

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120321\
 Data File : VU046078.D
 Acq On : 03 Dec 2021 16:55
 Operator : SY/MD
 Sample : M4870-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 04 03:08:27 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)

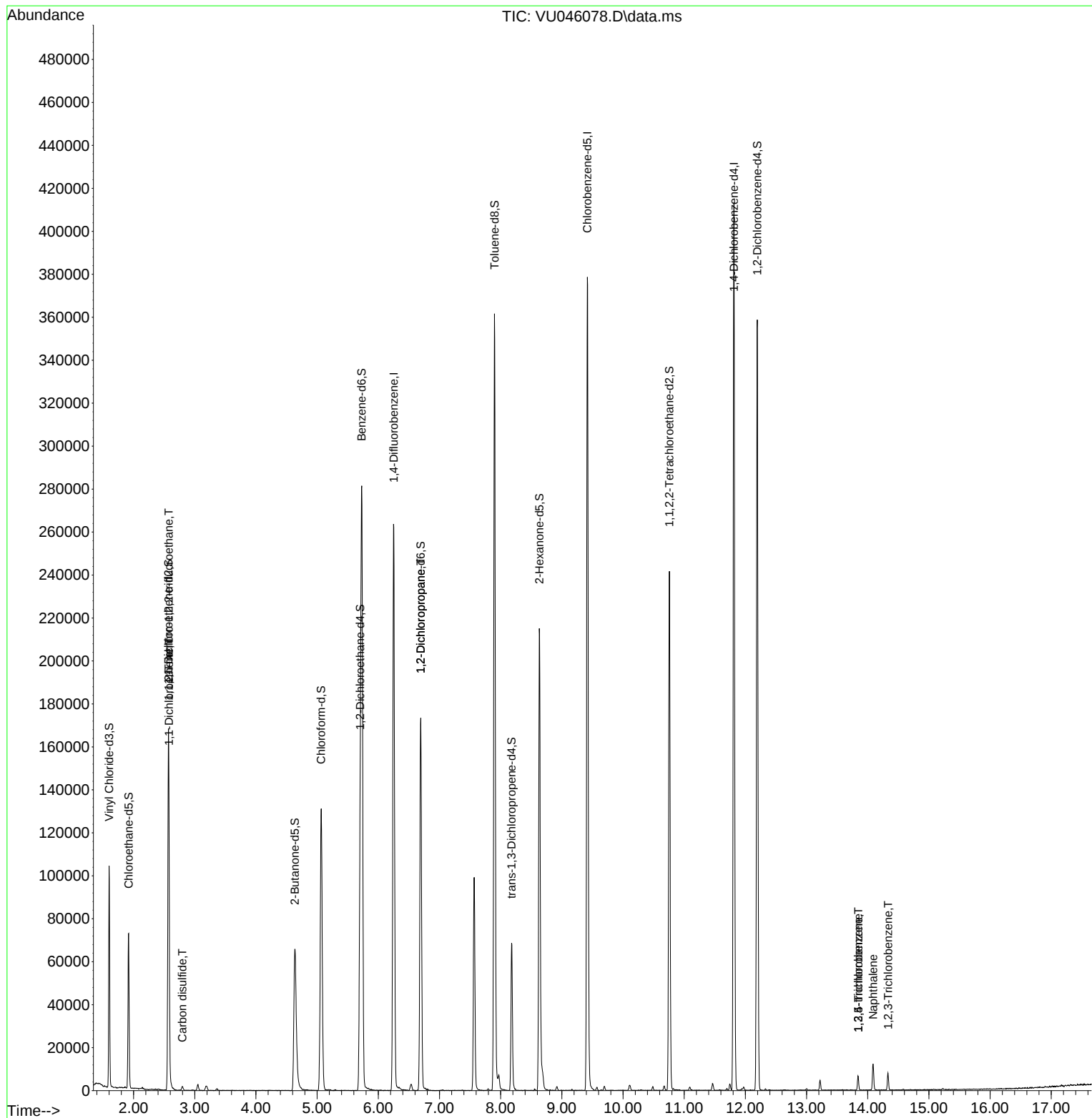
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	220011	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	217689	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	108619	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	70586	38.947	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.900%
7) Chloroethane-d5	1.919	69	52948	38.051	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.100%
11) 1,1-Dichloroethene-d2	2.572	63	98737	30.348	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.700%
21) 2-Butanone-d5	4.636	46	109215	75.806	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	75.810%
24) Chloroform-d	5.067	84	123246	40.722	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.440%
26) 1,2-Dichloroethane-d4	5.703	65	84171	41.441	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.880%
32) Benzene-d6	5.729	84	268300	43.001	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.000%
36) 1,2-Dichloropropane-d6	6.694	67	84062	43.472	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.940%
41) Toluene-d8	7.899	98	244095	42.968	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.940%
43) trans-1,3-Dichloroprop...	8.179	79	38759	41.522	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.040%
47) 2-Hexanone-d5	8.633	63	79952	87.205	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.200%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	120857	41.213	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.420%
66) 1,2-Dichlorobenzene-d4	12.195	152	93829	44.855	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.720%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	955	0.597	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	805	0.529	ug/L #	1
14) Carbon disulfide	2.797	76	2526	0.535	ug/L	97
37) 1,2-Dichloropropane	6.694	63	8775	5.084	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.845	180	2290	0.936	ug/L	93
70) 1,2,4-trichlorobenzene	13.845	180	2290	1.055	ug/L	92
71) Naphthalene	14.089	128	10365	1.372	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	2821	1.274	ug/L	95

