

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
 Data File : VU046150.D
 Acq On : 07 Dec 2021 19:34
 Operator : SY/MD
 Sample : M4887-04ME
 Misc : 5.31g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 08 04:54:50 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)

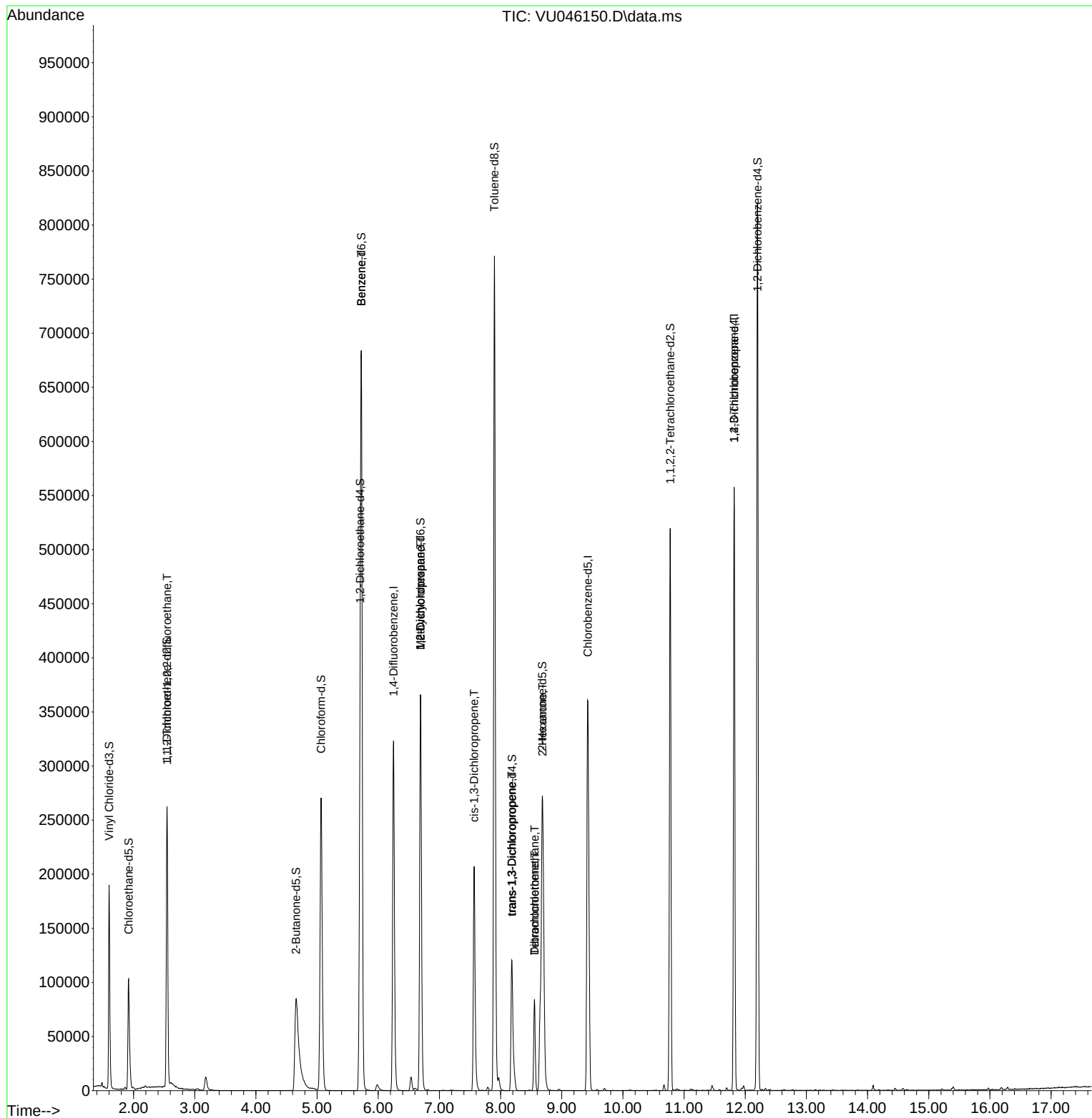
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	302381	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	294627	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	151711	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	161336	64.771	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 129.540%	
7) Chloroethane-d5	1.919	69	107535	56.229	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 112.460%	
11) 1,1-Dichloroethene-d2	2.546	63	159664	35.707	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	= 71.420%	
21) 2-Butanone-d5	4.655	46	259186	130.895	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	= 130.890%#	
24) Chloroform-d	5.067	84	273907	65.849	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 131.700%#	
26) 1,2-Dichloroethane-d4	5.703	65	188805	67.634	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 135.260%#	
32) Benzene-d6	5.722	84	617708	73.149	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 146.300%#	
36) 1,2-Dichloropropane-d6	6.690	67	189239	72.308	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 144.620%#	
41) Toluene-d8	7.899	98	571427	74.320	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 148.640%#	
43) trans-1,3-Dichloroprop...	8.185	79	97980	77.555	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 155.100%#	
47) 2-Hexanone-d5	8.684	63	195016	157.161	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	= 157.160%#	
56) 1,1,2,2-Tetrachloroeth...	10.774	84	271394	68.379	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	= 136.760%#	
66) 1,2-Dichlorobenzene-d4	12.201	152	220836	75.585	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 151.180%#	
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.549	101	1519	0.690	ug/L #	21
33) Benzene	5.722	78	5239	0.588	ug/L	100
35) Methylcyclohexane	6.690	83	46292	12.709	ug/L #	21
37) 1,2-Dichloropropane	6.690	63	20349	8.711	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	5799	1.632	ug/L #	60
44) trans-1,3-Dichloropropene	8.182	75	3865	1.107	ug/L	85
46) Tetrachloroethene	8.555	164	20043	11.610	ug/L	94
48) 2-Hexanone	8.687	43	23662	7.709	ug/L #	64
49) Dibromochloromethane	8.555	129	19199	7.801	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	17628	5.301	ug/L #	65

