

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
 Data File : VU046155.D
 Acq On : 07 Dec 2021 21:26
 Operator : SY/MD
 Sample : M4887-11ME
 Misc : 5.74g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 08 08:11:42 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)

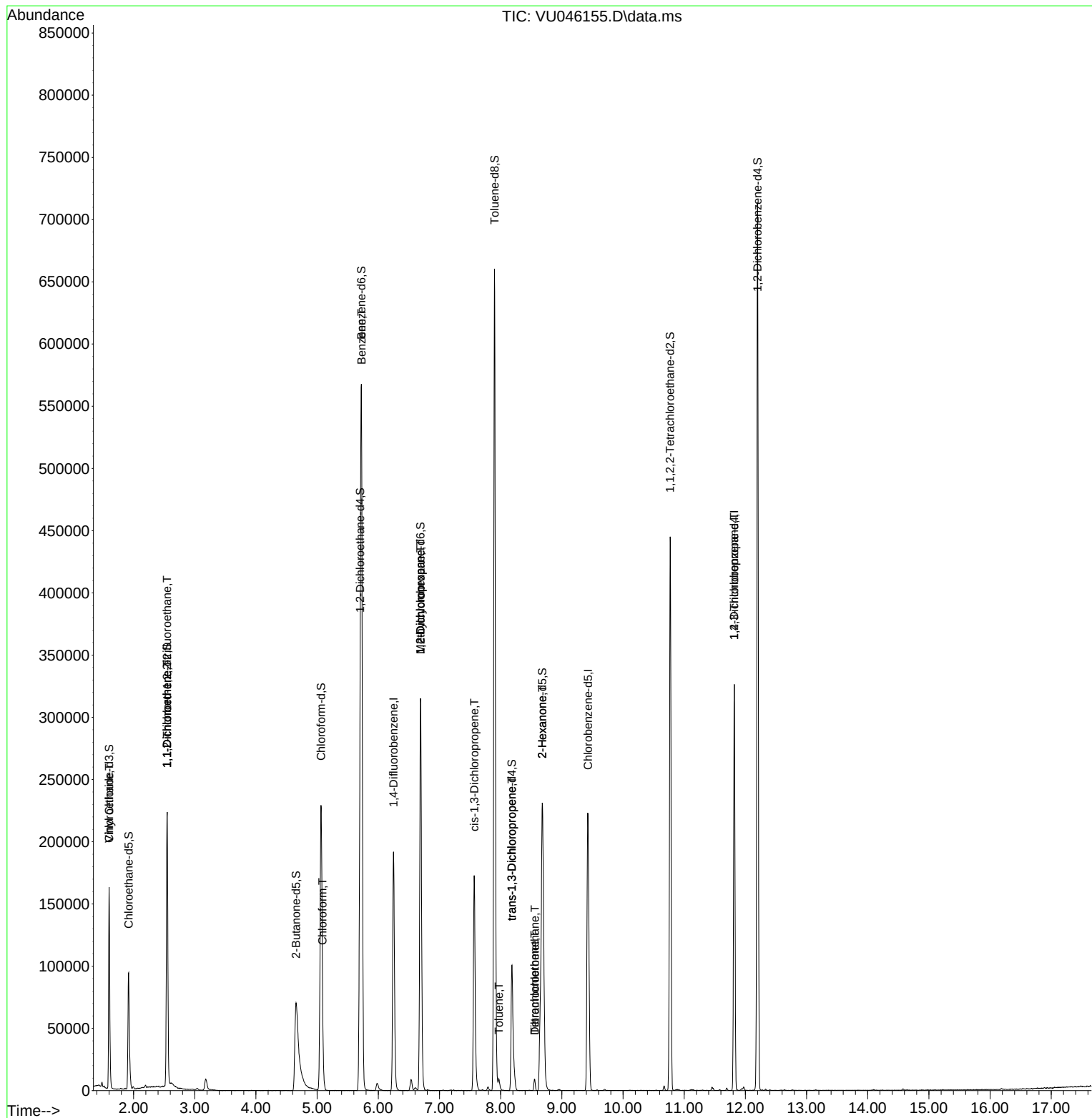
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	177475	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	173887	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	89286	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	131852	90.189	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	= 180.380%#		
7) Chloroethane-d5	1.919	69	89599	79.823	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	= 159.640%#		
11) 1,1-Dichloroethene-d2	2.549	63	132755	50.584	ug/L	-0.03
Spiked Amount	50.000	Range 60 - 125	Recovery	= 101.160%		
21) 2-Butanone-d5	4.655	46	213288	183.524	ug/L	0.01
Spiked Amount	100.000	Range 40 - 130	Recovery	= 183.520%#		
24) Chloroform-d	5.063	84	227570	93.214	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 186.420%#		
26) 1,2-Dichloroethane-d4	5.703	65	157539	96.152	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 192.300%#		
32) Benzene-d6	5.723	84	519517	104.239	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 208.480%#		
36) 1,2-Dichloropropane-d6	6.690	67	160172	103.698	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	= 207.400%#		
41) Toluene-d8	7.899	98	482754	106.384	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 212.760%#		
43) trans-1,3-Dichloroprop...	8.182	79	81995	109.968	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 219.940%#		
47) 2-Hexanone-d5	8.681	63	162151	221.411	ug/L	0.05
Spiked Amount	100.000	Range 45 - 130	Recovery	= 221.410%#		
56) 1,1,2,2-Tetrachloroeth...	10.771	84	229420	97.940	ug/L	0.01
Spiked Amount	50.000	Range 65 - 120	Recovery	= 195.880%#		
66) 1,2-Dichlorobenzene-d4	12.198	152	191662	111.465	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 222.920%#		
Target Compounds						
					Qvalue	
8) Chloroethane	1.601	64	1625	1.612	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.549	101	1306	1.011	ug/L #	21
12) 1,1-Dichloroethene	2.549	96	1092	0.890	ug/L #	1
25) Chloroform	5.089	83	14212	5.417	ug/L	92
33) Benzene	5.726	78	3881	0.737	ug/L	100
35) Methylcyclohexane	6.690	83	38281	17.807	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	17125	12.422	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	4680	2.231	ug/L #	63
42) Toluene	7.970	91	7314	1.295	ug/L	100
44) trans-1,3-Dichloropropene	8.182	75	2952	1.433	ug/L	85
46) Tetrachloroethene	8.555	164	2250	2.208	ug/L	89
48) 2-Hexanone	8.681	43	19384	10.700	ug/L #	48
49) Dibromochloromethane	8.559	129	2049	1.411	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	10253	5.239	ug/L #	66

