

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046177.D
 Acq On : 08 Dec 2021 15:49
 Operator : SY/MD
 Sample : M4887-10ME
 Misc : 5.11g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 09 03:20:18 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

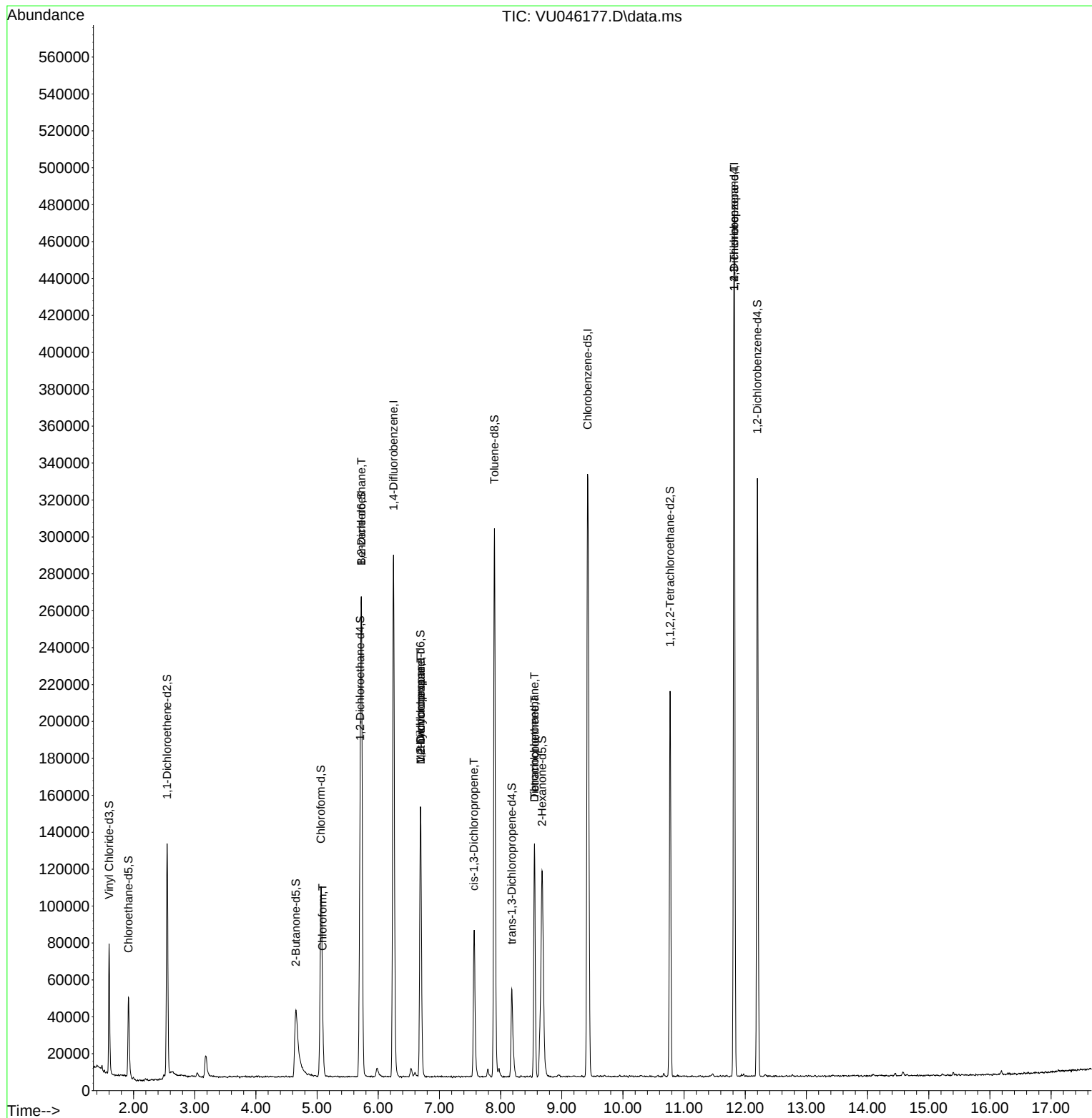
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	255550	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	251309	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	129715	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	55915	26.562	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	53.120%#
7) Chloroethane-d5	1.915	69	39295	24.312	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	48.620%#
11) 1,1-Dichloroethene-d2	2.549	63	76092	20.135	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	40.280%#
21) 2-Butanone-d5	4.652	46	99835	59.658	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	59.660%
24) Chloroform-d	5.063	84	98372	27.983	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	55.960%#
26) 1,2-Dichloroethane-d4	5.703	65	74018	31.374	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	62.740%#
32) Benzene-d6	5.726	84	238654	33.133	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.260%#
36) 1,2-Dichloropropane-d6	6.690	67	73790	33.055	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	66.120%#
41) Toluene-d8	7.899	98	217694	33.194	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	66.380%#
43) trans-1,3-Dichloroprop...	8.182	79	36737	34.091	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.180%
47) 2-Hexanone-d5	8.677	63	72674	68.662	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	68.660%
56) 1,1,2,2-Tetrachloroeth...	10.770	84	105086	31.041	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	62.080%#
66) 1,2-Dichlorobenzene-d4	12.198	152	86510	34.631	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.260%#
Target Compounds						
25) Chloroform	5.089	83	15214	4.027	ug/L	97
27) 1,2-Dichloroethane	5.726	62	1166	0.416	ug/L #	73
35) Methylcyclohexane	6.693	83	17975	5.785	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	7847	3.938	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	2019	0.666	ug/L #	57
46) Tetrachloroethene	8.555	164	30068	20.419	ug/L	95
49) Dibromochloromethane	8.552	129	28372	13.516	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	14131	4.970	ug/L #	66

