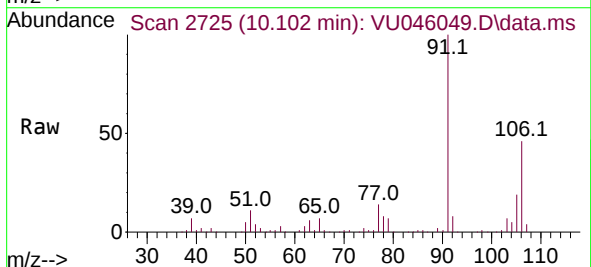
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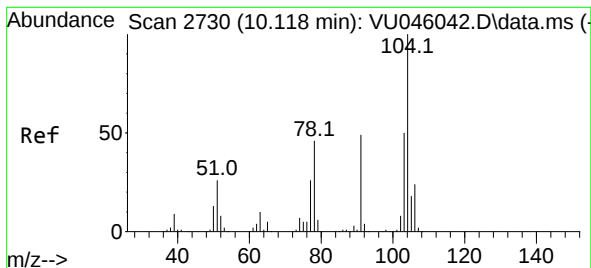
Tgt Ion:106 Resp: 240377
Ion Ratio Lower Upper
106 100
91 203.9 144.3 268.1



#54
o-xylene
Concen: 20.092 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046049.D
Acq: 02 Dec 2021 14:04

Tgt Ion:106 Resp: 62443
Ion Ratio Lower Upper
106 100
91 217.4 154.2 286.4





#55

Styrene

Concen: 2.686 ug/L

RT: 10.115 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU046049.D

Acq: 02 Dec 2021 14:04

Instrument :

MSVOA_U

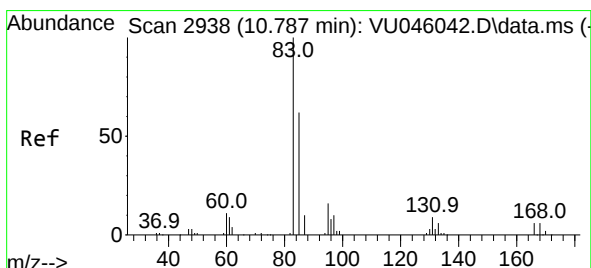
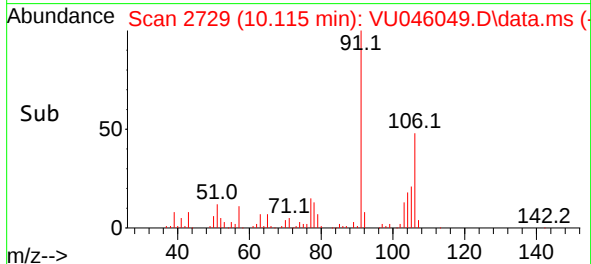
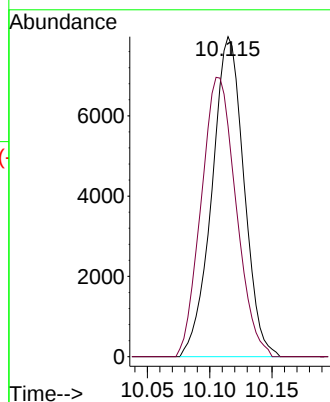
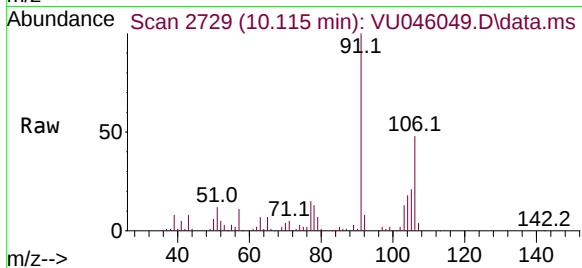
ClientSampleId :