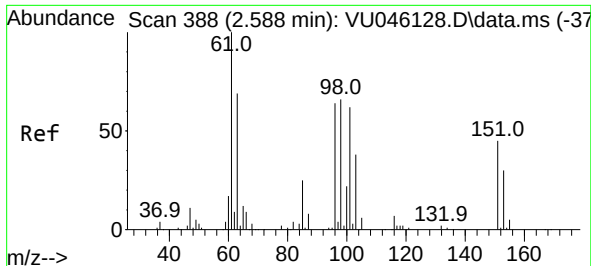
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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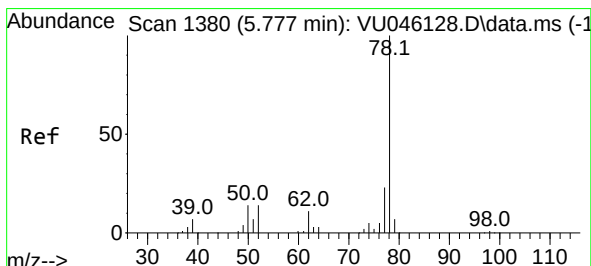
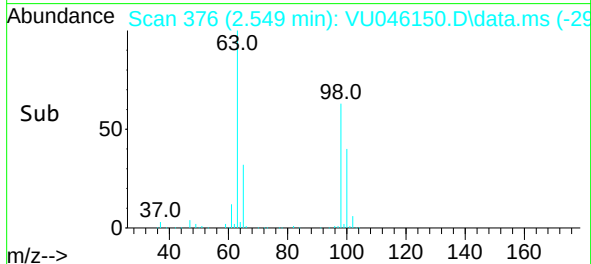
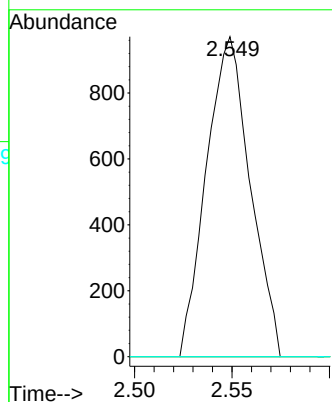
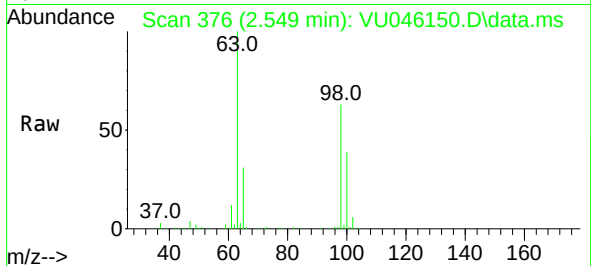




