

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
 Data File : VU046123.D
 Acq On : 06 Dec 2021 19:50
 Operator : SY/MD
 Sample : M4883-13ME
 Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 01:13:27 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)

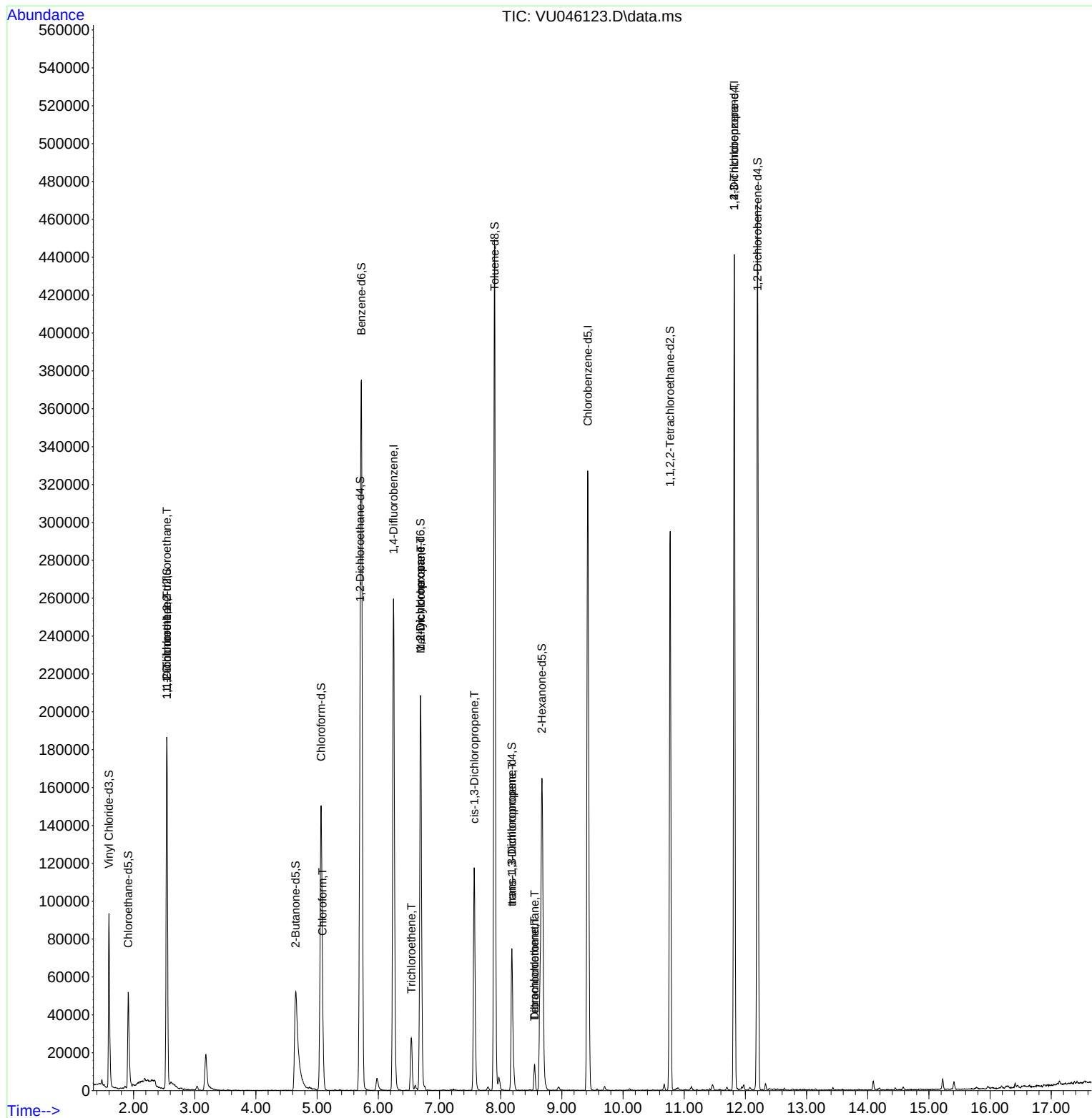
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	242365	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	232476	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	118367	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79103	39.621	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.240%
7) Chloroethane-d5	1.912	69	48741	31.797	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	63.600%#
11) 1,1-Dichloroethene-d2	2.543	63	112362	31.351	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.700%
21) 2-Butanone-d5	4.649	46	138767	87.434	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.430%
24) Chloroform-d	5.063	84	146462	43.930	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.860%
26) 1,2-Dichloroethane-d4	5.703	65	105914	47.336	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.680%
32) Benzene-d6	5.723	84	345600	51.867	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.740%
36) 1,2-Dichloropropane-d6	6.690	67	106395	51.522	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.040%
41) Toluene-d8	7.899	98	318955	52.574	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.140%
43) trans-1,3-Dichloroprop...	8.182	79	53147	53.314	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.620%
47) 2-Hexanone-d5	8.674	63	105838	108.096	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.100%
56) 1,1,2,2-Tetrachloroeth...	10.771	84	150707	48.123	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.240%
66) 1,2-Dichlorobenzene-d4	12.198	152	124798	54.747	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.500%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	1031	0.585	ug/L #	21
12) 1,1-Dichloroethene	2.546	96	854	0.510	ug/L #	1
25) Chloroform	5.089	83	17150	4.787	ug/L	99
34) Trichloroethene	6.539	95	8822	4.759	ug/L	94
35) Methylcyclohexane	6.694	83	25865	8.999	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	11363	6.165	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2918	1.041	ug/L #	80
44) trans-1,3-Dichloropropene	8.186	75	2216	0.805	ug/L	94
46) Tetrachloroethene	8.552	164	3154	2.315	ug/L	95
49) Dibromochloromethane	8.555	129	3071	1.581	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	13618	5.248	ug/L #	66