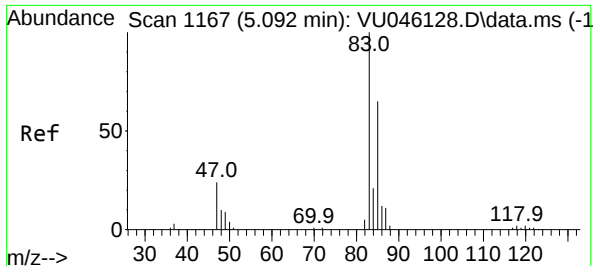
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration





#25

Chloroform

Concen: 4.027 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU046177.D

Acq: 08 Dec 2021 15:49

Instrument :

MSVOA_U

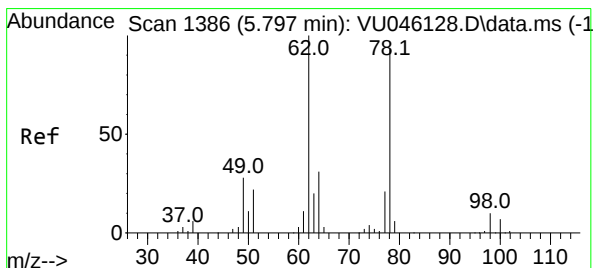
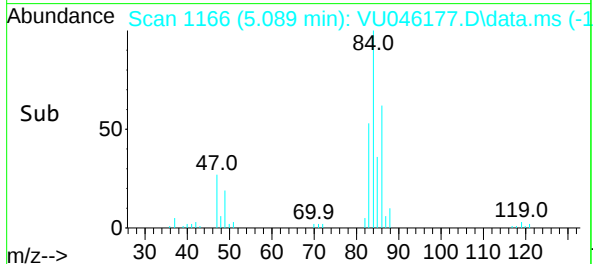
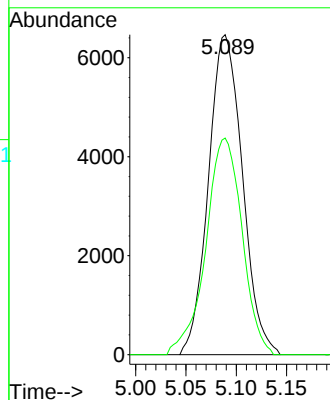
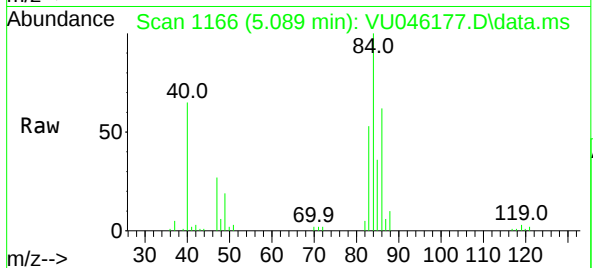
ClientSampleId :

