

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
 Data File : VU046149.D
 Acq On : 07 Dec 2021 19:11
 Operator : SY/MD
 Sample : M4887-03ME
 Misc : 5.34g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 08 04:54:40 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)

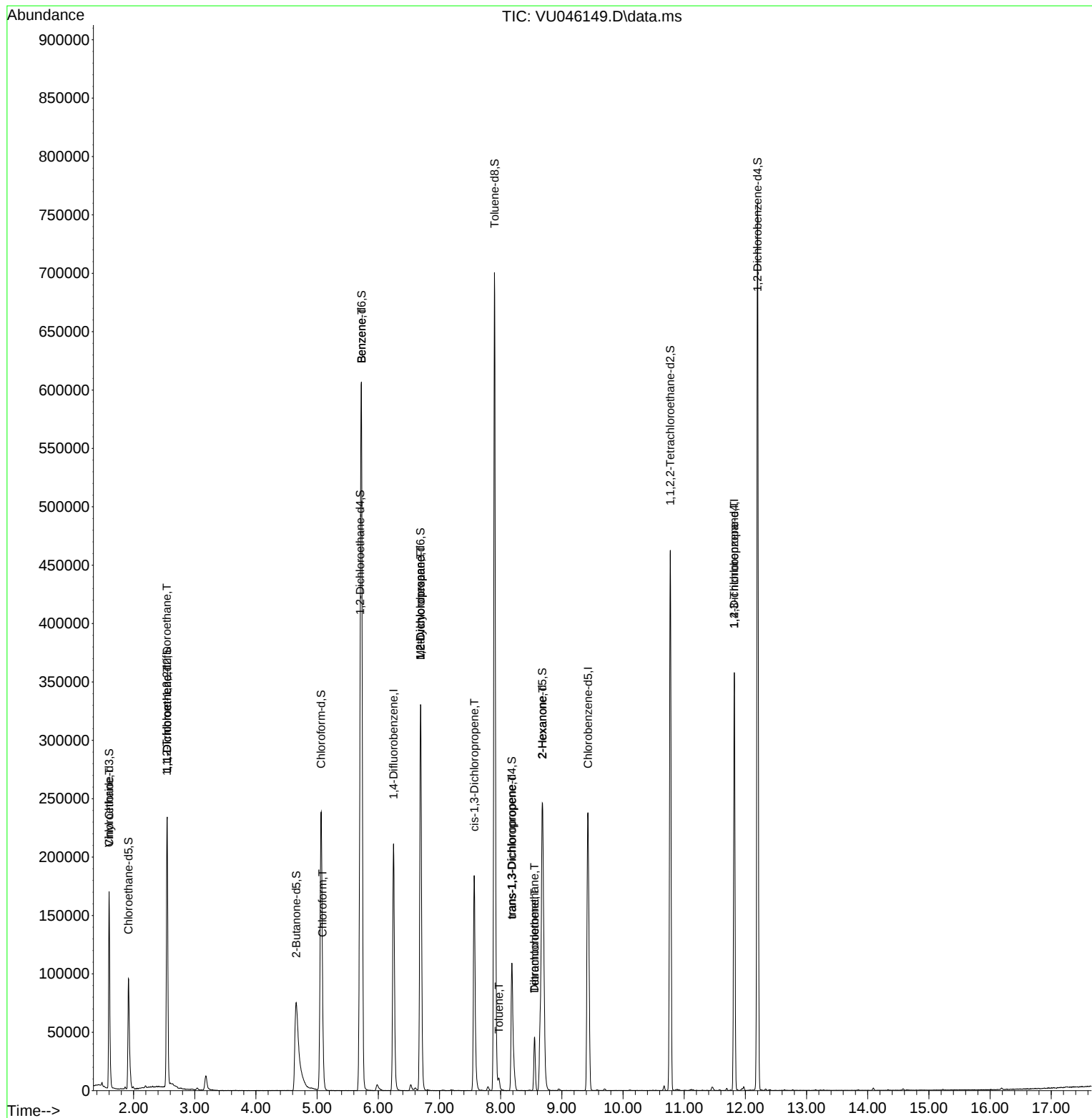
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	194243	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	188952	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	97041	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	142090	88.802	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	= 177.600%#		
7) Chloroethane-d5	1.916	69	96939	78.907	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	= 157.820%#		
11) 1,1-Dichloroethene-d2	2.549	63	137100	47.730	ug/L	-0.03
Spiked Amount	50.000	Range 60 - 125	Recovery	= 95.460%		
21) 2-Butanone-d5	4.658	46	230963	181.577	ug/L	0.02
Spiked Amount	100.000	Range 40 - 130	Recovery	= 181.580%#		
24) Chloroform-d	5.063	84	237536	88.897	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 177.800%#		
26) 1,2-Dichloroethane-d4	5.703	65	168147	93.767	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 187.540%#		
32) Benzene-d6	5.726	84	553651	102.231	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 204.460%#		
36) 1,2-Dichloropropane-d6	6.690	67	171215	102.010	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	= 204.020%#		
41) Toluene-d8	7.899	98	515303	104.503	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 209.000%#		
43) trans-1,3-Dichloroprop...	8.182	79	87734	108.283	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 216.560%#		
47) 2-Hexanone-d5	8.681	63	173292	217.758	ug/L	0.04
Spiked Amount	100.000	Range 45 - 130	Recovery	= 217.760%#		
56) 1,1,2,2-Tetrachloroeth...	10.774	84	245248	96.350	ug/L	0.02
Spiked Amount	50.000	Range 65 - 120	Recovery	= 192.700%#		
66) 1,2-Dichlorobenzene-d4	12.198	152	199593	106.801	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 213.600%#		
Target Compounds						
					Qvalue	
8) Chloroethane	1.601	64	1823	1.652	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	1326	0.938	ug/L #	21
12) 1,1-Dichloroethene	2.549	96	1078	0.803	ug/L #	1
25) Chloroform	5.089	83	22990	8.007	ug/L	97
33) Benzene	5.726	78	4266	0.746	ug/L	100
35) Methylcyclohexane	6.690	83	41270	17.667	ug/L #	21
37) 1,2-Dichloropropane	6.690	63	18339	12.242	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	5395	2.367	ug/L #	82
42) Toluene	7.973	91	8155	1.329	ug/L	98
44) trans-1,3-Dichloropropene	8.185	75	3810	1.702	ug/L	90
46) Tetrachloroethene	8.555	164	10784	9.740	ug/L	97
48) 2-Hexanone	8.684	43	22254	11.305	ug/L #	56
49) Dibromochloromethane	8.552	129	10574	6.700	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	10828	5.090	ug/L #	65