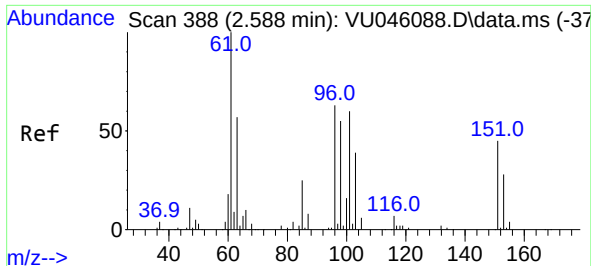
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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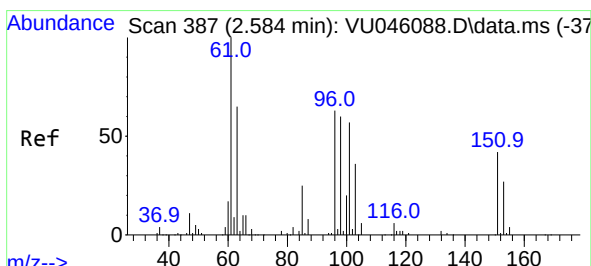
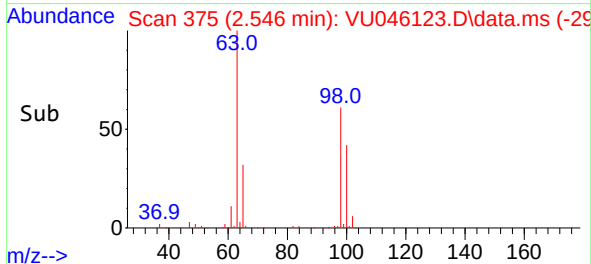
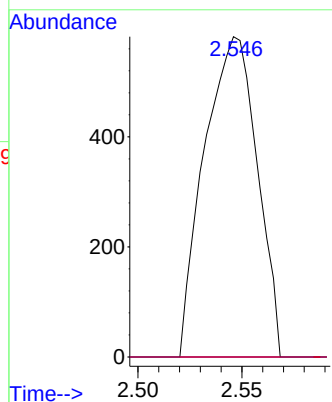
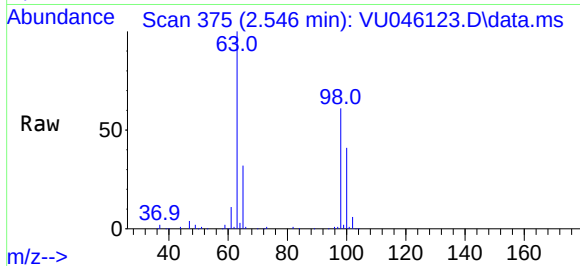