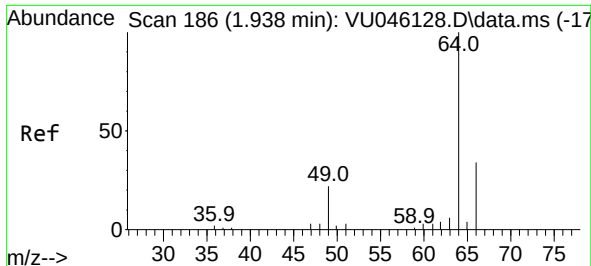
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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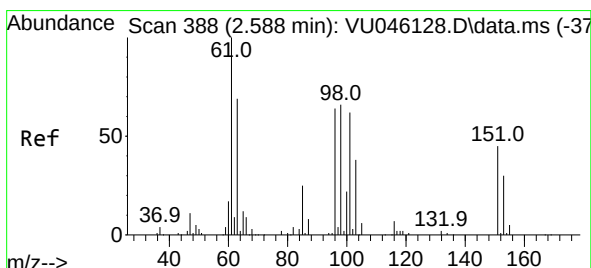
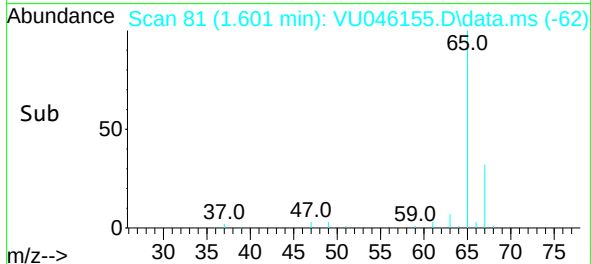
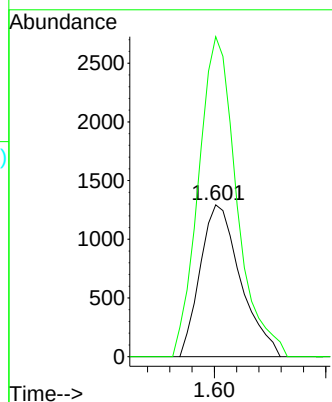
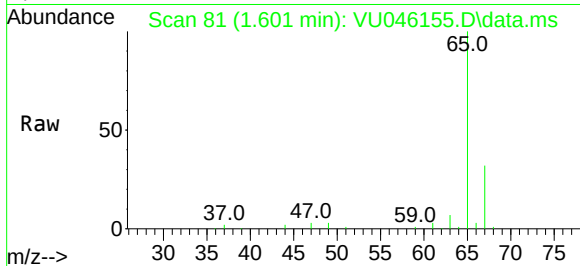




#8
Chloroethane
Concen: 1.612 ug/L
RT: 1.601 min Scan# 81
Delta R.T. -0.338 min
Lab File: VU046155.D
Acq: 07 Dec 2021 21:26