Tgt Ion: 83 Resp: 15214

Ion Ratio Lower Upper

83 100

85 67.7 45.8 85.2



#27

1,2-Dichloroethane

Concen: 0.416 ug/L

RT: 5.726 min Scan# 1364

Delta R.T. -0.074 min

Lab File: VU046177.D

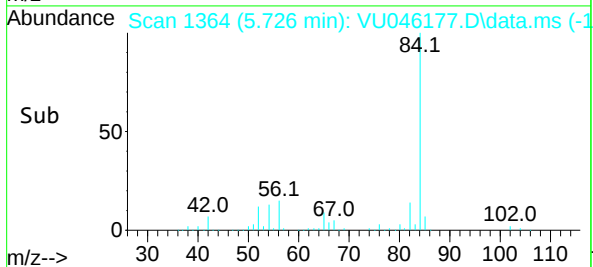
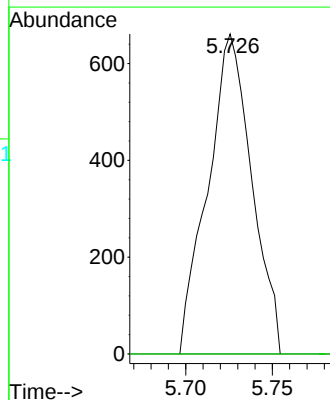
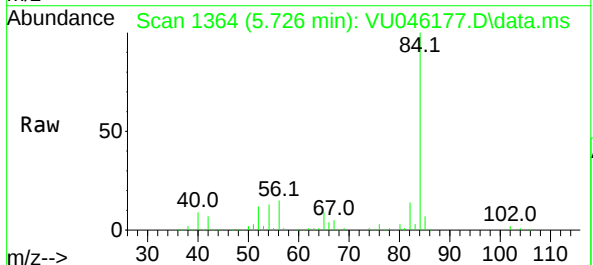
Acq: 08 Dec 2021 15:49