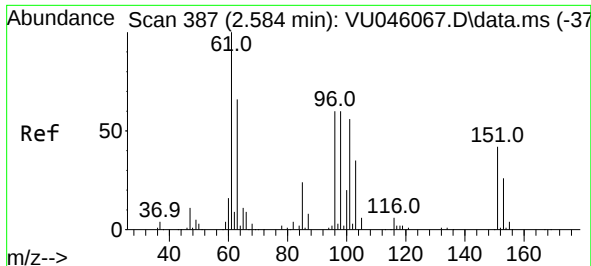
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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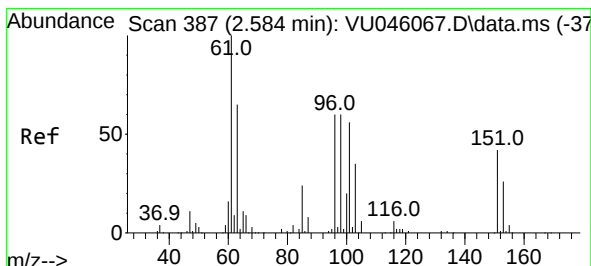
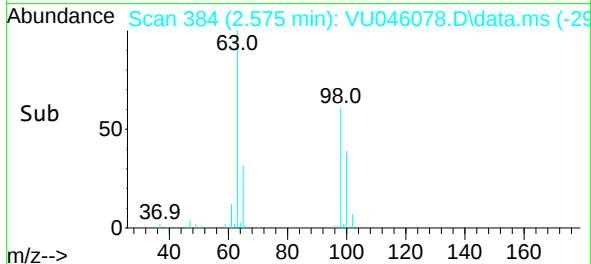
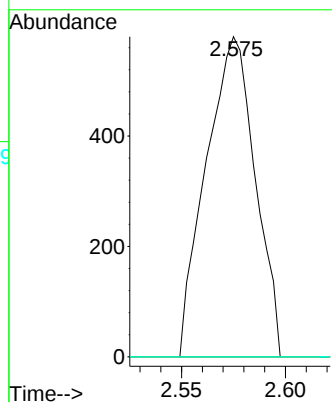
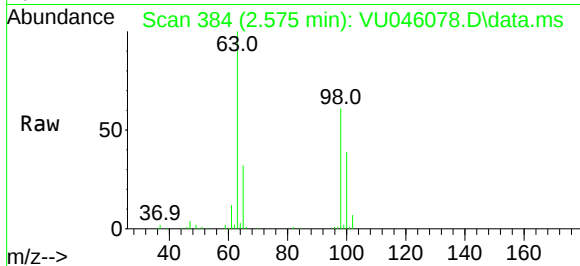




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.597 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046078.D
Acq: 03 Dec 2021 16:55

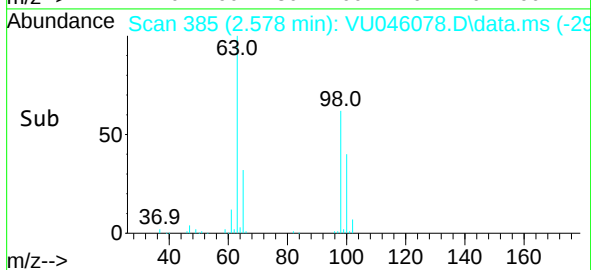
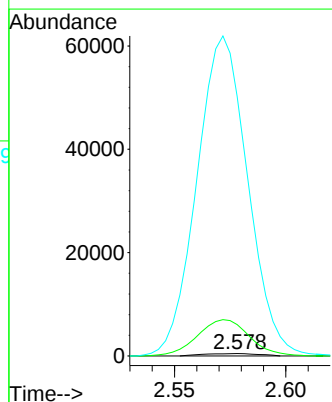
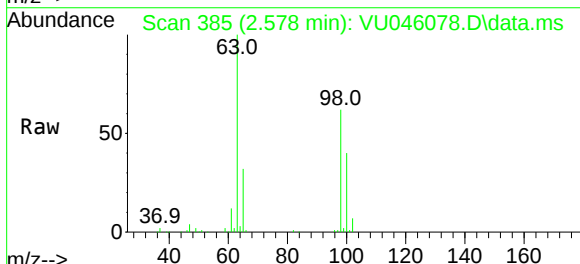
Instrument :
MSVOA_U
ClientSampleId :