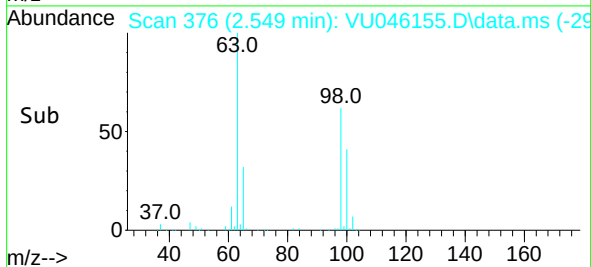
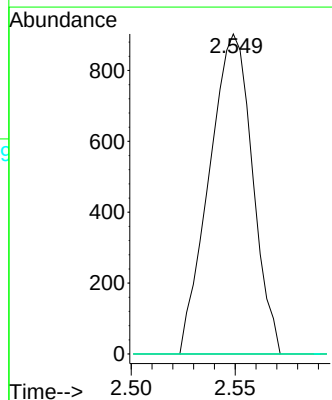
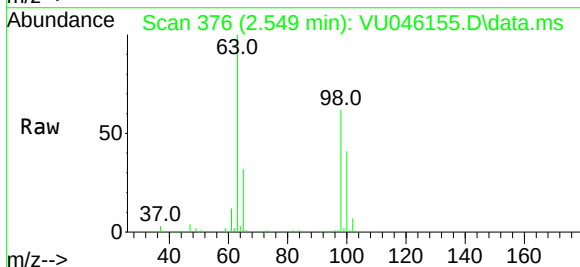
Instrument :
MSVOA_U
ClientSampleId :

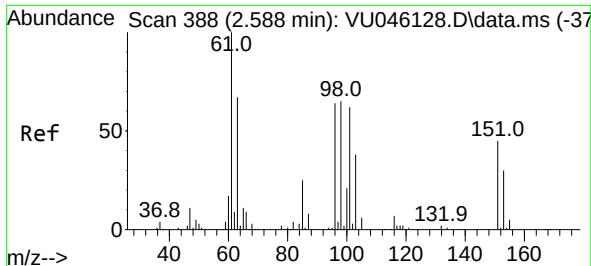
Tgt Ion: 64 Resp: 1625
Ion Ratio Lower Upper
64 100
66 210.8 22.5 41.9#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.011 ug/L
RT: 2.549 min Scan# 376
Delta R.T. -0.039 min
Lab File: VU046155.D
Acq: 07 Dec 2021 21:26

Tgt Ion:101 Resp: 1306
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: 0.890 ug/L

RT: 2.549 min Scan# 31

Delta R.T. -0.035 min

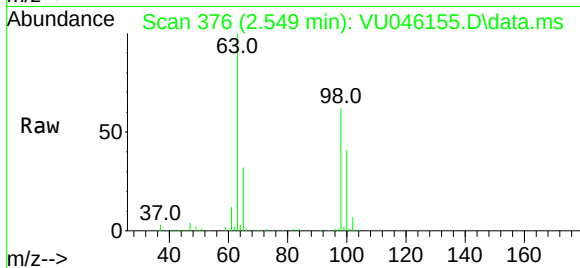
Lab File: VU046155.D

Acq: 07 Dec 2021 21:26

Instrument :

MSVOA_U

ClientSampleId :



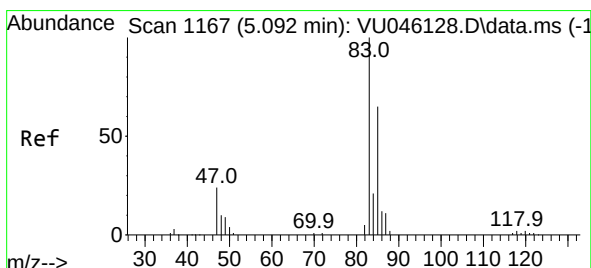
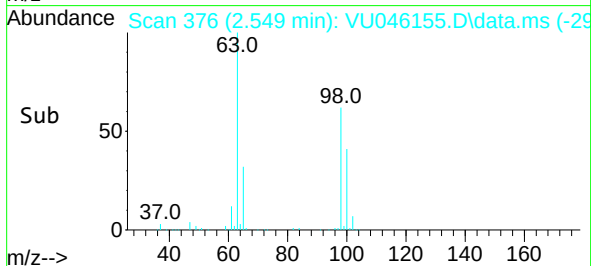
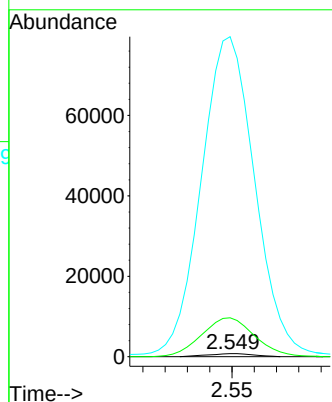
Tgt Ion: 96 Resp: 1092

