

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111821\
 Data File : VU045863.D
 Acq On : 18 Nov 2021 13:07
 Operator : SY/MD
 Sample : M4686-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:52:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 19 00:50:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	89671	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	95448	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	43072	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	35294	4.968	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.400%
7) Chloroethane-d5	1.916	69	27581	5.333	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.600%
11) 1,1-Dichloroethene-d2	2.568	65	14448	4.849	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.000%
20) 2-Butanone-d5	4.642	46	96174	50.514	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.020%
24) Chloroform-d	5.067	84	50544	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.707	65	34047	4.902	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.732	84	119964	4.564	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.694	67	39584	4.778	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.899	98	102074	4.293	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	8.182	79	14335	4.263	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.636	63	63494	41.948	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.900%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32486	4.642	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	39354	5.321	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	1272	0.174	ug/L	99
3) Chloromethane	1.520	50	5665	0.732	ug/L	96
9) Trichlorofluoromethane	2.144	101	1358	0.135	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	602	0.102	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	1526	0.275	ug/L #	1
17) Methyl tert-butyl Ether	3.369	73	7454	0.516	ug/L	99
19) 1,1-Dichloroethane	3.874	63	6052	0.543	ug/L	95
22) cis-1,2-Dichloroethene	4.671	96	8928	1.384	ug/L	98
25) Chloroform	5.092	83	13127	1.085	ug/L	100
31) Carbon tetrachloride	5.527	117	761	0.087	ug/L	99
34) Trichloroethene	6.546	95	122077	17.784	ug/L	99
35) Methylcyclohexane	6.694	83	9133	0.866	ug/L #	17
37) 1,2-Dichloropropane	6.793	63	1160	0.165	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	1003	0.101	ug/L #	61
47) Tetrachloroethene	8.555	164	22076	4.594	ug/L	98
49) Dibromochloromethane	8.555	129	22068	3.723	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	5365	1.200	ug/L #	67

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 19 00:50:55 2021
Response via : Initial Calibration