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.690 ug/L
RT: 2.549 min Scan# 31
Delta R.T. -0.039 min
Lab File: VU046150.D
Acq: 07 Dec 2021 19:34

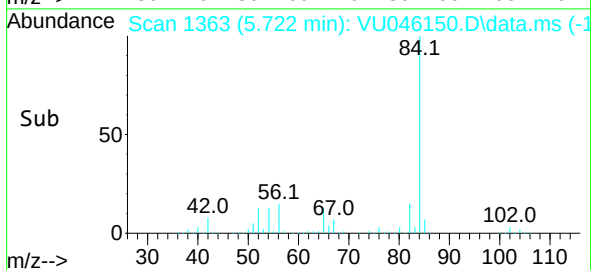
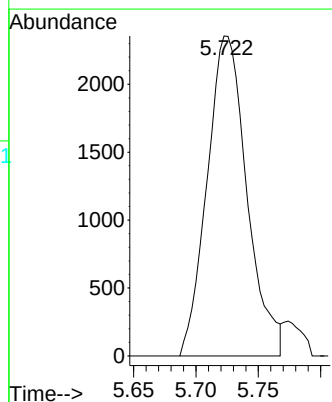
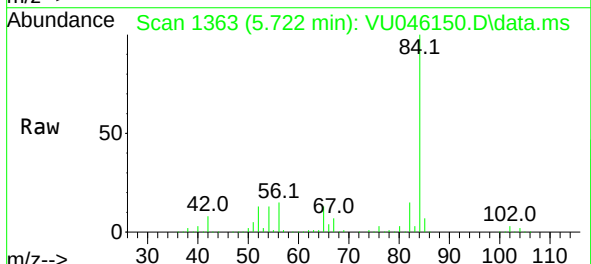
Instrument :
MSVOA_U
ClientSampleId :

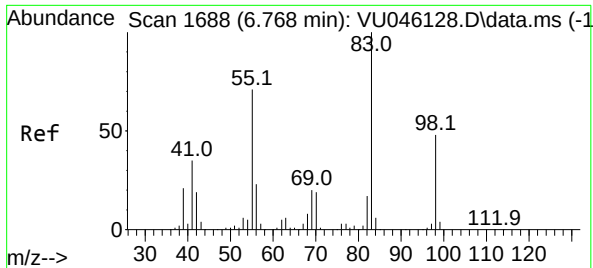
Tgt Ion:101 Resp: 1519
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#33
Benzene
Concen: 0.588 ug/L
RT: 5.722 min Scan# 1363
Delta R.T. -0.058 min
Lab File: VU046150.D
Acq: 07 Dec 2021 19:34