Ion Ratio Lower Upper

96 100

61 1249.9 118.6 220.2#

63 10271.0 93.0 172.8#



#25

Chloroform

Concen: 5.417 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU046155.D

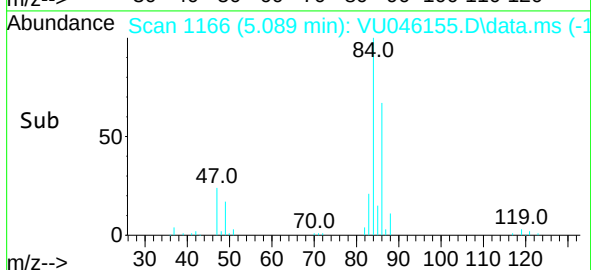
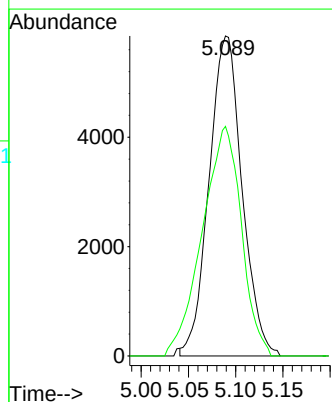
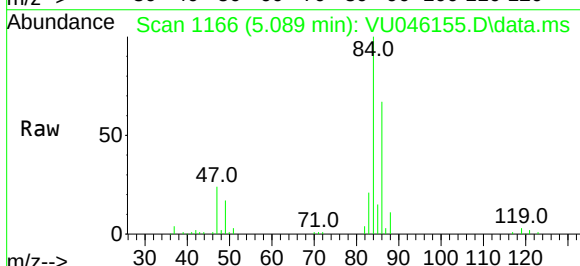
Acq: 07 Dec 2021 21:26

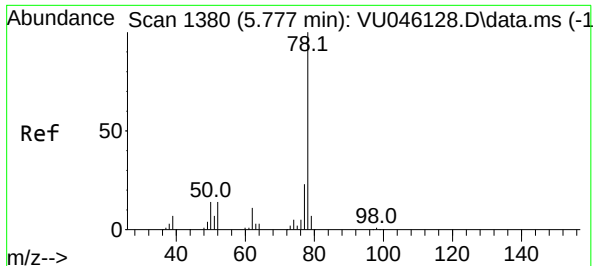
Tgt Ion: 83 Resp: 14212

Ion Ratio Lower Upper

83 100

85 71.7 45.8 85.2

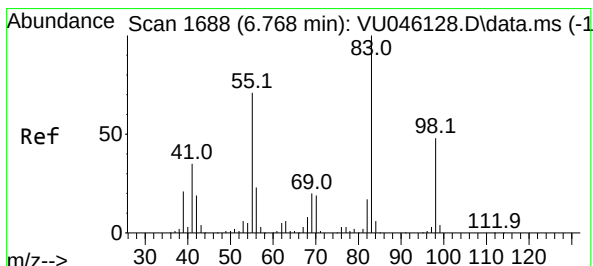
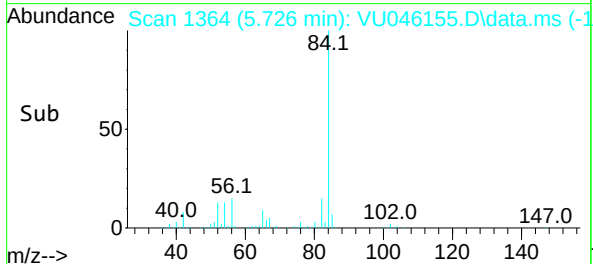
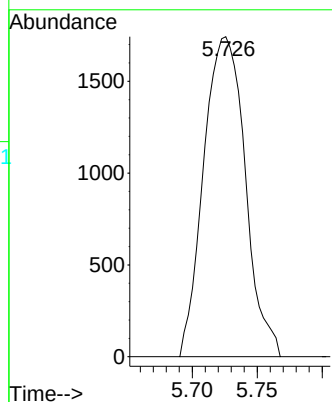
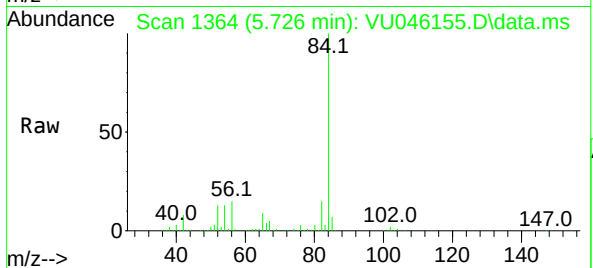