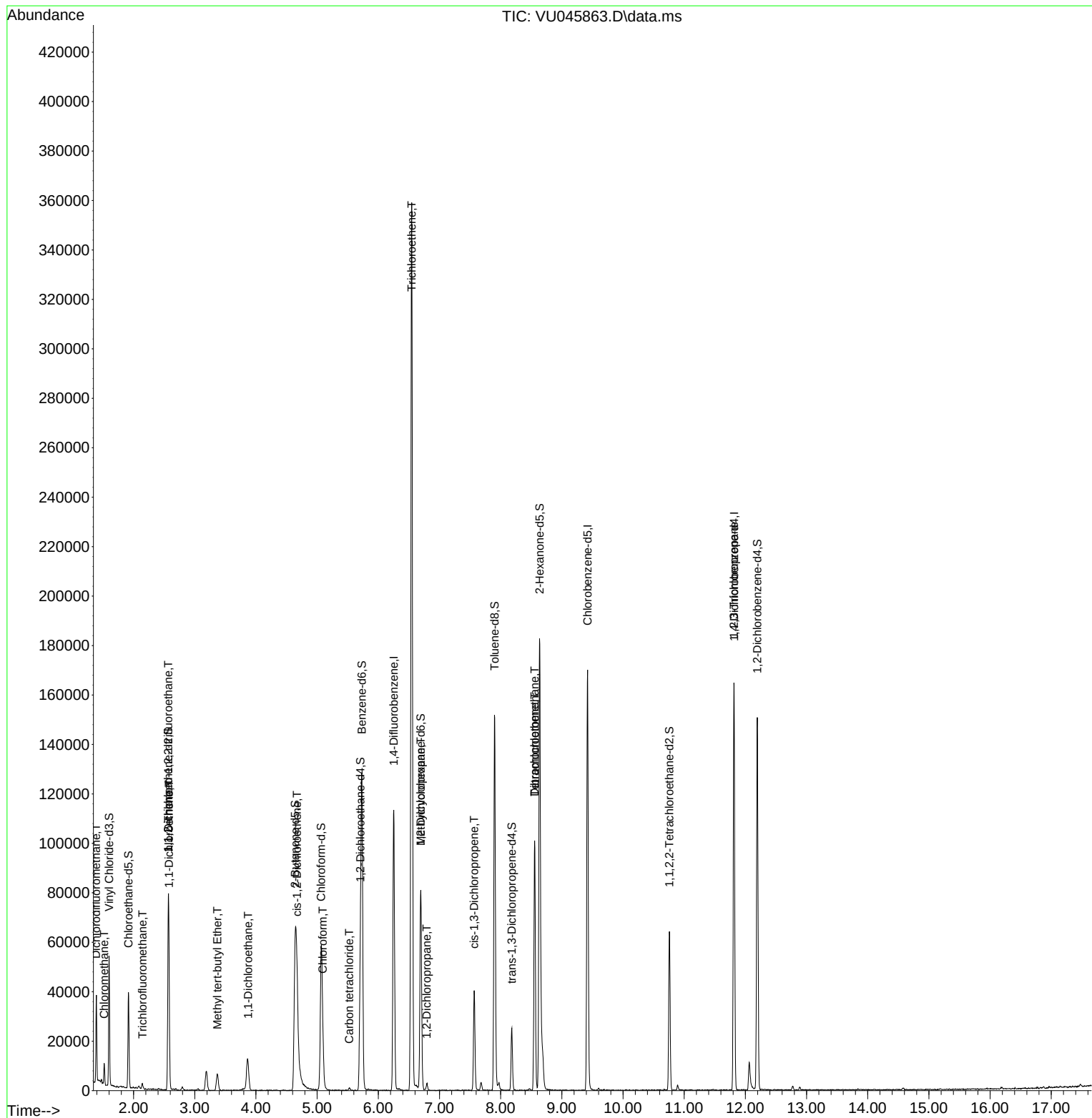
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

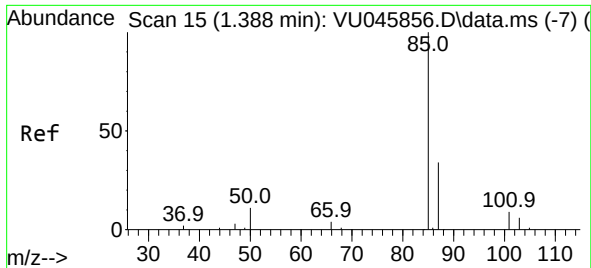
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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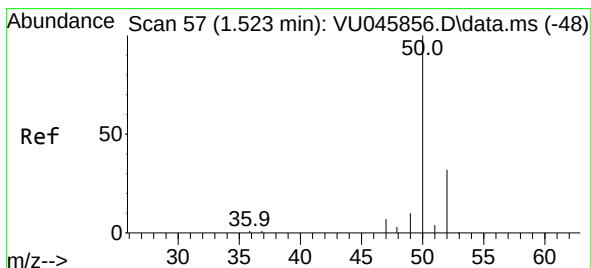
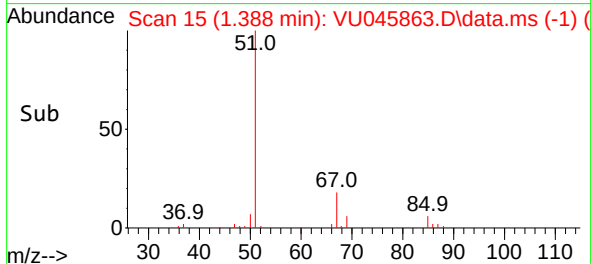
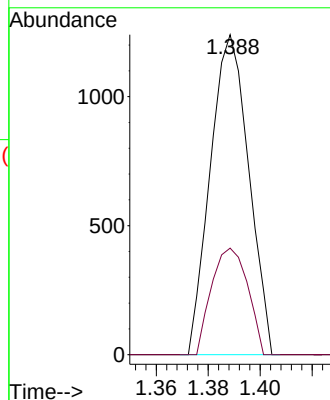
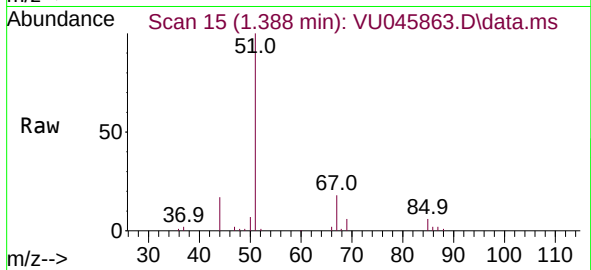