Tgt Ion: 78 Resp: 5239

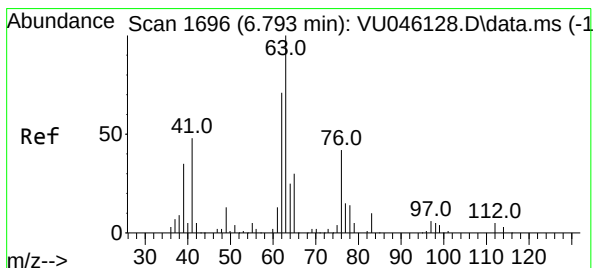
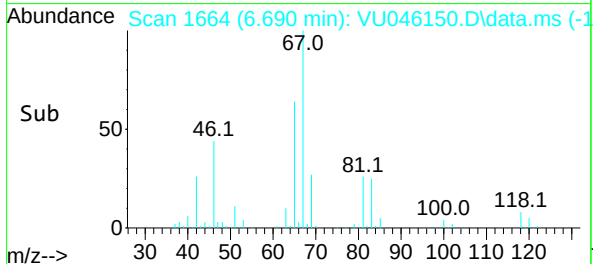
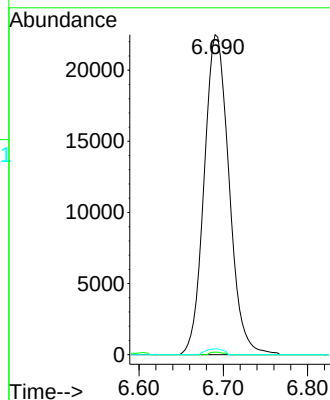
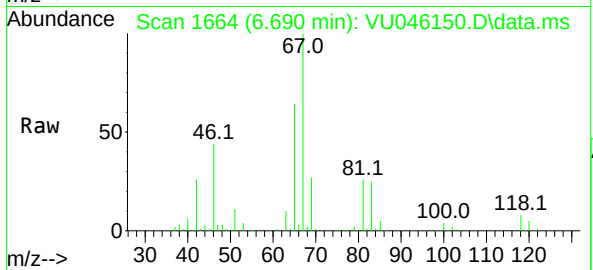




#35
Methylcyclohexane
Concen: 12.709 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046150.D
Acq: 07 Dec 2021 19:34

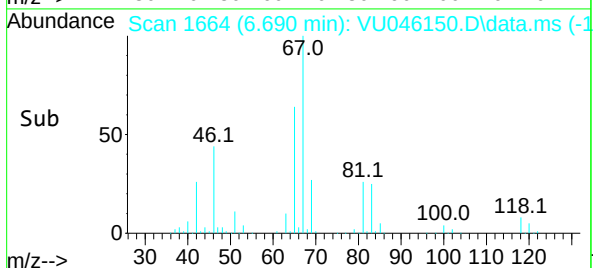
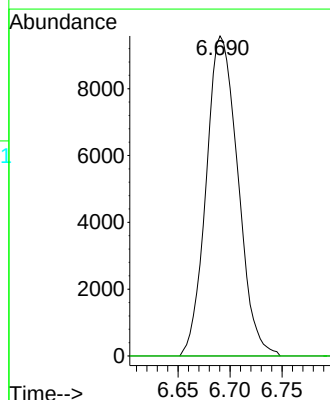
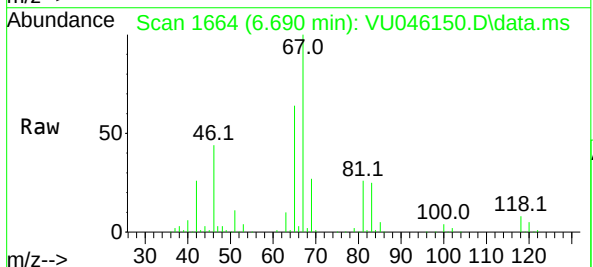
Instrument :
MSVOA_U
ClientSampleId :

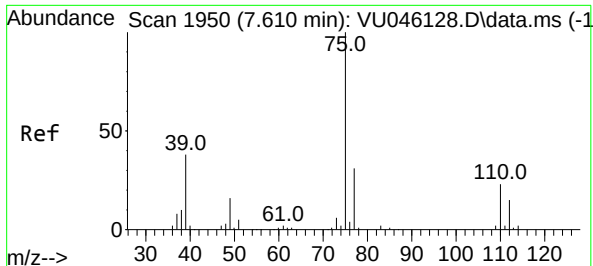
Tgt Ion: 83 Resp: 46292
Ion Ratio Lower Upper
83 100
55 0.4 57.8 86.6#
98 1.3 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 8.711 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046150.D
Acq: 07 Dec 2021 19:34

Tgt Ion: 63 Resp: 20349
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.632 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046150.D

Acq: 07 Dec 2021 19:34

Instrument :