Tgt Ion:104 Resp: 14251

Ion Ratio Lower Upper

104 100

78 72.0 32.6 60.5#



#57

1,1,2,2-Tetrachloroethane

Concen: 0.654 ug/L

RT: 10.809 min Scan# 2945

Delta R.T. 0.022 min

Lab File: VU046049.D

Acq: 02 Dec 2021 14:04

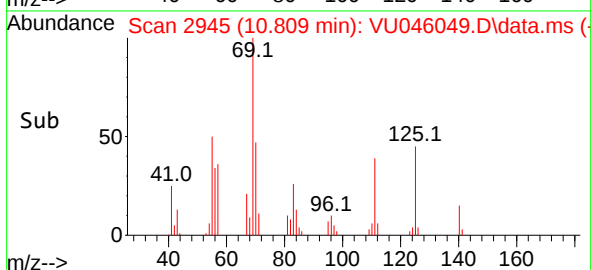
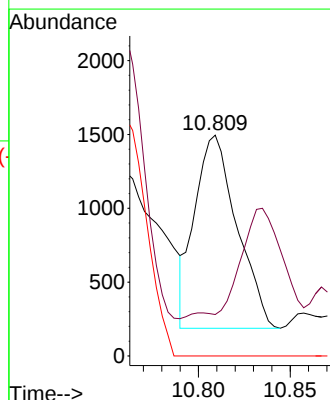
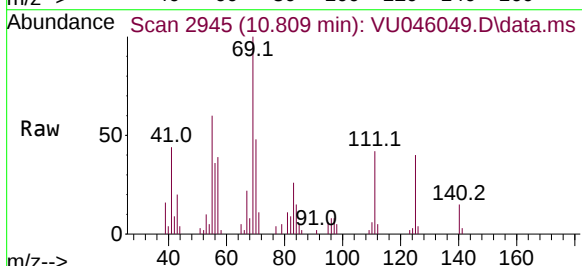
Tgt Ion: 83 Resp: 2096

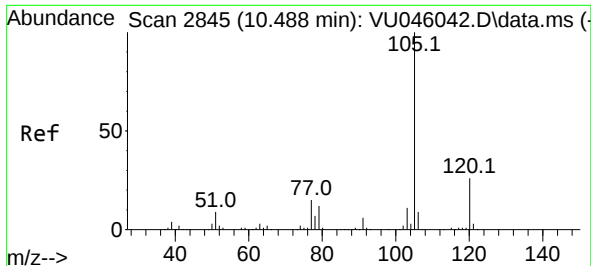
Ion Ratio Lower Upper

83 100

85 18.8 45.6 84.6#

131 0.0 7.8 11.6#

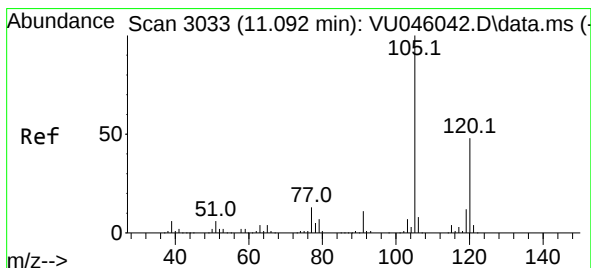
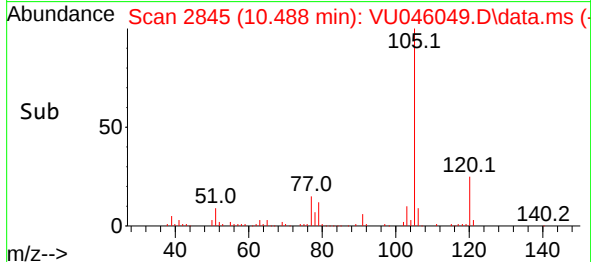
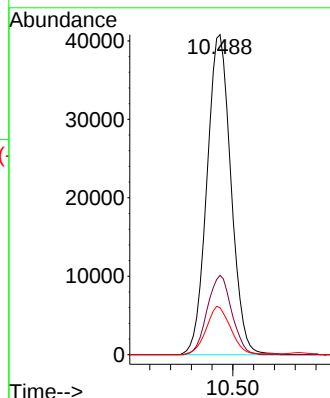
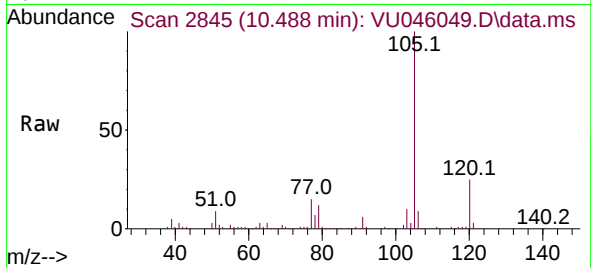




#61
Isopropylbenzene
Concen: 7.983 ug/L
RT: 10.488 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046049.D
Acq: 02 Dec 2021 14:04