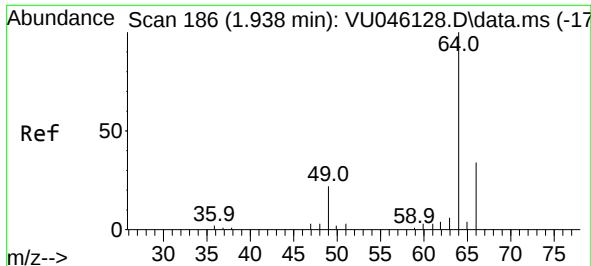
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.652 ug/L

RT: 1.601 min Scan# 81

Delta R.T. -0.338 min

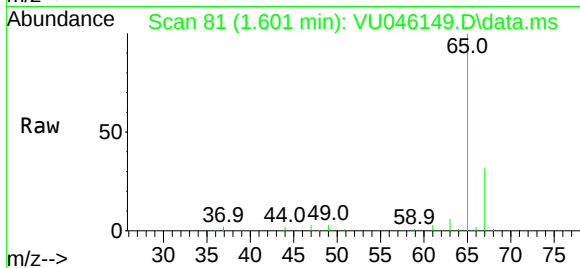
Lab File: VU046149.D

Acq: 07 Dec 2021 19:11

Instrument :

MSVOA_U

ClientSampleId :

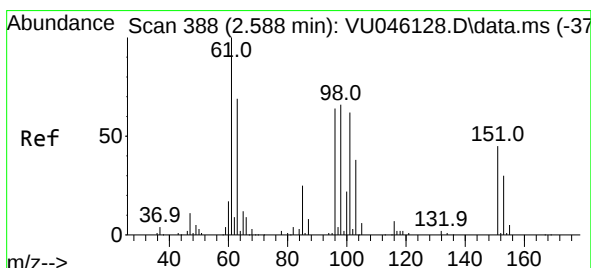
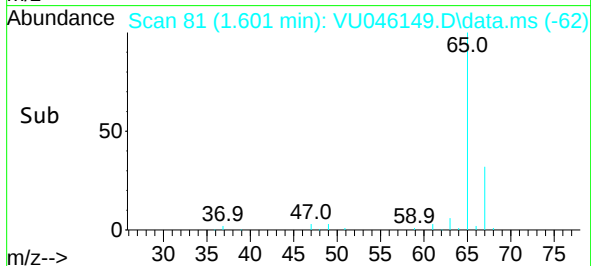
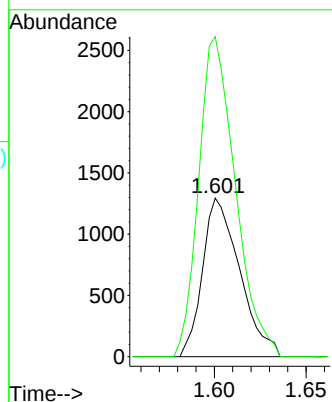