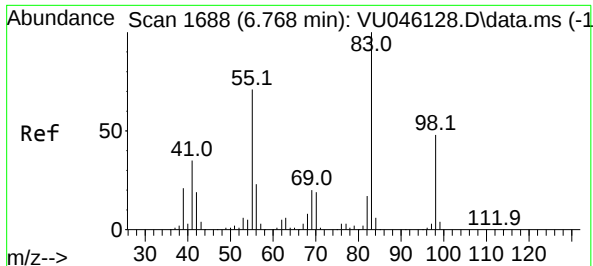
Tgt Ion: 62 Resp: 1166

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#

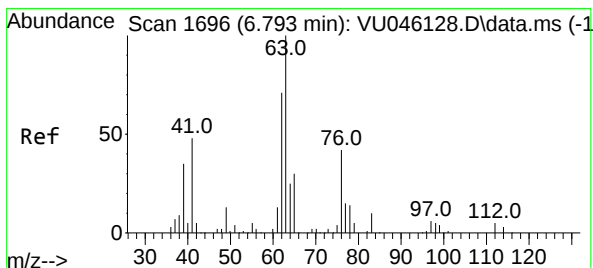
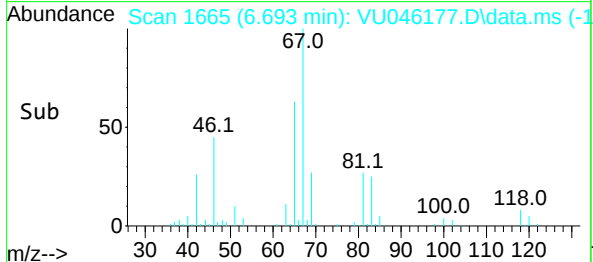
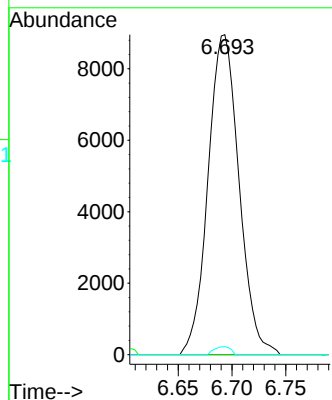
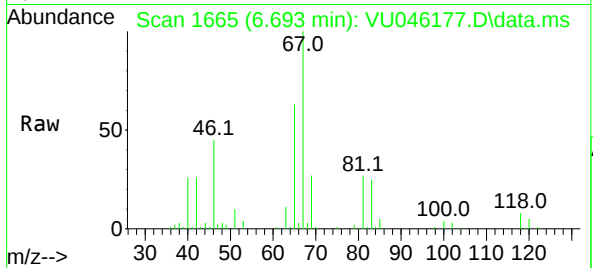




#35
Methylcyclohexane
Concen: 5.785 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046177.D
Acq: 08 Dec 2021 15:49

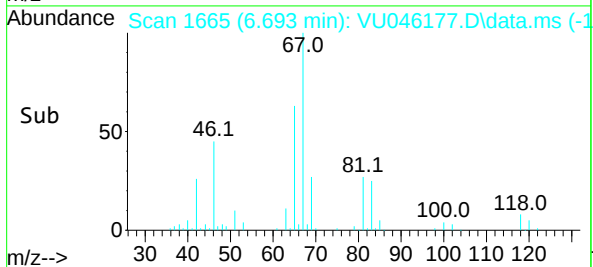
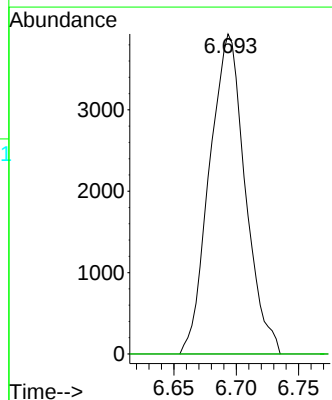
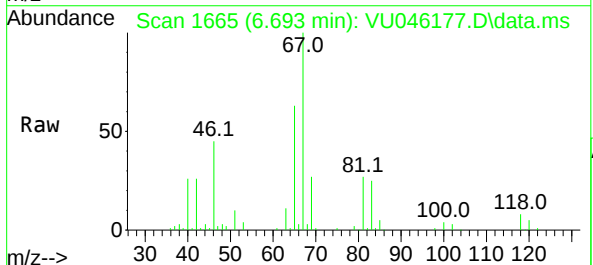
Instrument :
MSVOA_U
ClientSampleId :

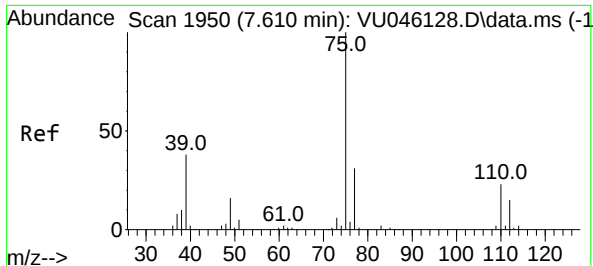
Tgt Ion: 83 Resp: 17975
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 1.3 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 3.938 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046177.D
Acq: 08 Dec 2021 15:49