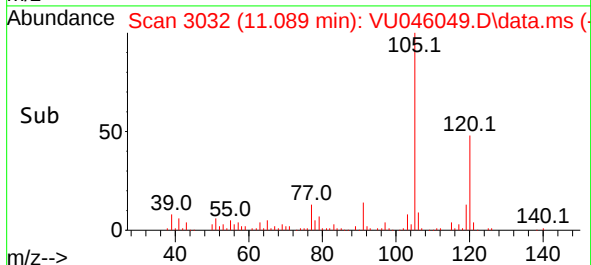
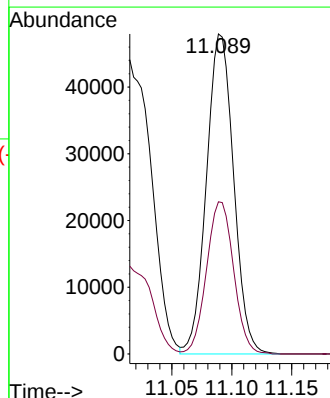
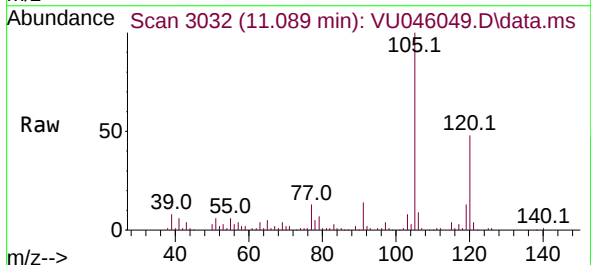
Instrument :
MSVOA_U
ClientSampleId :

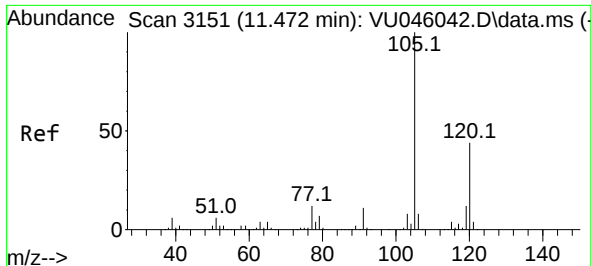
Tgt Ion:105 Resp: 65364
Ion Ratio Lower Upper
105 100
120 25.3 20.7 31.1
77 15.4 12.2 18.4



#62
1,3,5-Trimethylbenzene
Concen: 11.077 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046049.D
Acq: 02 Dec 2021 14:04

Tgt Ion:105 Resp: 75595
Ion Ratio Lower Upper
105 100
120 47.4 37.8 56.6

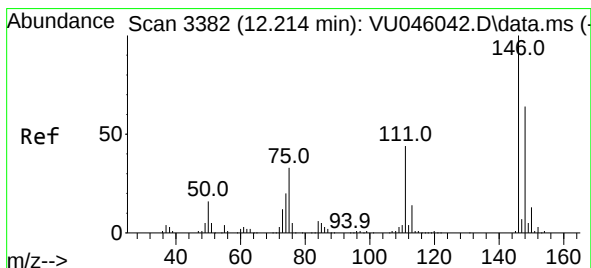
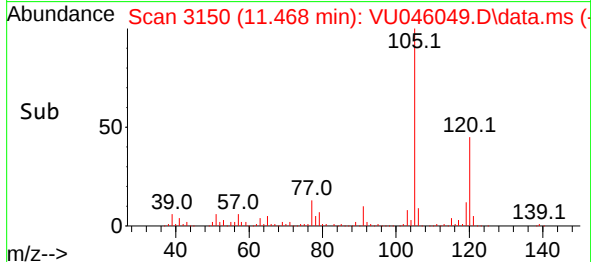
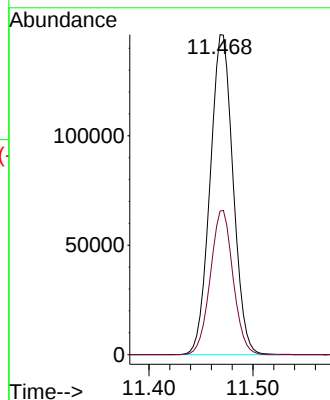
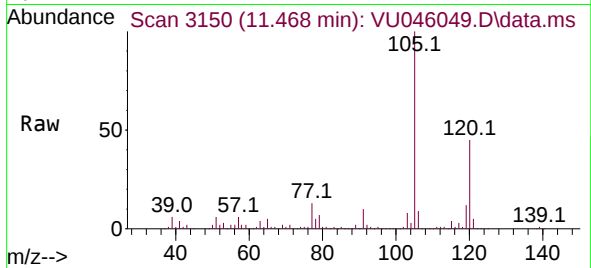