Tgt Ion: 64 Resp: 1823

Ion Ratio Lower Upper

64 100

66 201.9 22.5 41.9#



#10

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

Concen: 0.938 ug/L

RT: 2.546 min Scan# 375

Delta R.T. -0.042 min

Lab File: VU046149.D

Acq: 07 Dec 2021 19:11

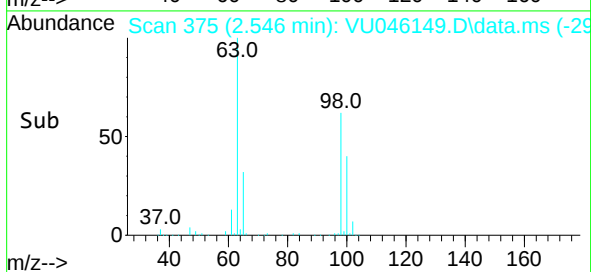
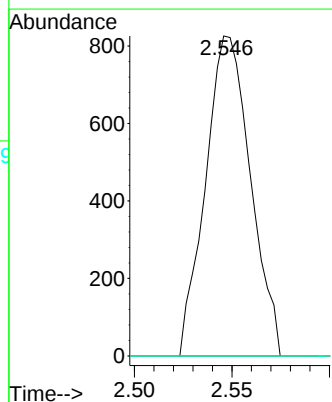
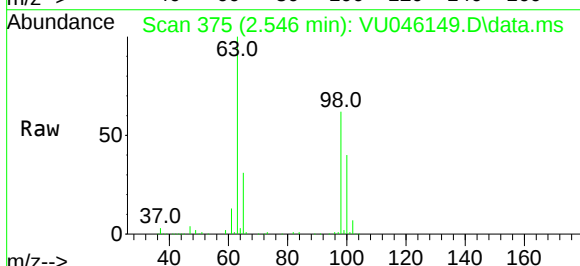
Tgt Ion: 101 Resp: 1326

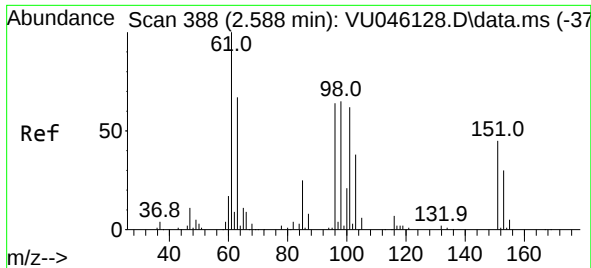
Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

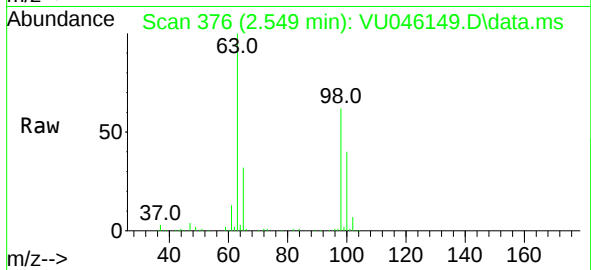
151 0.0 56.7 85.1#



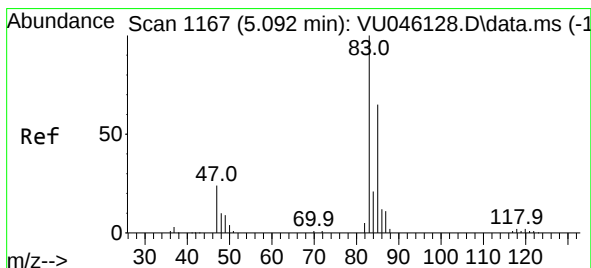
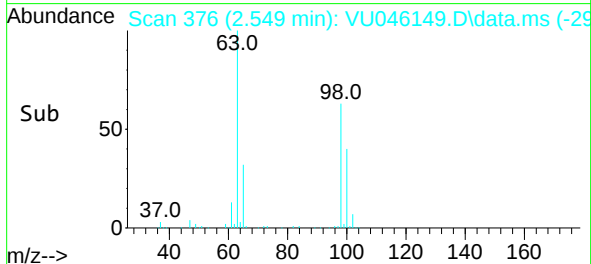
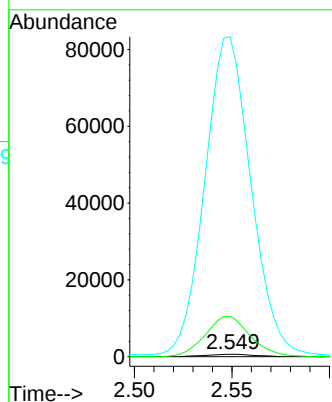