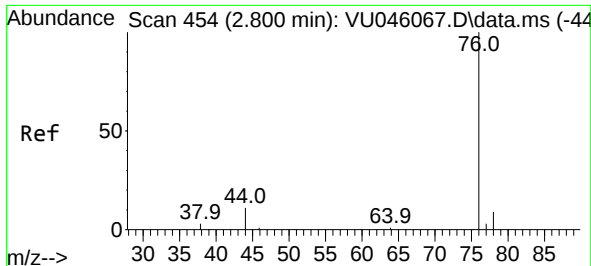
Tgt Ion:101 Resp: 955
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.529 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU046078.D
Acq: 03 Dec 2021 16:55

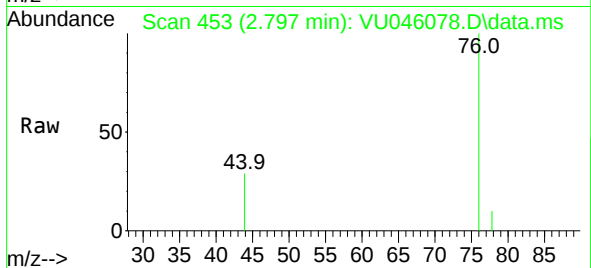
Tgt Ion: 96 Resp: 805
Ion Ratio Lower Upper
96 100
61 1298.7 118.6 220.2#
63 10756.3 93.0 172.8#



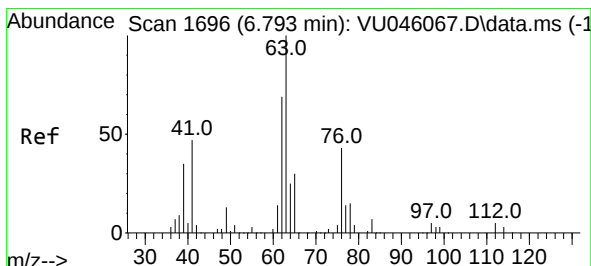
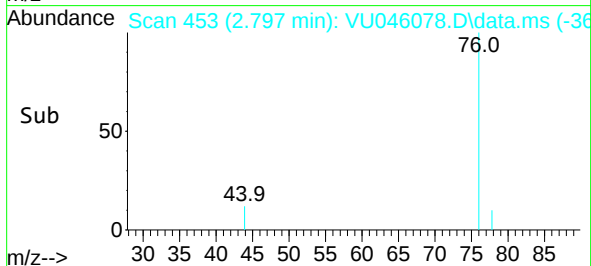
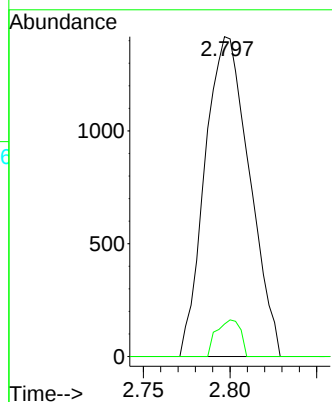


#14
Carbon disulfide
Concen: 0.535 ug/L
RT: 2.797 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU046078.D
Acq: 03 Dec 2021 16:55

Instrument :
MSVOA_U
ClientSampleId :