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.585 ug/L
RT: 2.546 min Scan# 375
Delta R.T. -0.042 min
Lab File: VU046123.D
Acq: 06 Dec 2021 19:50

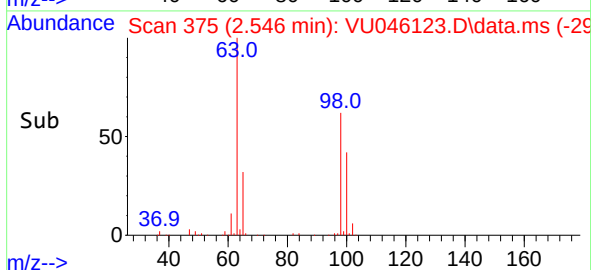
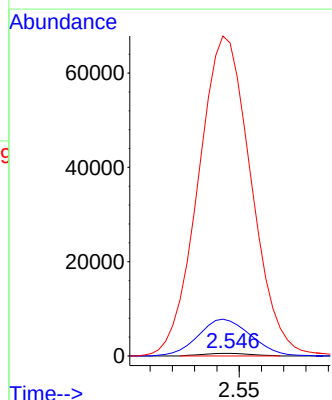
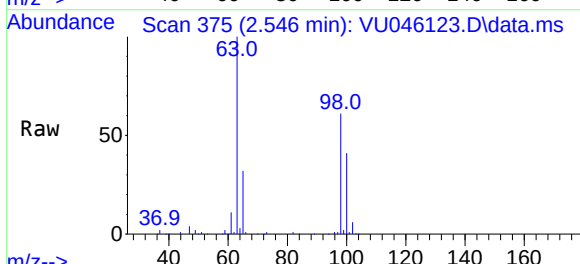
Instrument :
MSVOA_U
ClientSampleId :

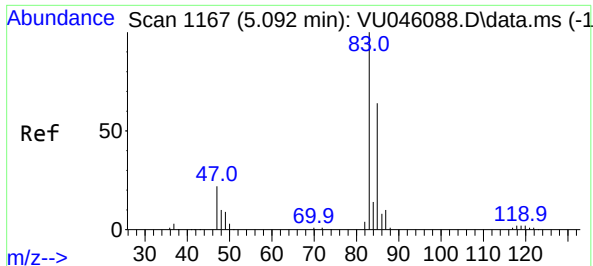
Tgt Ion:101 Resp: 1031
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.510 ug/L
RT: 2.546 min Scan# 375
Delta R.T. -0.039 min
Lab File: VU046123.D
Acq: 06 Dec 2021 19:50

Tgt Ion: 96 Resp: 854
Ion Ratio Lower Upper
96 100
61 1315.8 118.6 220.2#
63 11810.7 93.0 172.8#





#25

Chloroform

Concen: 4.787 ug/L

RT: 5.089 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU046123.D

Acq: 06 Dec 2021 19:50

Instrument :