#2
Dichlorodifluoromethane
Concen: 0.174 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045863.D
Acq: 18 Nov 2021 13:07

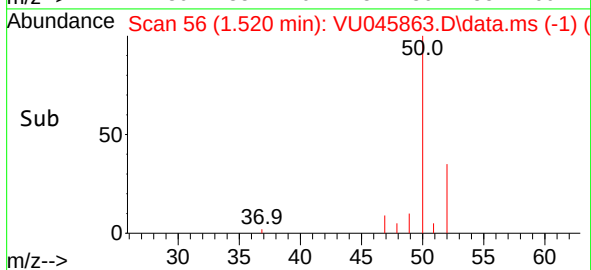
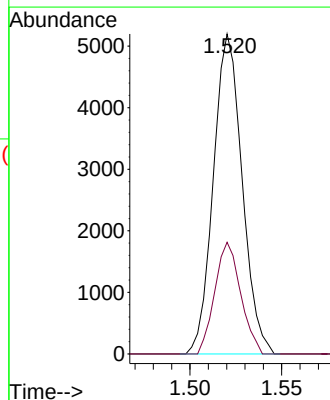
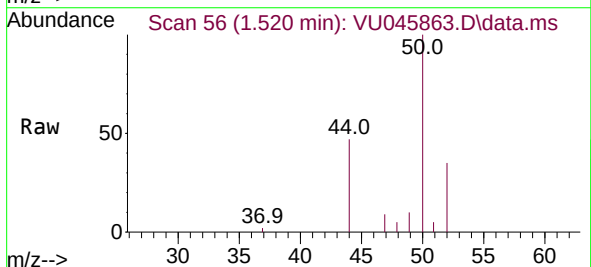
Instrument :
MSVOA_U
ClientSampleId :

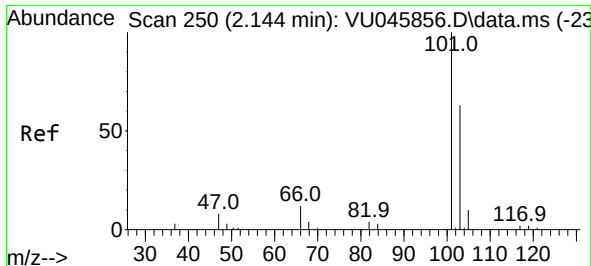
Tgt Ion: 85 Resp: 1272
Ion Ratio Lower Upper
85 100
87 31.4 25.8 38.6



#3
Chloromethane
Concen: 0.732 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU045863.D
Acq: 18 Nov 2021 13:07

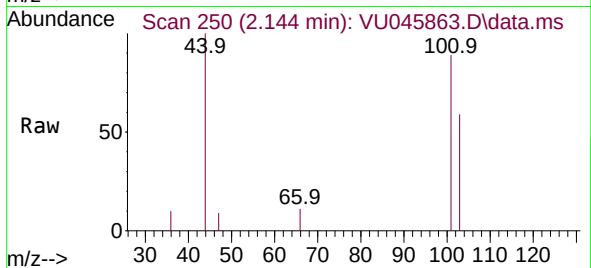
Tgt Ion: 50 Resp: 5665
Ion Ratio Lower Upper
50 100
52 34.9 23.0 42.8