#12
1,1-Dichloroethene
Concen: 0.803 ug/L
RT: 2.549 min Scan# 31
Delta R.T. -0.035 min
Lab File: VU046149.D
Acq: 07 Dec 2021 19:11

Instrument :
MSVOA_U
ClientSampleId :

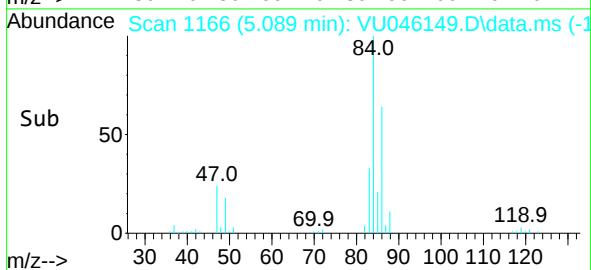
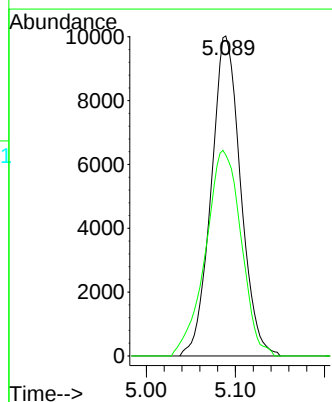
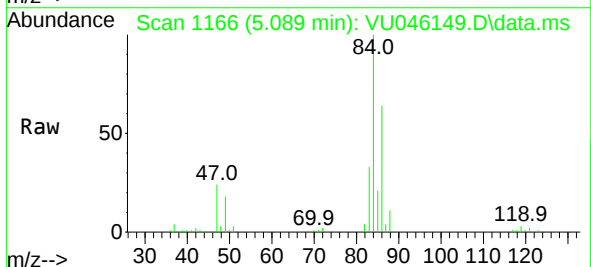


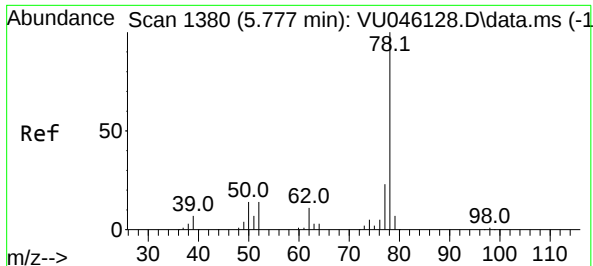
Tgt Ion: 96 Resp: 1078
Ion Ratio Lower Upper
96 100
61 1654.3 118.6 220.2#
63 13142.0 93.0 172.8#



#25
Chloroform
Concen: 8.007 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU046149.D
Acq: 07 Dec 2021 19:11

Tgt Ion: 83 Resp: 22990
Ion Ratio Lower Upper
83 100
85 62.8 45.8 85.2

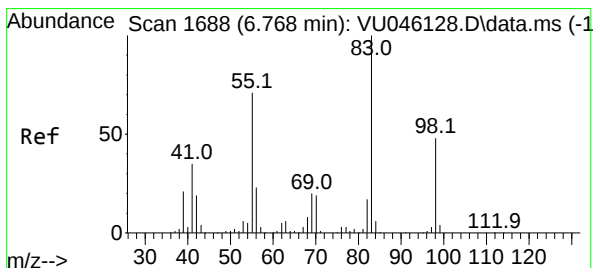
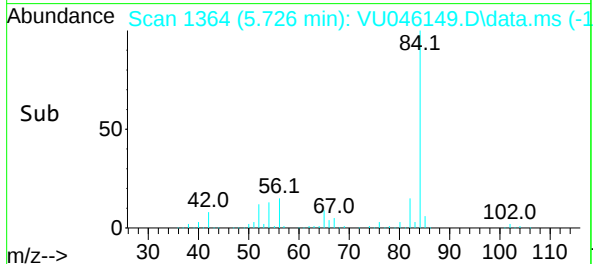
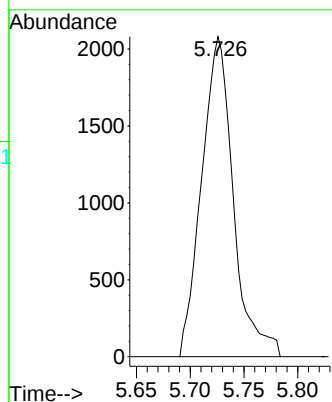
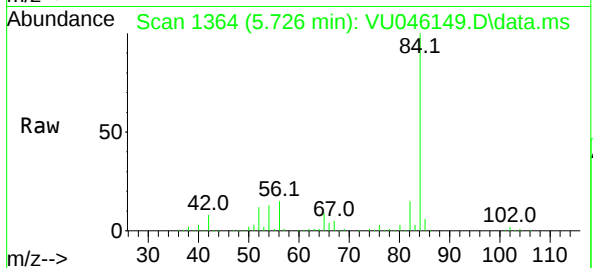