MSVOA_U

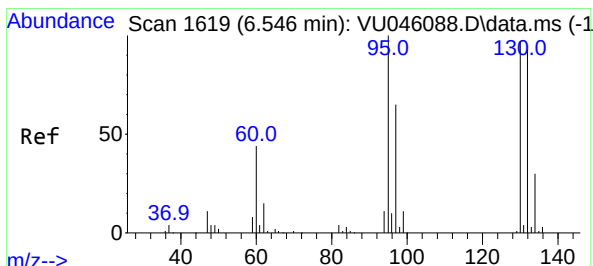
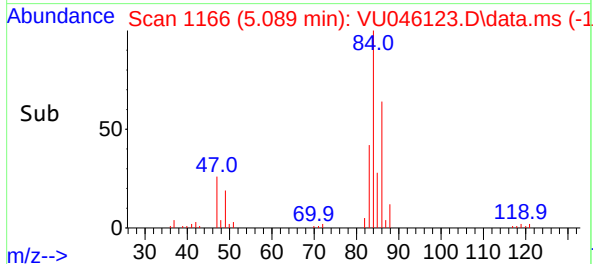
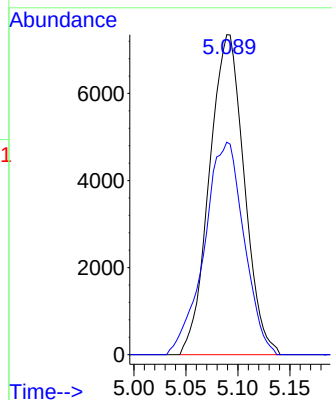
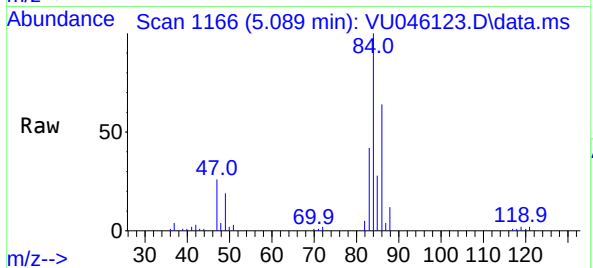
ClientSampleId :

Tgt Ion: 83 Resp: 17150

Ion Ratio Lower Upper

83 100

85 66.4 45.8 85.2



#34

Trichloroethene

Concen: 4.759 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.006 min

Lab File: VU046123.D

Acq: 06 Dec 2021 19:50

Tgt Ion: 95 Resp: 8822

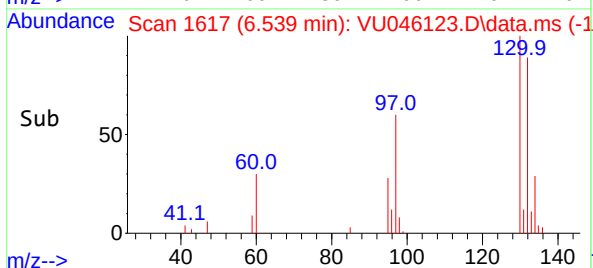
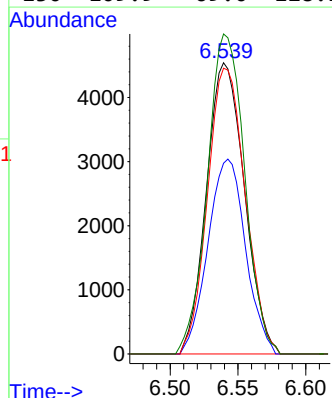
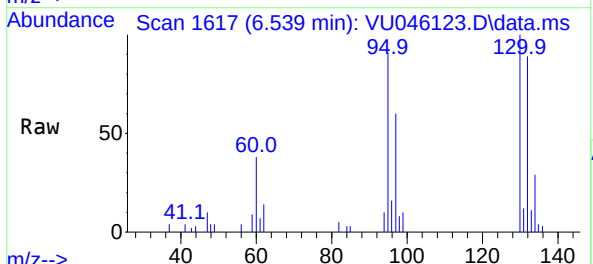
Ion Ratio Lower Upper