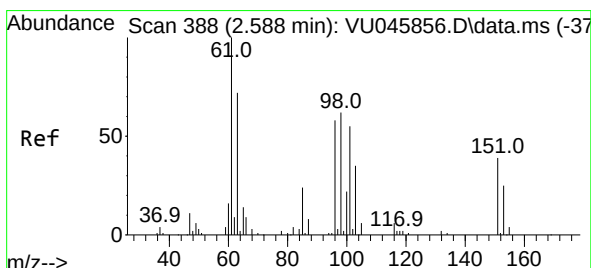
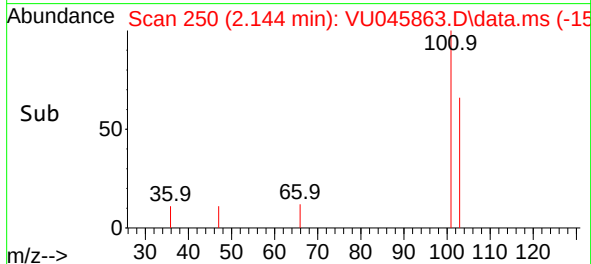
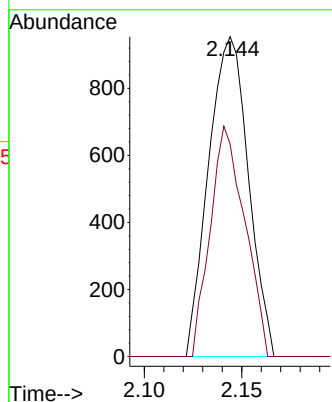


#9
 Trichlorofluoromethane
 Concen: 0.135 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU045863.D
 Acq: 18 Nov 2021 13:07

Instrument :
 MSVOA_U
 ClientSampleId :

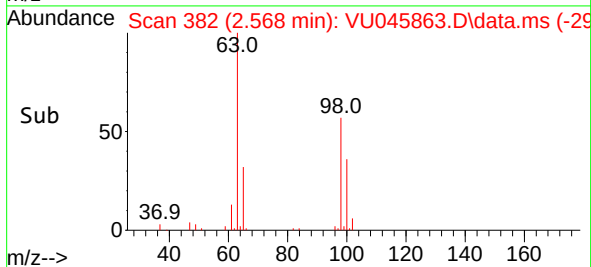
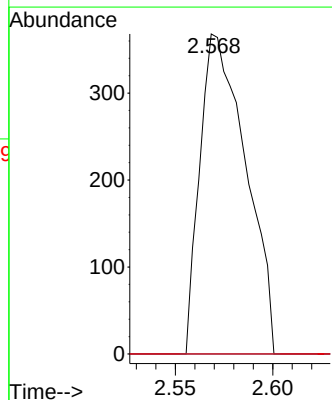
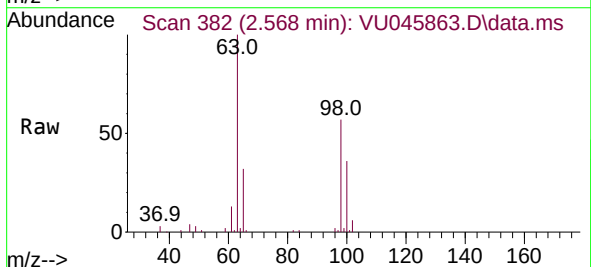


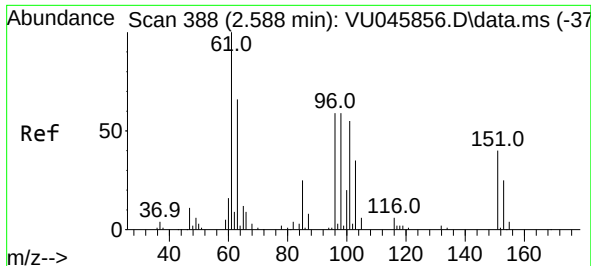
Tgt Ion:101 Resp: 1358
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.102 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU045863.D
 Acq: 18 Nov 2021 13:07