#63
1,2,4-Trimethylbenzene
Concen: 32.969 ug/L
RT: 11.468 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VU046049.D
Acq: 02 Dec 2021 14:04

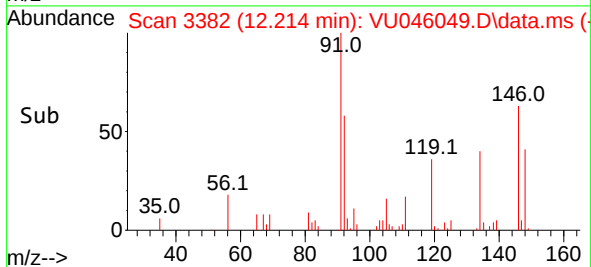
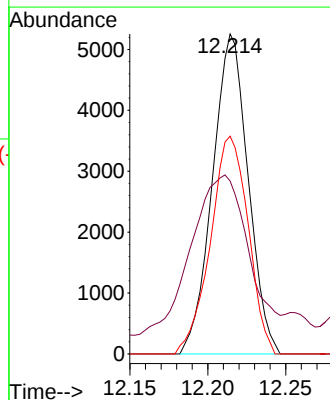
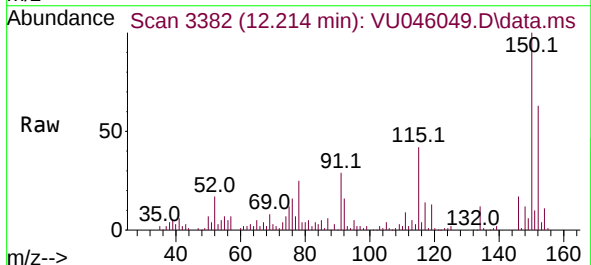
Instrument :
MSVOA_U
ClientSampleId :

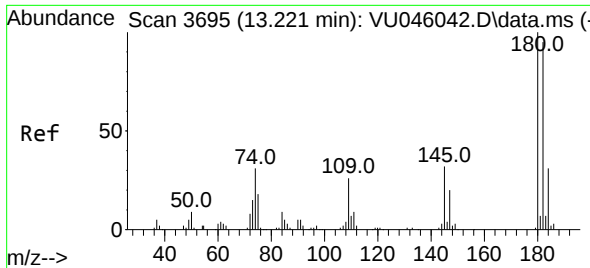
Tgt Ion:105 Resp: 225113
Ion Ratio Lower Upper
105 100
120 44.5 35.2 52.8



#67
1,2-Dichlorobenzene
Concen: 2.130 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU046049.D
Acq: 02 Dec 2021 14:04

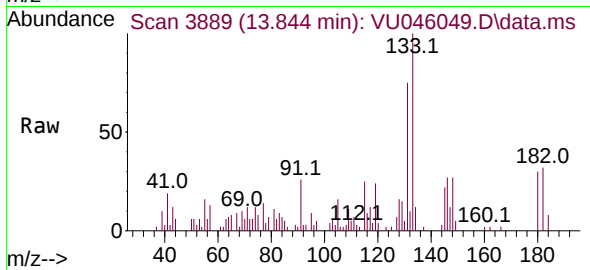
Tgt Ion:146 Resp: 8344
Ion Ratio Lower Upper
146 100
111 54.1 35.7 53.5#
148 68.0 51.2 76.8