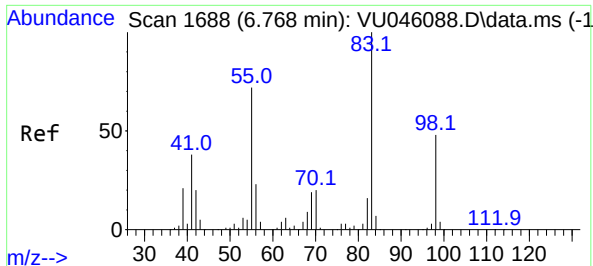
95 100

97 65.5 44.1 81.9

132 98.1 66.8 124.0

130 109.9 69.0 128.1

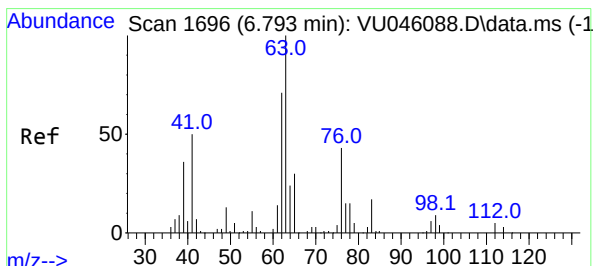
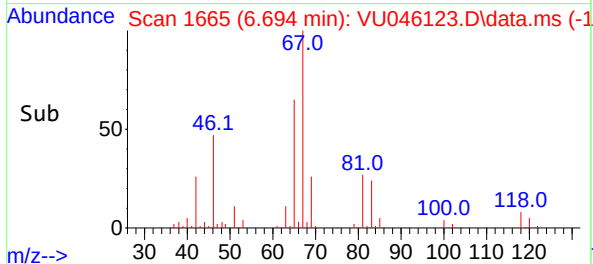
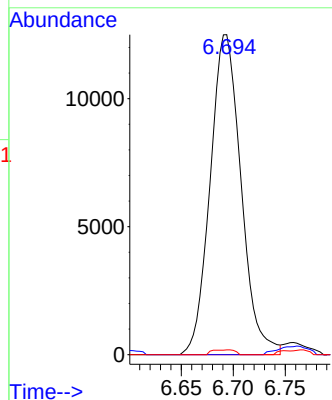
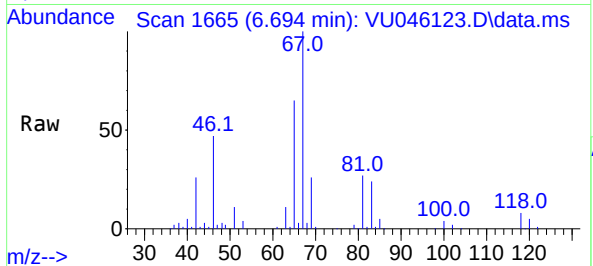




#35
Methylcyclohexane
Concen: 8.999 ug/L
RT: 6.694 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU046123.D
Acq: 06 Dec 2021 19:50

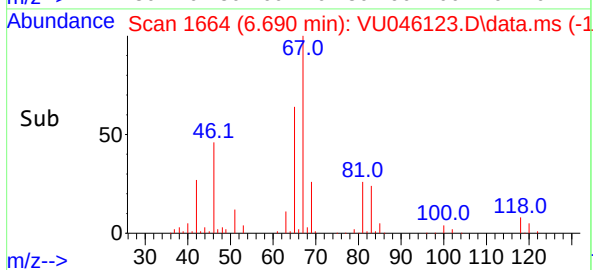
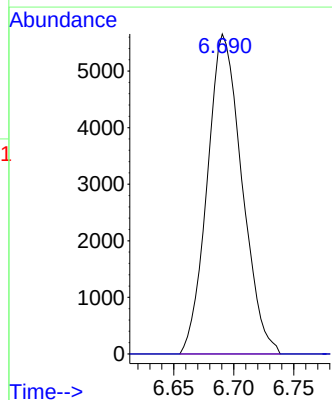
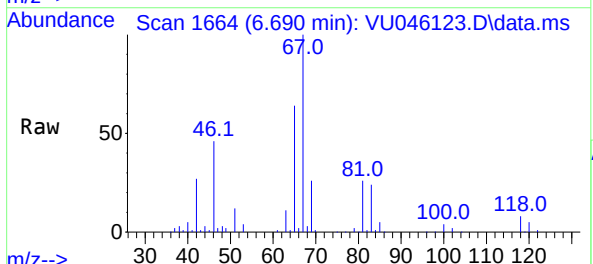
Instrument :
MSVOA_U
ClientSampleId :