Tgt Ion:101 Resp: 602
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.275 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.009 min

Lab File: VU045863.D

Acq: 18 Nov 2021 13:07

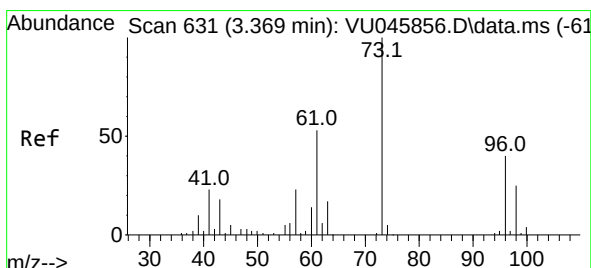
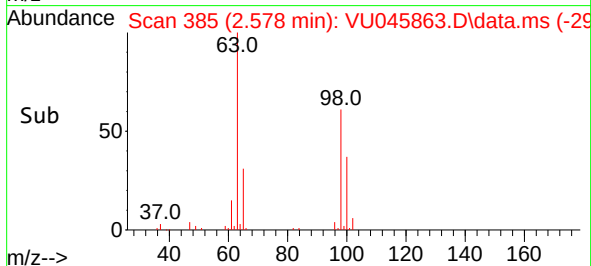
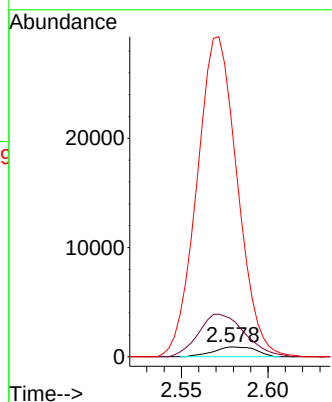
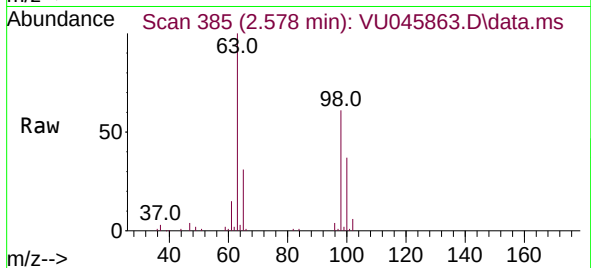
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 1526

Ion	Ratio	Lower	Upper
96	100		
61	391.5	124.7	231.5#
63	2528.1	105.2	195.4#



#17

Methyl tert-butyl Ether

Concen: 0.516 ug/L

RT: 3.369 min Scan# 631

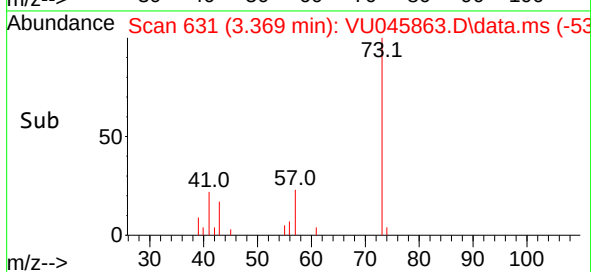
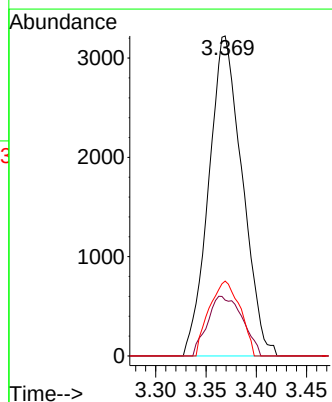
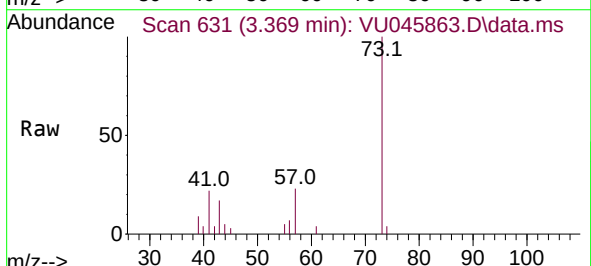
Delta R.T. 0.000 min