#33
Benzene
Concen: 0.737 ug/L
RT: 5.726 min Scan# 11
Delta R.T. -0.055 min
Lab File: VU046155.D
Acq: 07 Dec 2021 21:26

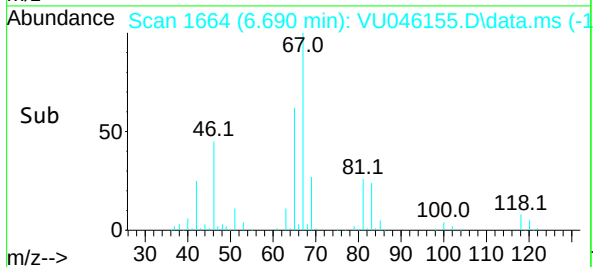
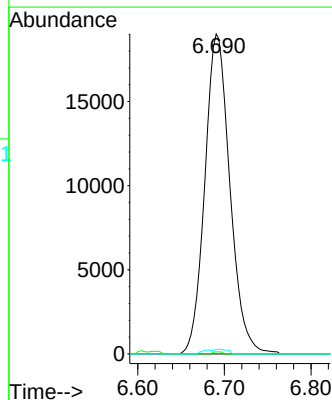
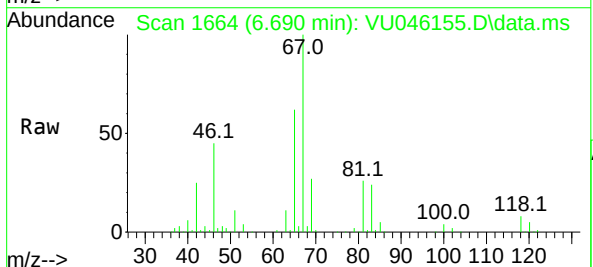
Instrument :
MSVOA_U
ClientSampleId :

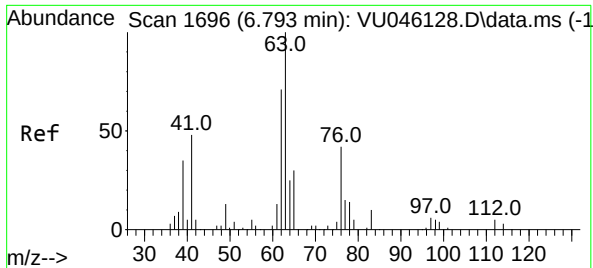
Tgt Ion: 78 Resp: 3881



#35
Methylcyclohexane
Concen: 17.807 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046155.D
Acq: 07 Dec 2021 21:26

Tgt Ion: 83 Resp: 38281
Ion Ratio Lower Upper
83 100
55 0.2 57.8 86.6#
98 0.3 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 12.422 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046155.D

Acq: 07 Dec 2021 21:26

Instrument :

MSVOA_U

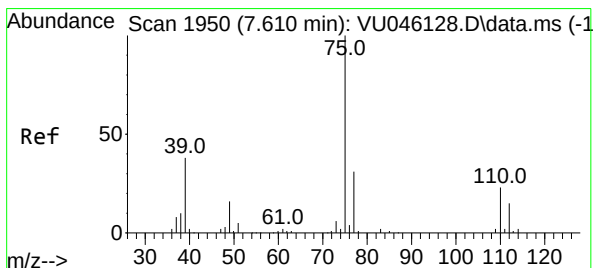
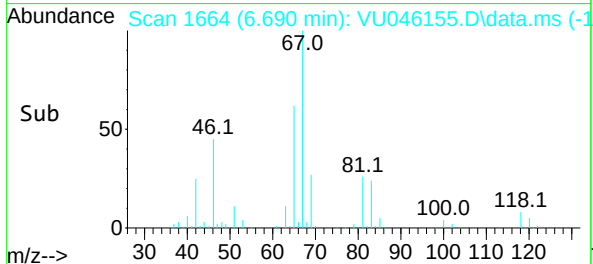
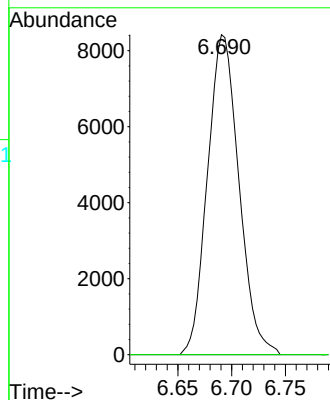
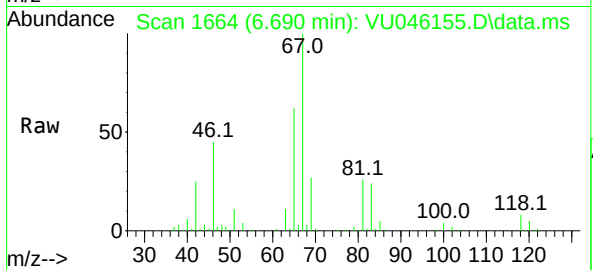
ClientSampleId :