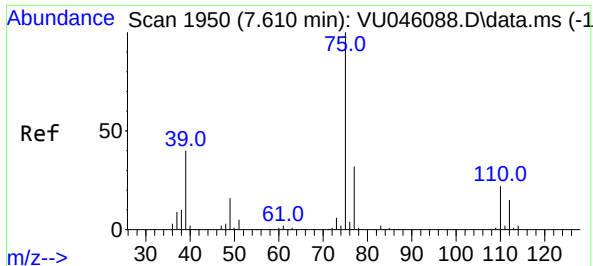
Tgt Ion: 83 Resp: 25865
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.5 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 6.165 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046123.D
Acq: 06 Dec 2021 19:50

Tgt Ion: 63 Resp: 11363
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.041 ug/L

RT: 7.568 min Scan# 19

Delta R.T. -0.042 min

Lab File: VU046123.D

Acq: 06 Dec 2021 19:50

Instrument :

MSVOA_U

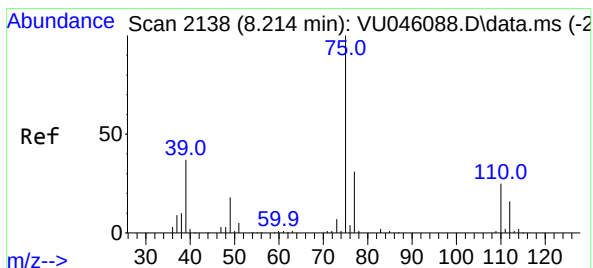
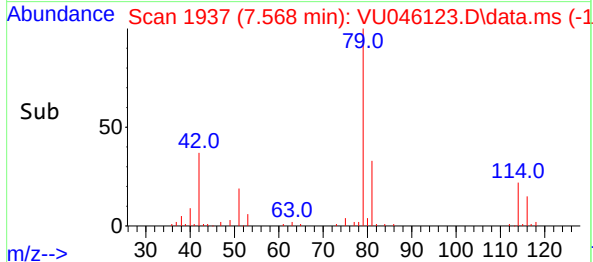
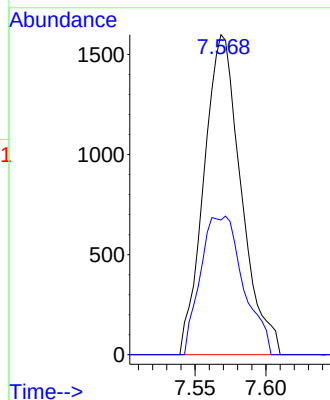
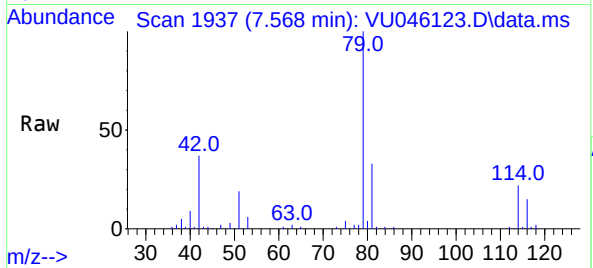
ClientSampleId :