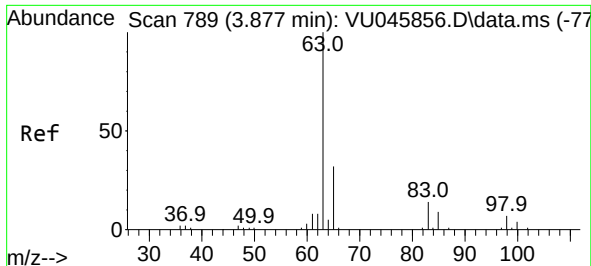
Lab File: VU045863.D

Acq: 18 Nov 2021 13:07

Tgt Ion: 73 Resp: 7454

Ion	Ratio	Lower	Upper
73	100		
43	19.4	14.8	22.2
57	21.6	17.4	26.0





#19

1,1-Dichloroethane

Concen: 0.543 ug/L

RT: 3.874 min Scan# 7

Delta R.T. -0.003 min

Lab File: VU045863.D

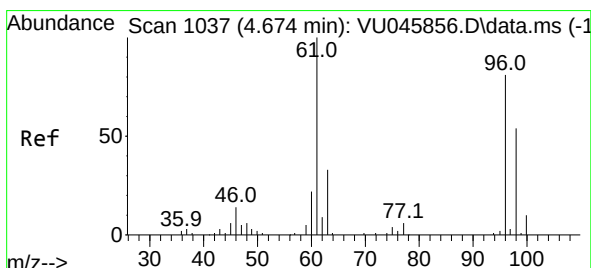
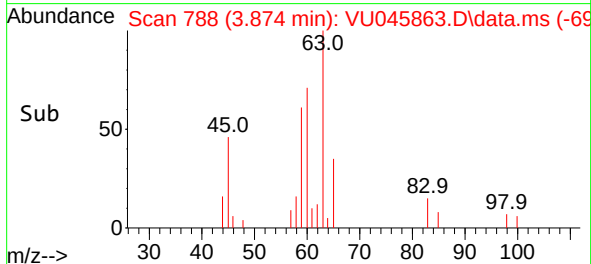
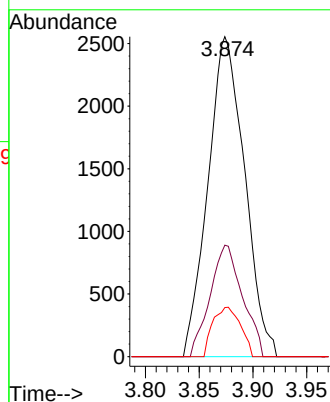
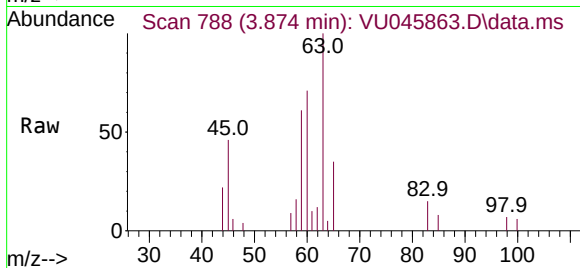
Acq: 18 Nov 2021 13:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 6052
Ion Ratio	Lower Upper
63 100	
65 34.8	22.3 41.5
83 15.3	9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 1.384 ug/L