MSVOA_U

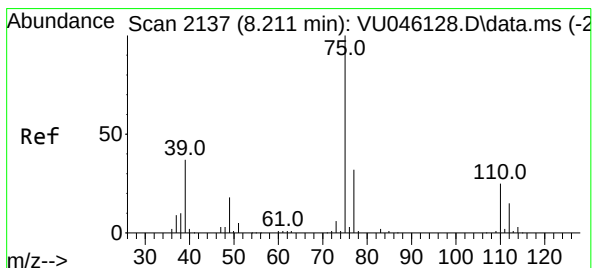
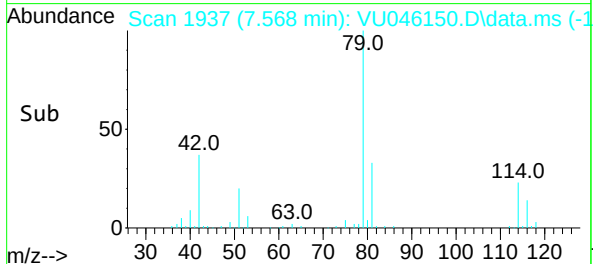
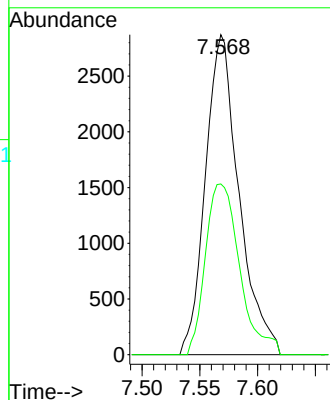
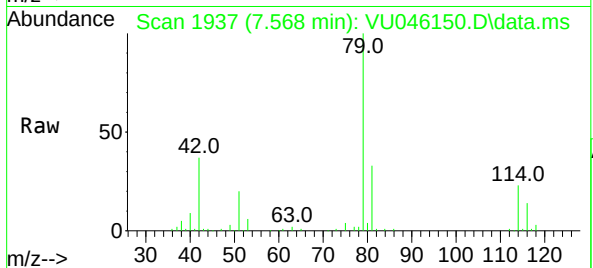
ClientSampleId :

Tgt Ion: 75 Resp: 5799

Ion Ratio Lower Upper

75 100

77 53.4 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 1.107 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046150.D

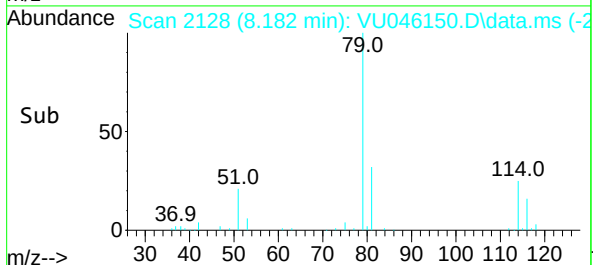
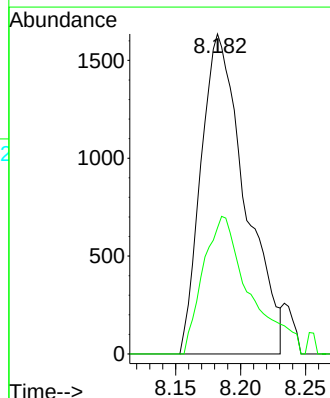
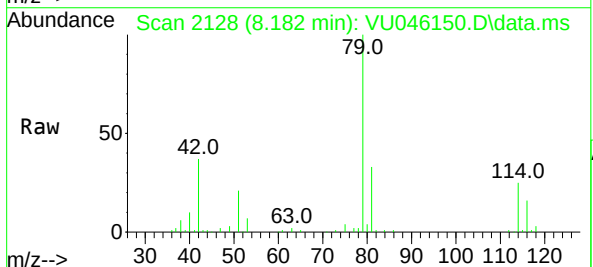
Acq: 07 Dec 2021 19:34