Tgt Ion: 75 Resp: 2918

Ion Ratio Lower Upper

75 100

77 42.1 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.805 ug/L

RT: 8.186 min Scan# 2129

Delta R.T. -0.029 min

Lab File: VU046123.D

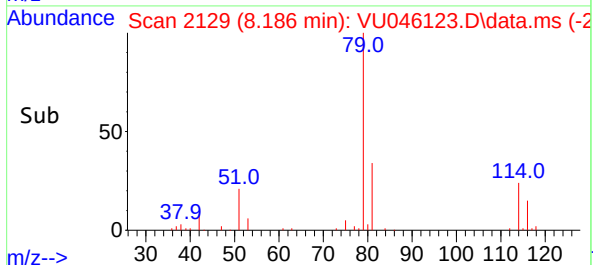
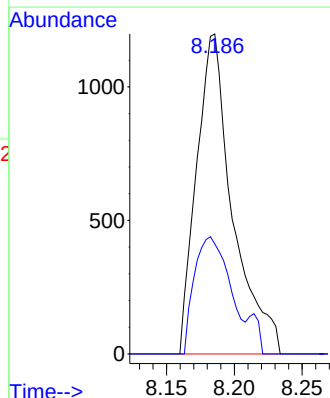
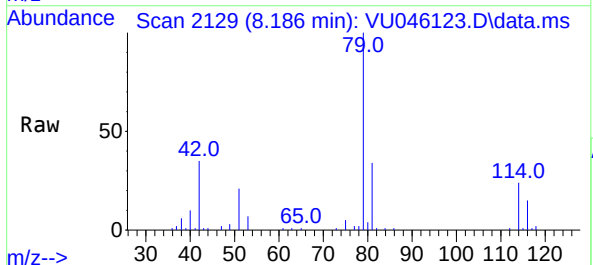
Acq: 06 Dec 2021 19:50

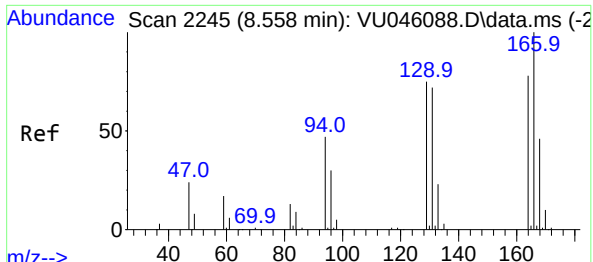
Tgt Ion: 75 Resp: 2216

Ion Ratio Lower Upper

75 100

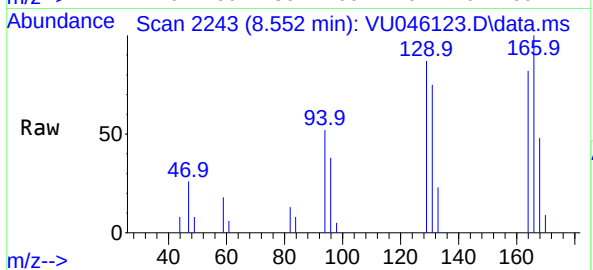
77 34.4 21.7 40.3



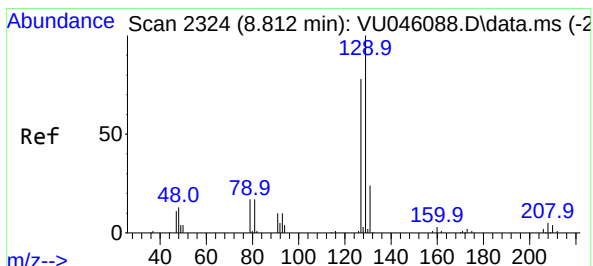
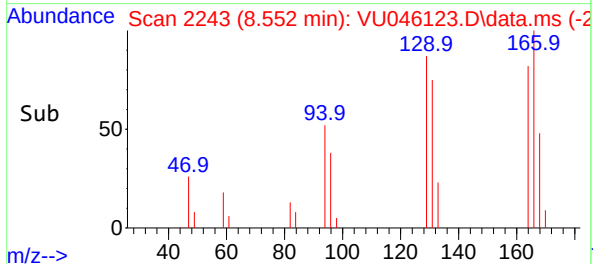
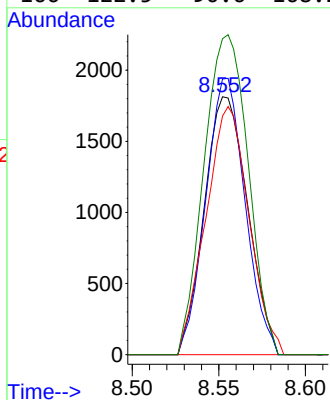