Tgt Ion: 63 Resp: 17125

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 2.231 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046155.D

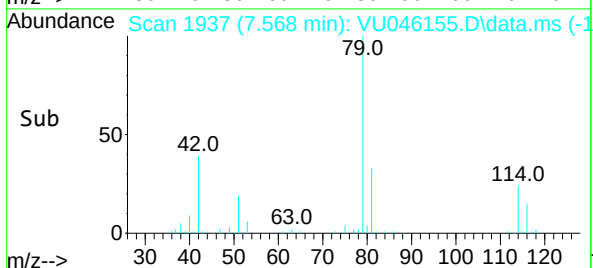
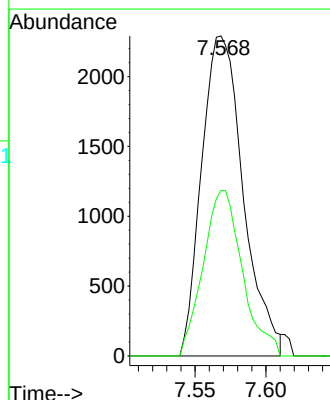
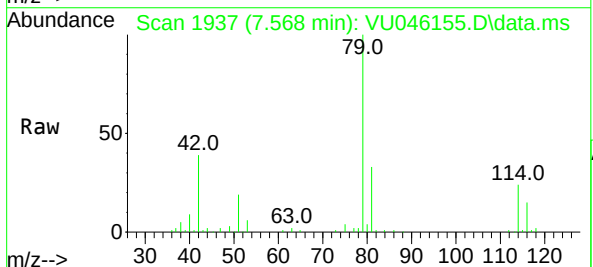
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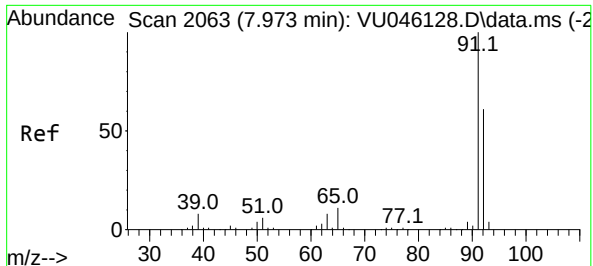
Tgt Ion: 75 Resp: 4680

Ion Ratio Lower Upper

75 100

77 51.7 21.8 40.6#





#42

Toluene

Concen: 1.295 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046155.D

Acq: 07 Dec 2021 21:26

Instrument :

MSVOA_U

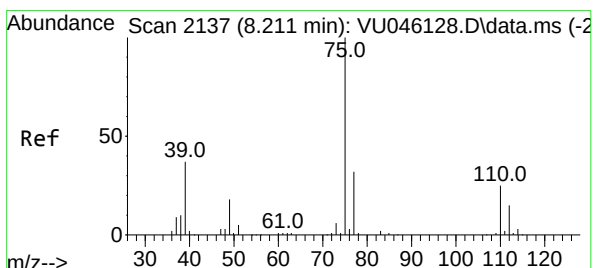
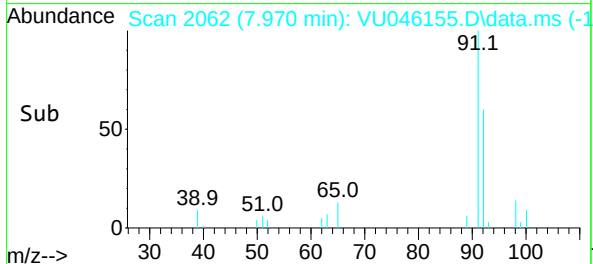
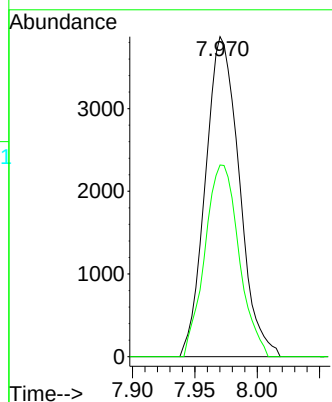
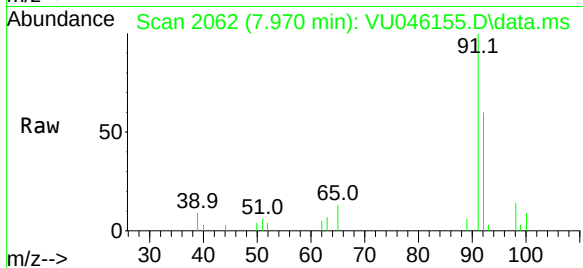
ClientSampleId :