#33
Benzene
Concen: 0.746 ug/L
RT: 5.726 min Scan# 11
Delta R.T. -0.055 min
Lab File: VU046149.D
Acq: 07 Dec 2021 19:11

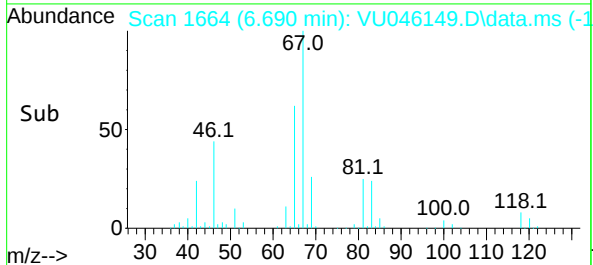
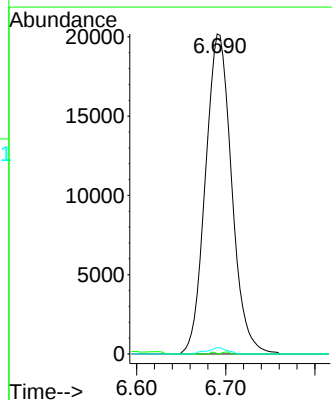
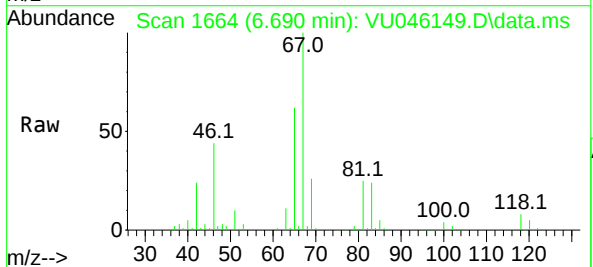
Instrument :
MSVOA_U
ClientSampleId :

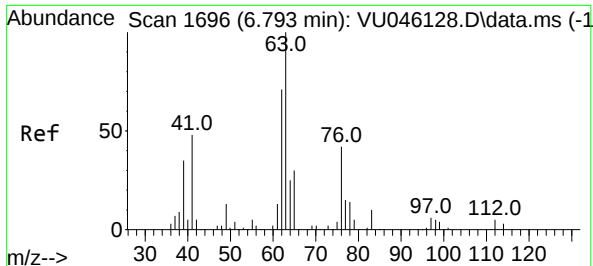
Tgt Ion: 78 Resp: 4266



#35
Methylcyclohexane
Concen: 17.667 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046149.D
Acq: 07 Dec 2021 19:11

Tgt Ion: 83 Resp: 41270
Ion Ratio Lower Upper
83 100
55 0.1 57.8 86.6#
98 1.5 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 12.242 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046149.D

Acq: 07 Dec 2021 19:11

Instrument :

MSVOA_U

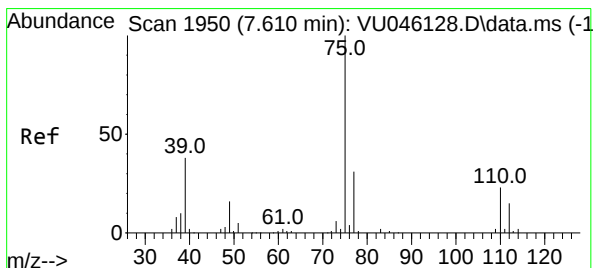
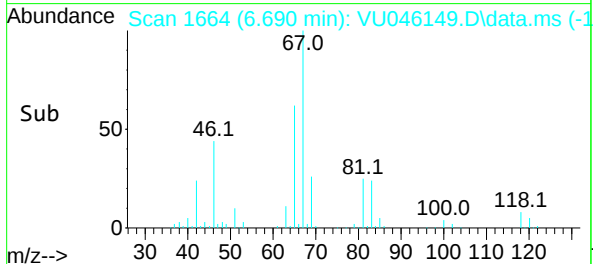
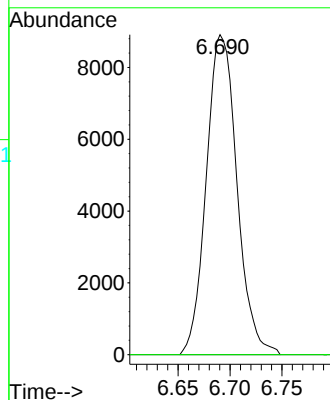
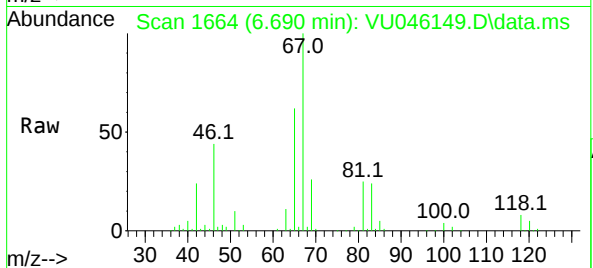
ClientSampleId :