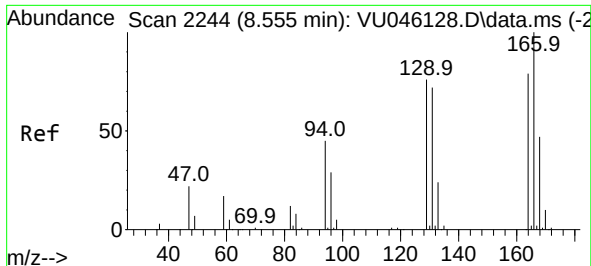
Tgt Ion: 75 Resp: 3865

Ion Ratio Lower Upper

75 100

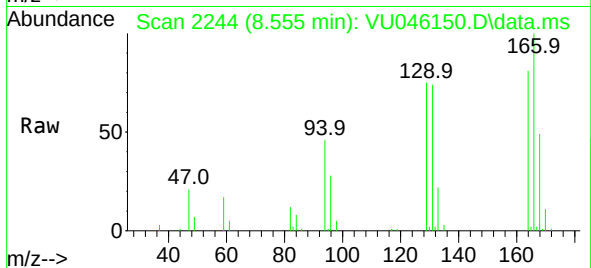
77 39.4 21.7 40.3



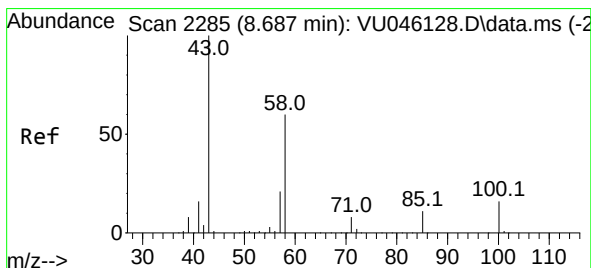
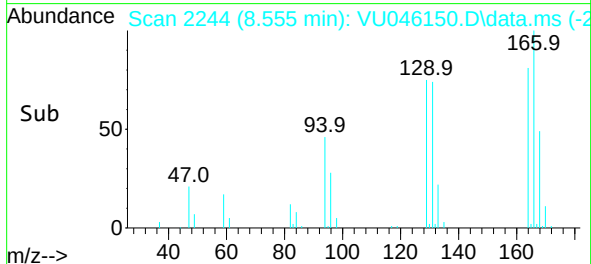
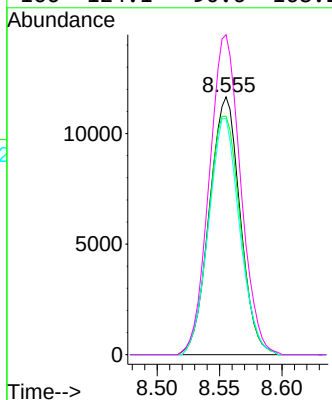


#46
Tetrachloroethene
Concen: 11.610 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046150.D
Acq: 07 Dec 2021 19:34

Instrument :
MSVOA_U
ClientSampleId :

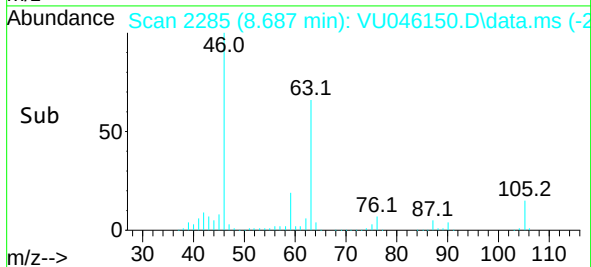
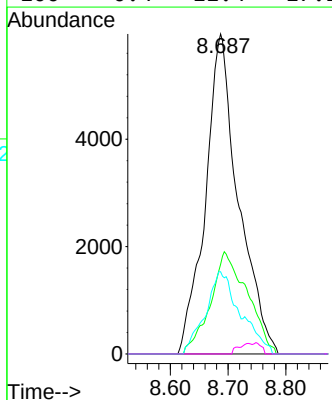
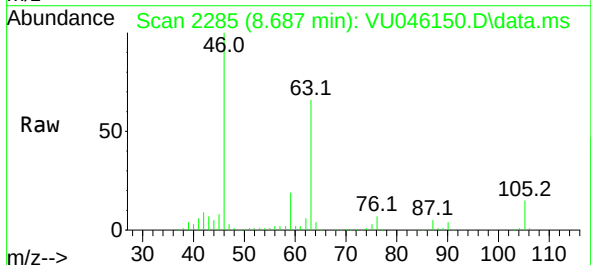