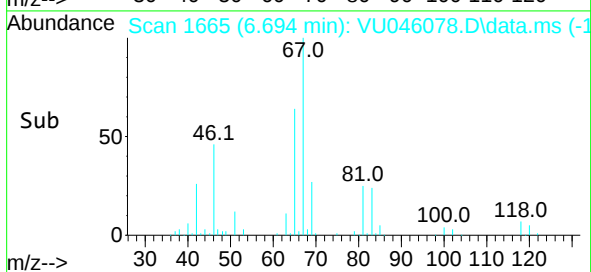
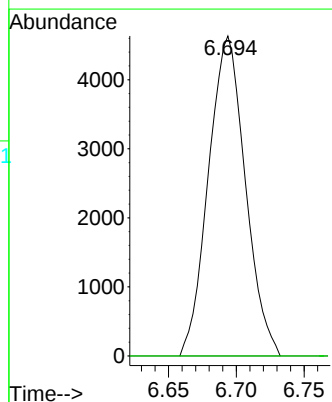
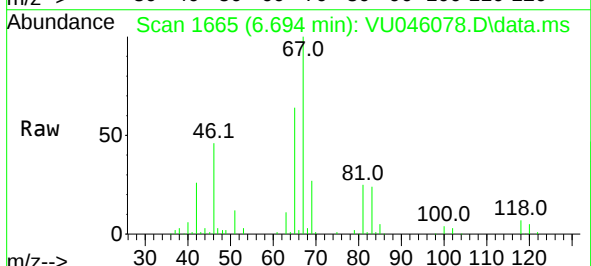


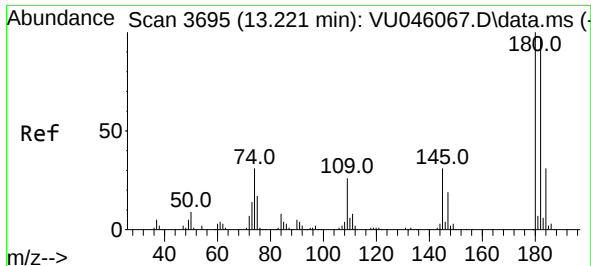
Tgt Ion: 76 Resp: 2526
Ion Ratio Lower Upper
76 100
78 10.2 7.3 10.9



#37
1,2-Dichloropropane
Concen: 5.084 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046078.D
Acq: 03 Dec 2021 16:55

Tgt Ion: 63 Resp: 8775
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#69

1,3,5-Trichlorobenzene

Concen: 0.936 ug/L

RT: 13.845 min Scan# 3889

Delta R.T. 0.624 min

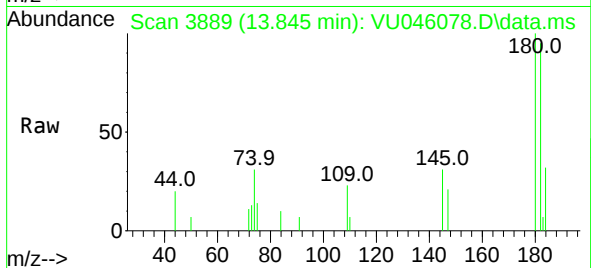
Lab File: VU046078.D

Acq: 03 Dec 2021 16:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 2290

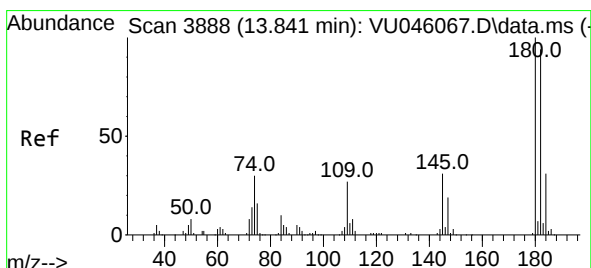
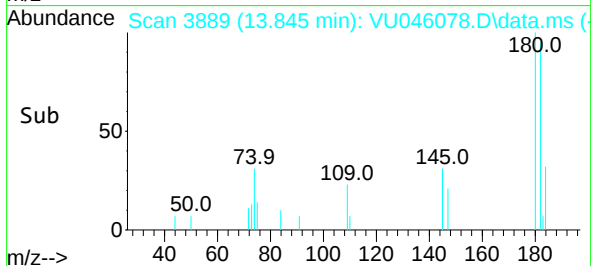
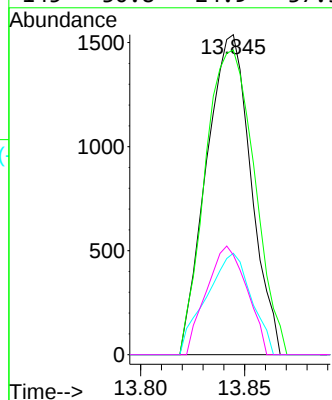
Ion Ratio Lower Upper