Tgt Ion: 63 Resp: 18339

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 2.367 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046149.D

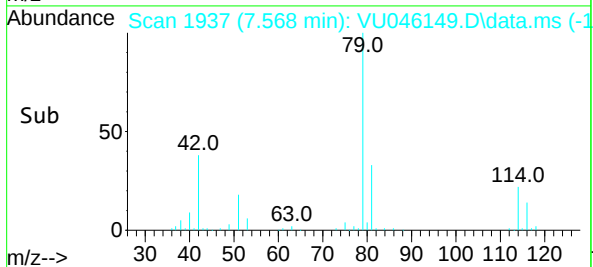
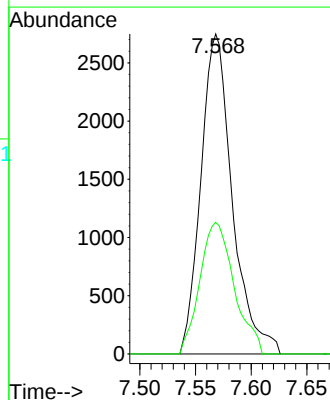
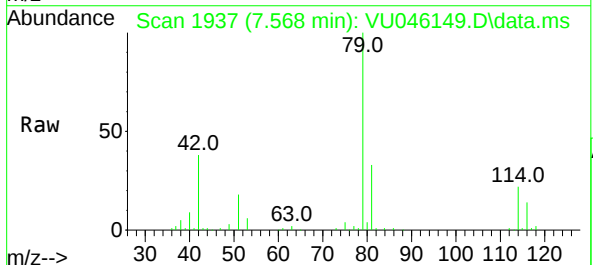
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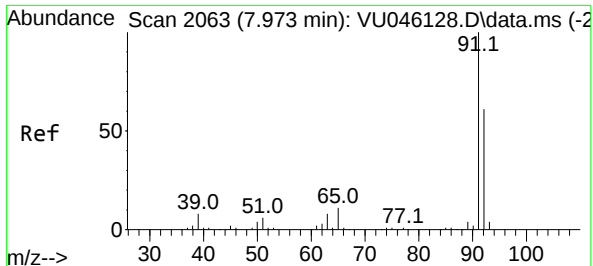
Tgt Ion: 75 Resp: 5395

Ion Ratio Lower Upper

75 100

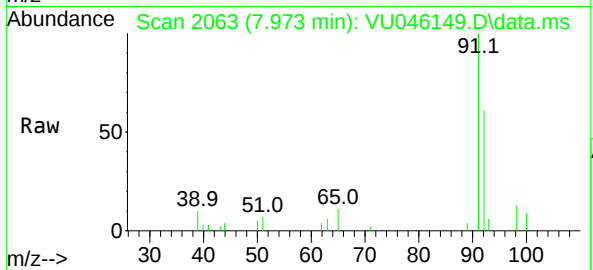
77 41.2 21.8 40.6#



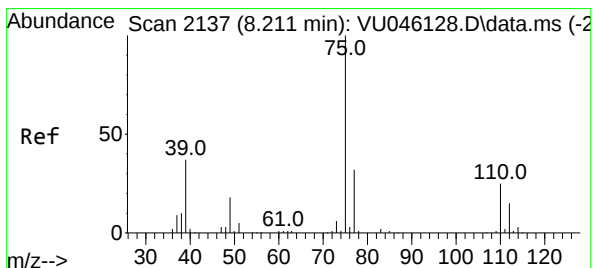
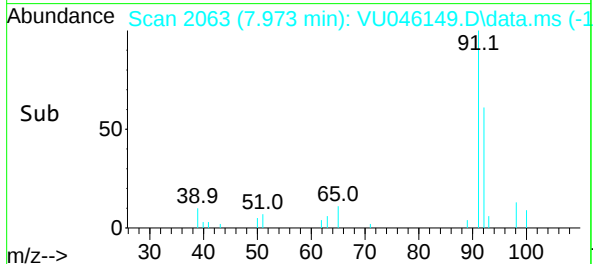
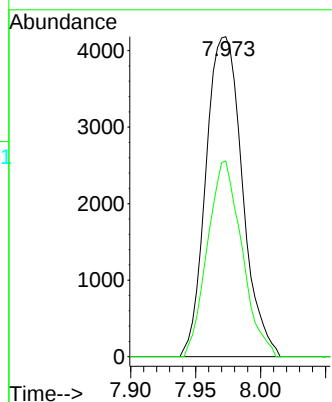