Tgt Ion: 63 Resp: 7847
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.666 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046177.D

Acq: 08 Dec 2021 15:49

Instrument :

MSVOA_U

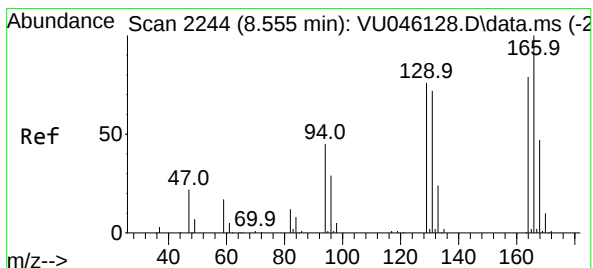
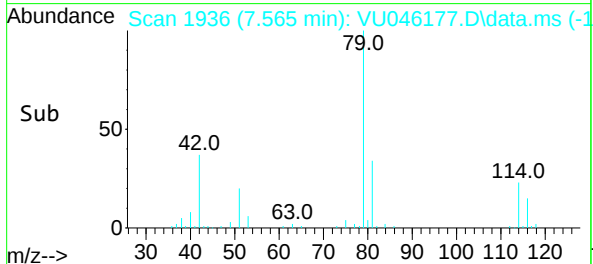
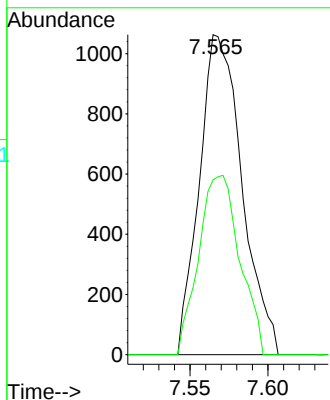
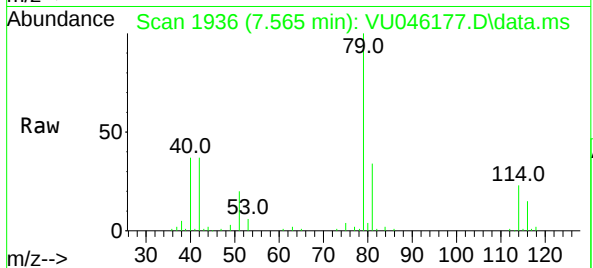
ClientSampleId :

Tgt Ion: 75 Resp: 2019

Ion Ratio Lower Upper

75 100

77 54.7 21.8 40.6#



#46

Tetrachloroethene

Concen: 20.419 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046177.D

Acq: 08 Dec 2021 15:49

Tgt Ion: 164 Resp: 30068

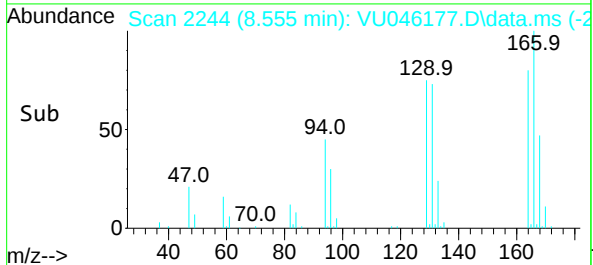
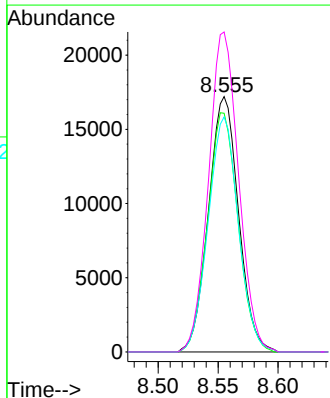
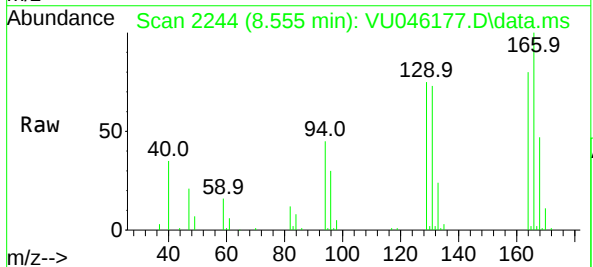
Ion Ratio Lower Upper