Tgt Ion: 91 Resp: 7314

Ion Ratio Lower Upper

91 100

92 59.9 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 1.433 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046155.D

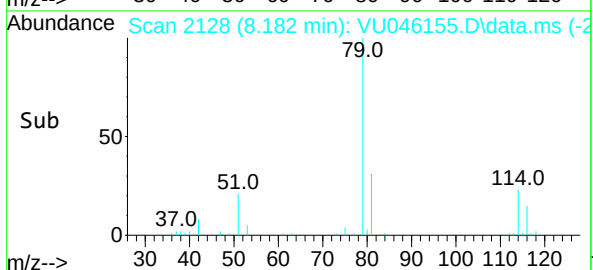
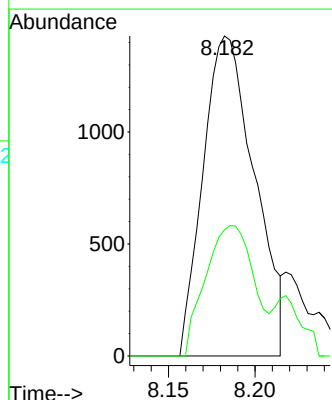
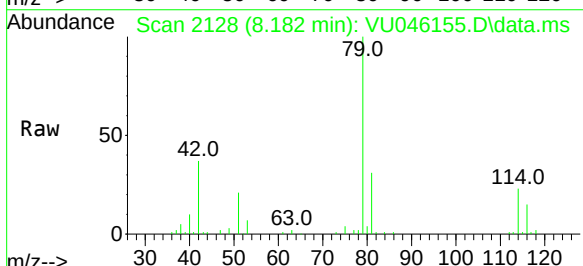
Acq: 07 Dec 2021 21:26

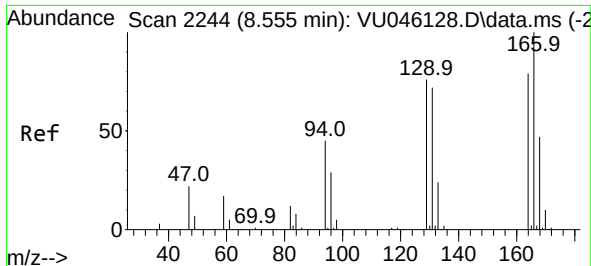
Tgt Ion: 75 Resp: 2952

Ion Ratio Lower Upper

75 100

77 39.5 21.7 40.3





#46

Tetrachloroethene

Concen: 2.208 ug/L

RT: 8.555 min Scan# 21

Delta R.T. 0.000 min

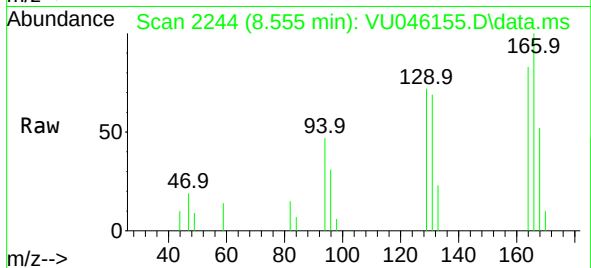
Lab File: VU046155.D

Acq: 07 Dec 2021 21:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 2250

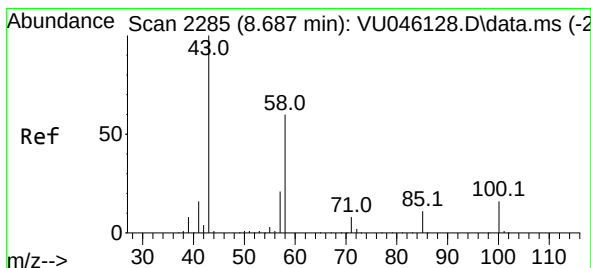
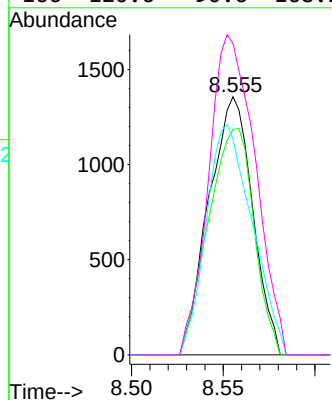
Ion Ratio Lower Upper