#46
Tetrachloroethene
Concen: 2.315 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046123.D
Acq: 06 Dec 2021 19:50

Instrument :
MSVOA_U
ClientSampleId :

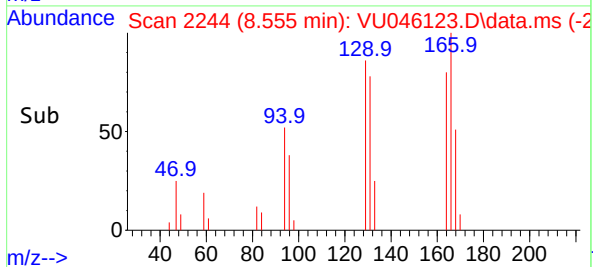
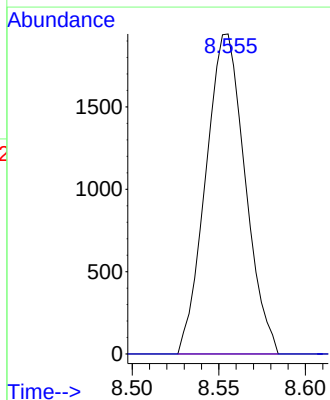
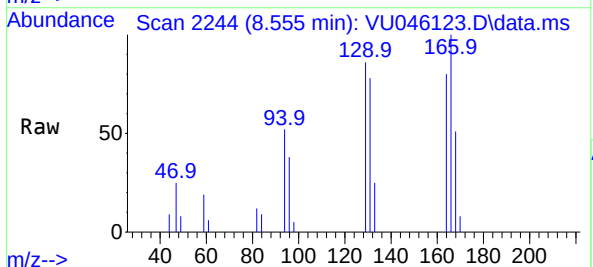


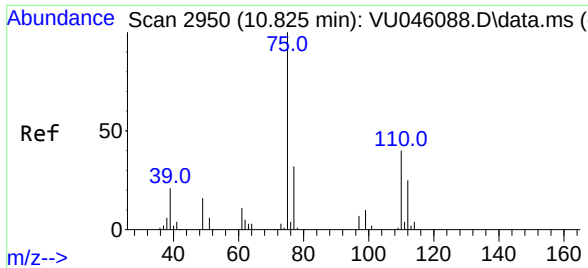
Tgt Ion:164 Resp: 3154
Ion Ratio Lower Upper
164 100
129 106.8 71.1 132.1
131 92.4 67.8 126.0
166 122.5 90.6 168.2



#49
Dibromochloromethane
Concen: 1.581 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046123.D
Acq: 06 Dec 2021 19:50

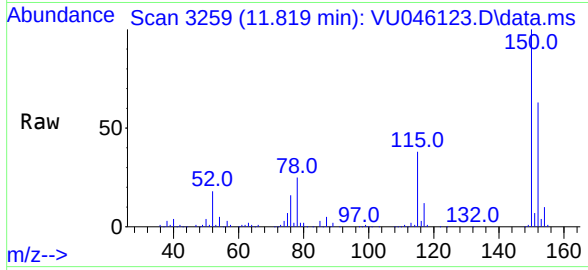
Tgt Ion:129 Resp: 3071
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.248 ug/L
 RT: 11.819 min Scan# 31
 Delta R.T. 0.994 min
 Lab File: VU046123.D
 Acq: 06 Dec 2021 19:50

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 13618

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.4	39.6
110	2.5	32.4	48.6#