#42
Toluene
Concen: 1.329 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046149.D
Acq: 07 Dec 2021 19:11

Instrument :
MSVOA_U
ClientSampleId :

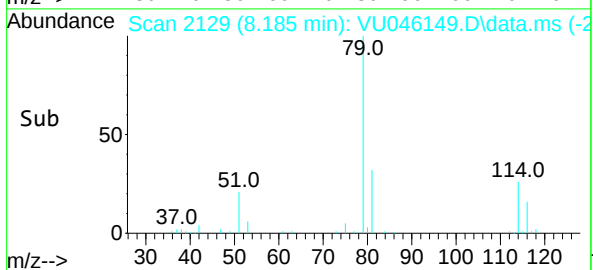
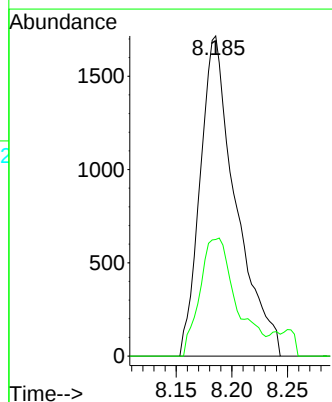
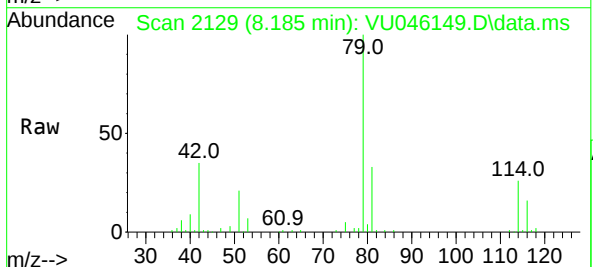


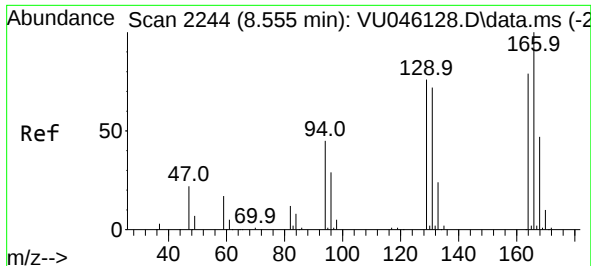
Tgt Ion: 91 Resp: 8155
Ion Ratio Lower Upper
91 100
92 61.2 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 1.702 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU046149.D
Acq: 07 Dec 2021 19:11

Tgt Ion: 75 Resp: 3810
Ion Ratio Lower Upper
75 100
77 36.4 21.7 40.3





#46

Tetrachloroethene

Concen: 9.740 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.000 min

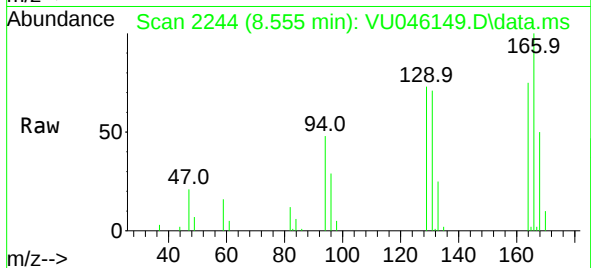
Lab File: VU046149.D

Acq: 07 Dec 2021 19:11

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 10784

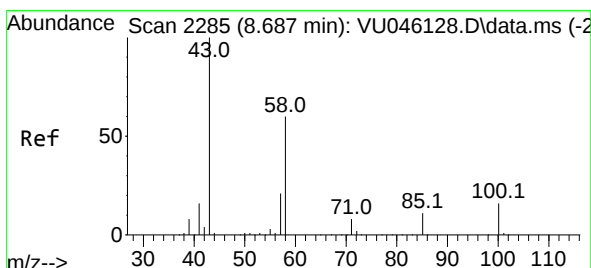
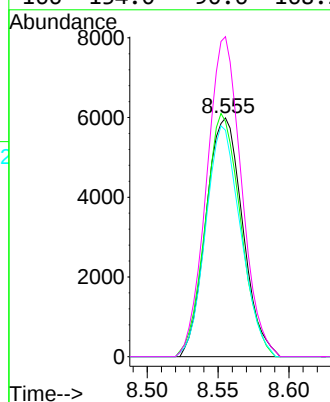
Ion Ratio Lower Upper