164 100

129 87.3 71.1 132.1

131 83.4 67.8 126.0

166 120.6 90.6 168.2



#48

2-Hexanone

Concen: 10.700 ug/L

RT: 8.681 min Scan# 2283

Delta R.T. -0.006 min

Lab File: VU046155.D

Acq: 07 Dec 2021 21:26

Tgt Ion: 43 Resp: 19384

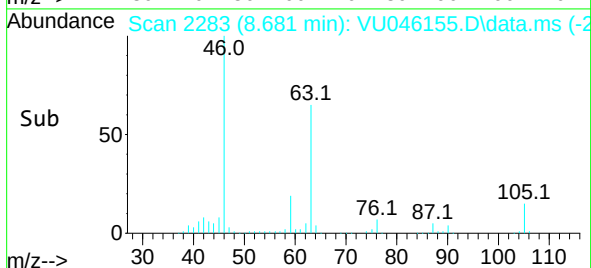
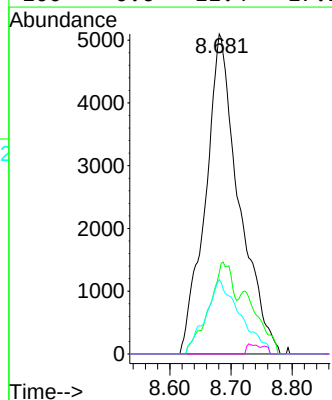
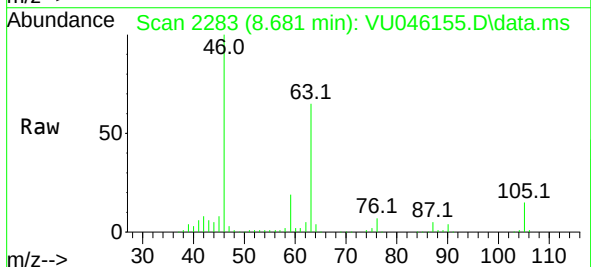
Ion Ratio Lower Upper

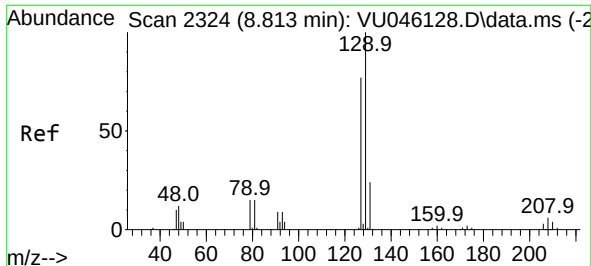
43 100

58 7.6 47.4 71.2#

57 13.9 16.6 25.0#

100 0.6 11.4 17.2#





#49

Dibromochloromethane

Concen: 1.411 ug/L

RT: 8.559 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU046155.D

Acq: 07 Dec 2021 21:26

Instrument :

MSVOA_U

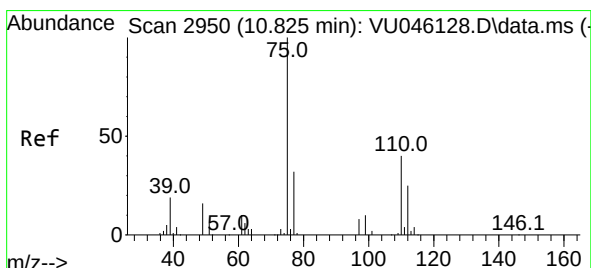
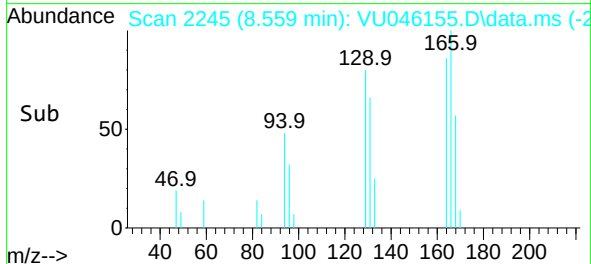
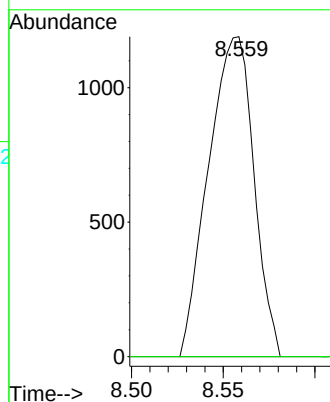
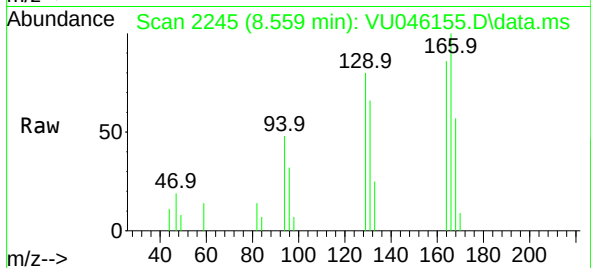
ClientSampleId :

Tgt Ion:129 Resp: 2049

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.239 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.994 min

Lab File: VU046155.D

Acq: 07 Dec 2021 21:26

Tgt Ion: 75 Resp: 10253

Ion Ratio Lower Upper

75 100

77 32.7 26.4 39.6

110 2.4 32.4 48.6#