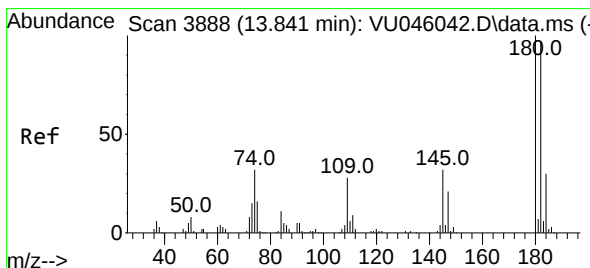
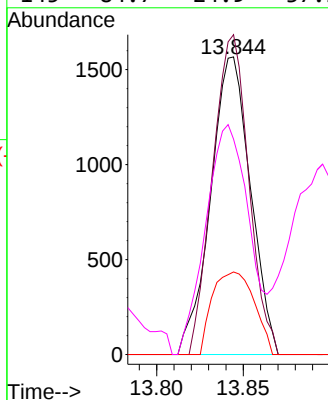
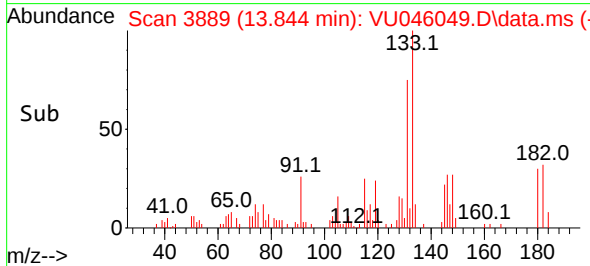


#69
 1,3,5-Trichlorobenzene
 Concen: 0.883 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.624 min
 Lab File: VU046049.D
 Acq: 02 Dec 2021 14:04

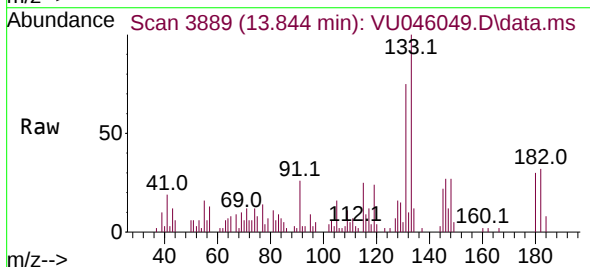
Instrument :
 MSVOA_U
 ClientSampleId :



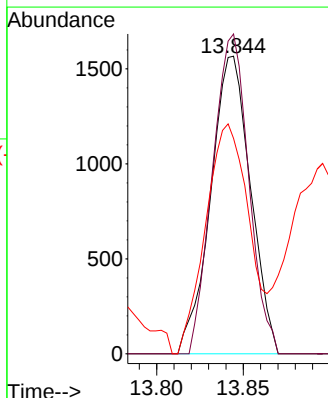
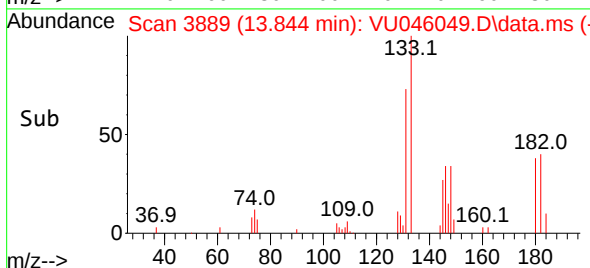
Tgt Ion:180 Resp: 2503
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.9 113.9
 184 29.2 24.2 36.4
 145 84.7 24.9 37.3#

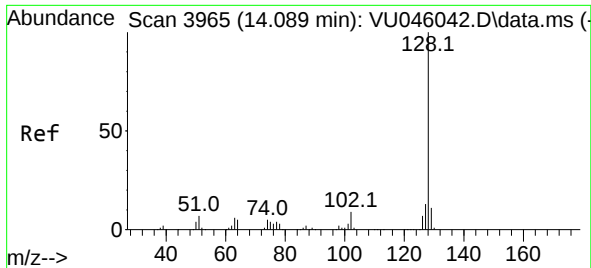


#70
 1,2,4-trichlorobenzene
 Concen: 0.995 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.003 min
 Lab File: VU046049.D
 Acq: 02 Dec 2021 14:04



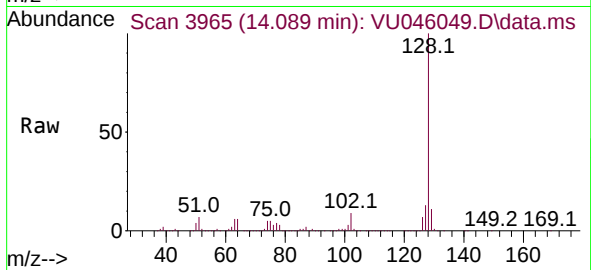
Tgt Ion:180 Resp: 2503
 Ion Ratio Lower Upper
 180 100
 182 97.6 76.7 115.1
 145 84.7 26.0 39.0#





#71
Naphthalene
Concen: 112.232 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU046049.D
Acq: 02 Dec 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 982162
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.9 8.6 13.0