180 100

182 105.4 75.9 113.9

184 32.1 24.2 36.4

145 30.8 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 1.055 ug/L

RT: 13.845 min Scan# 3889

Delta R.T. 0.003 min

Lab File: VU046078.D

Acq: 03 Dec 2021 16:55

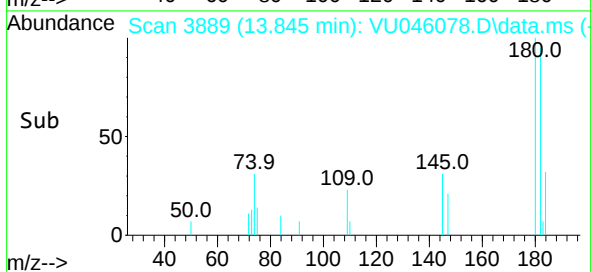
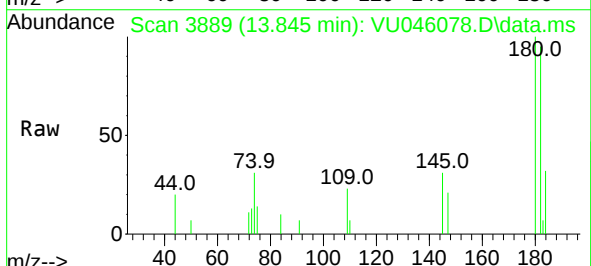
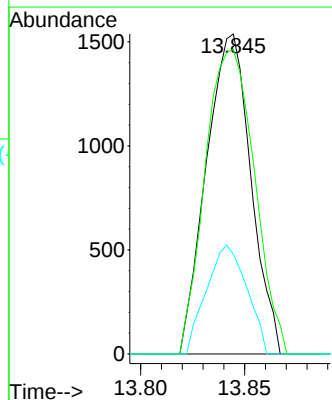
Tgt Ion:180 Resp: 2290

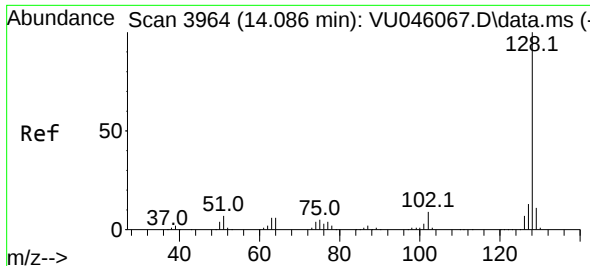
Ion Ratio Lower Upper

180 100

182 105.4 76.7 115.1

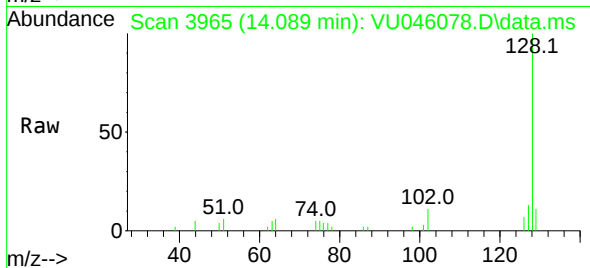
145 30.8 26.0 39.0



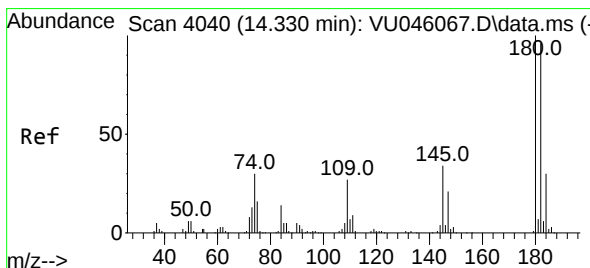
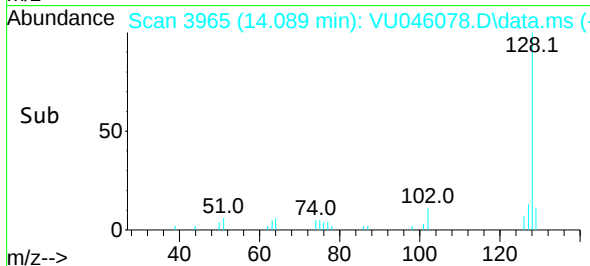
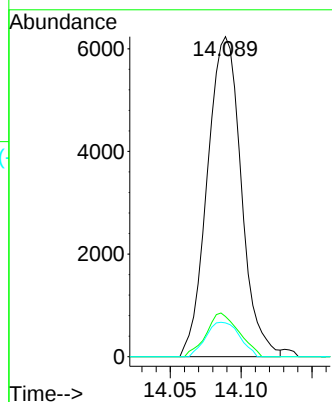


#71
Naphthalene
Concen: 1.372 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU046078.D
Acq: 03 Dec 2021 16:55

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 10365
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 1.274 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU046078.D
Acq: 03 Dec 2021 16:55

Tgt Ion:180 Resp: 2821
Ion Ratio Lower Upper
180 100
182 90.8 76.0 114.0
145 31.0 27.3 40.9