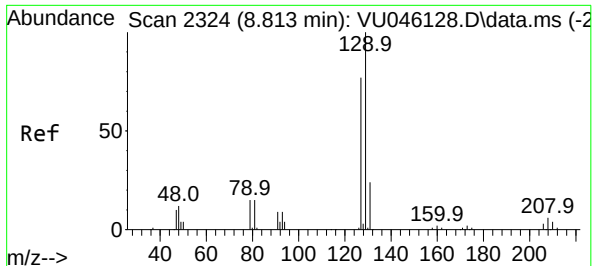
Tgt Ion:164 Resp: 20043
Ion Ratio Lower Upper
164 100
129 92.5 71.1 132.1
131 91.6 67.8 126.0
166 124.1 90.6 168.2



#48
2-Hexanone
Concen: 7.709 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VU046150.D
Acq: 07 Dec 2021 19:34

Tgt Ion: 43 Resp: 23662
Ion Ratio Lower Upper
43 100
58 25.9 47.4 71.2#
57 14.6 16.6 25.0#
100 0.4 11.4 17.2#





#49

Dibromochloromethane

Concen: 7.801 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046150.D

Acq: 07 Dec 2021 19:34

Instrument :

MSVOA_U

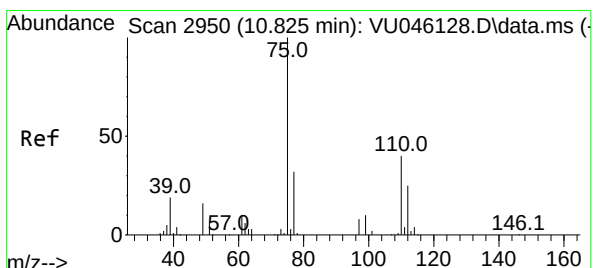
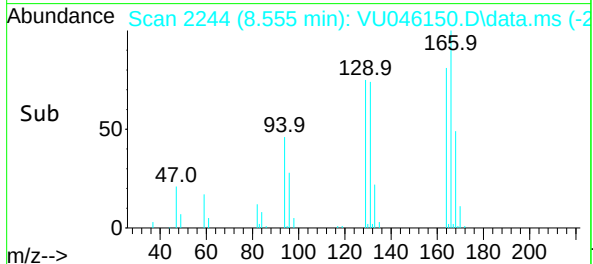
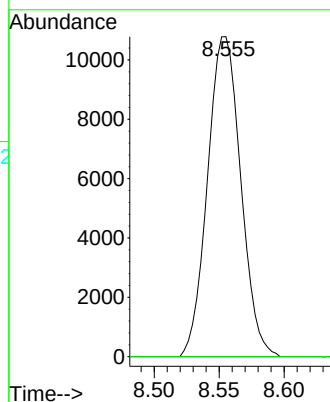
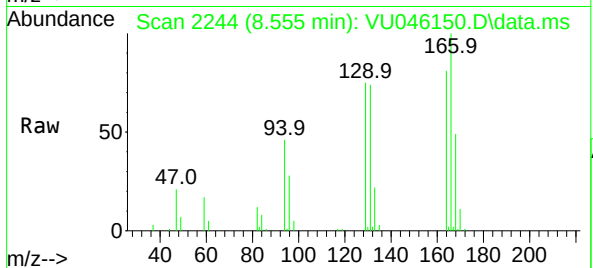
ClientSampleId :

Tgt Ion:129 Resp: 19199

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.301 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.993 min

Lab File: VU046150.D

Acq: 07 Dec 2021 19:34

Tgt Ion: 75 Resp: 17628

Ion Ratio Lower Upper

75 100

77 31.2 26.4 39.6

110 2.2 32.4 48.6#