164 100

129 98.5 71.1 132.1

131 94.8 67.8 126.0

166 134.0 90.6 168.2



#48

2-Hexanone

Concen: 11.305 ug/L

RT: 8.684 min Scan# 2284

Delta R.T. -0.003 min

Lab File: VU046149.D

Acq: 07 Dec 2021 19:11

Tgt Ion: 43 Resp: 22254

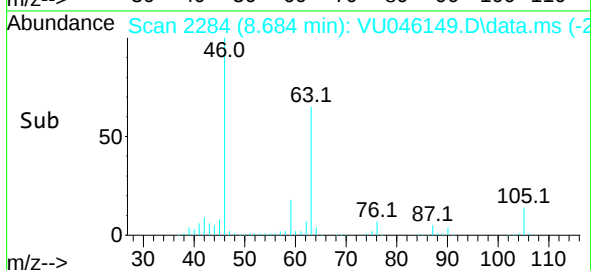
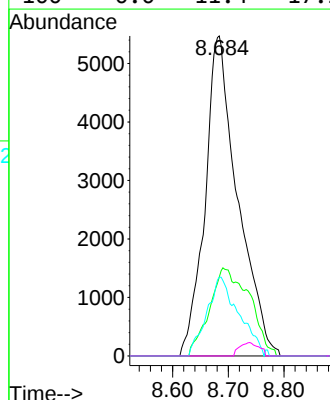
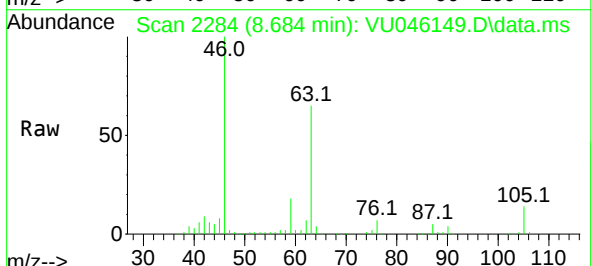
Ion Ratio Lower Upper

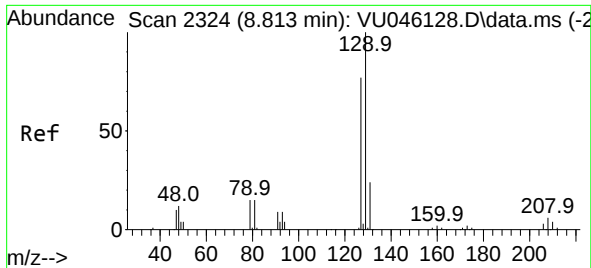
43 100

58 14.8 47.4 71.2#

57 16.8 16.6 25.0

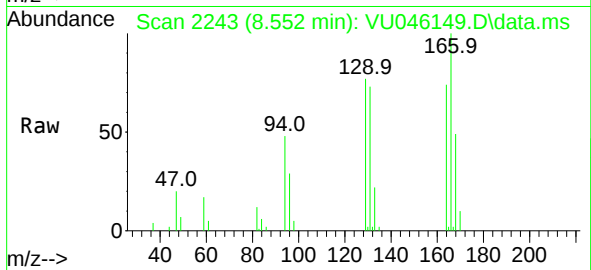
100 0.0 11.4 17.2#



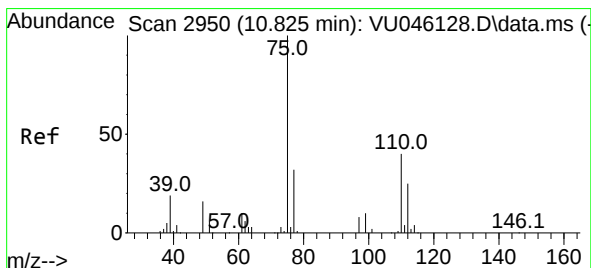
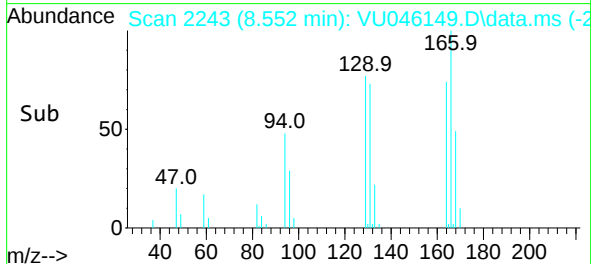
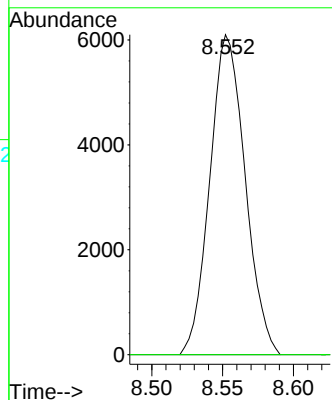


#49
Dibromochloromethane
Concen: 6.700 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU046149.D
Acq: 07 Dec 2021 19:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:129 Resp: 10574
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.090 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.993 min
Lab File: VU046149.D
Acq: 07 Dec 2021 19:11

Tgt Ion: 75 Resp: 10828
Ion Ratio Lower Upper
75 100
77 32.1 26.4 39.6
110 2.1 32.4 48.6#