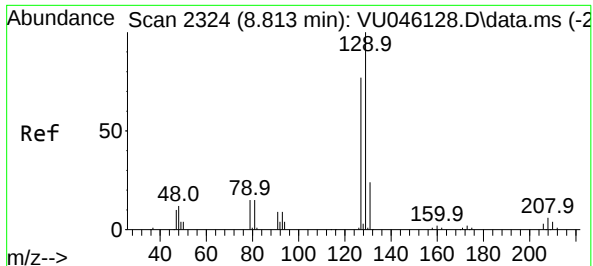
164 100

129 93.5 71.1 132.1

131 92.1 67.8 126.0

166 125.3 90.6 168.2





#49

Dibromochloromethane

Concen: 13.516 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.261 min

Lab File: VU046177.D

Acq: 08 Dec 2021 15:49

Instrument :

MSVOA_U

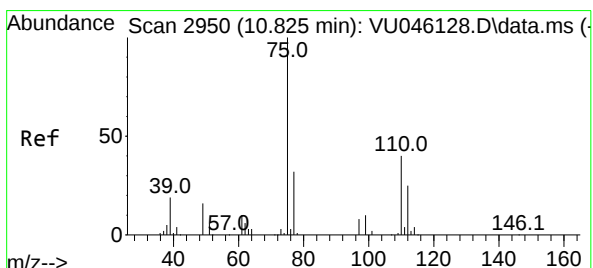
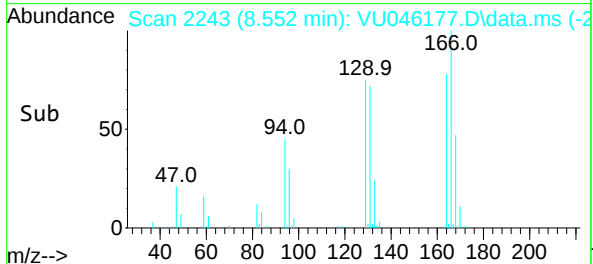
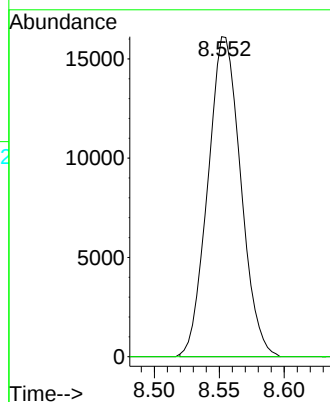
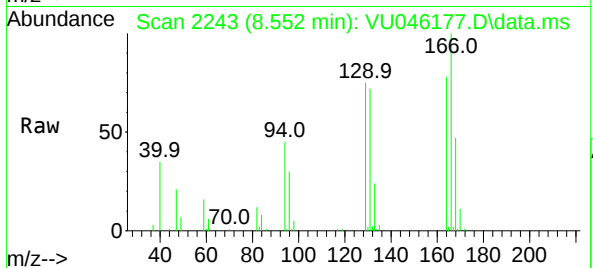
ClientSampleId :

Tgt Ion:129 Resp: 28372

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 4.970 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.993 min

Lab File: VU046177.D

Acq: 08 Dec 2021 15:49

Tgt Ion: 75 Resp: 14131

Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6

110 2.3 32.4 48.6#