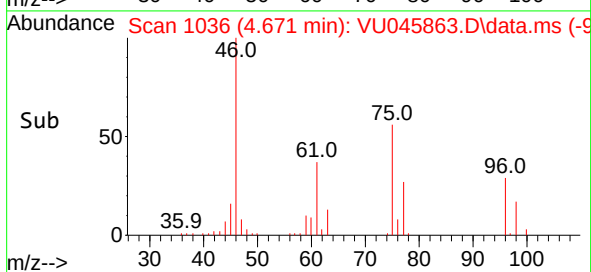
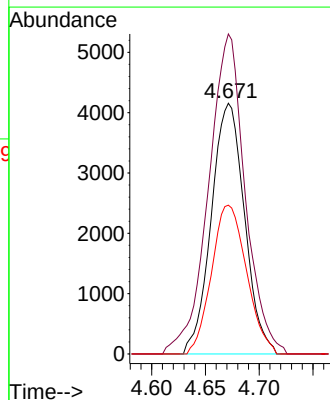
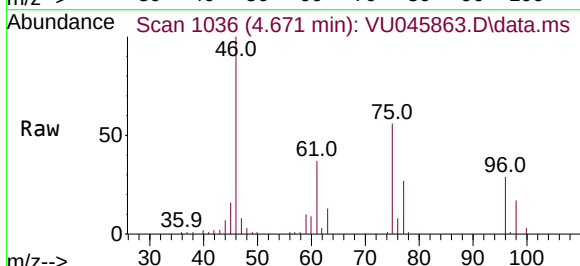
RT: 4.671 min Scan# 1036

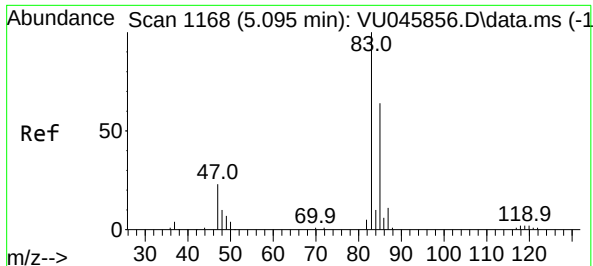
Delta R.T. -0.003 min

Lab File: VU045863.D

Acq: 18 Nov 2021 13:07

Tgt Ion: 96	Resp: 8928
Ion Ratio	Lower Upper
96 100	
61 127.6	88.5 164.3
98 59.4	44.4 82.5





#25

Chloroform

Concen: 1.085 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU045863.D

Acq: 18 Nov 2021 13:07

Instrument :

MSVOA_U

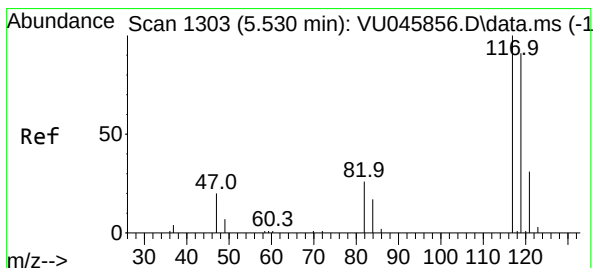
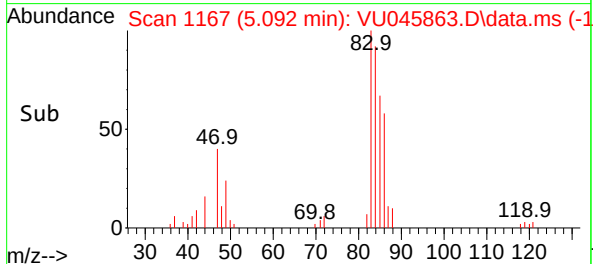
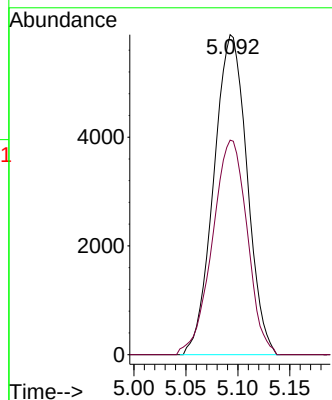
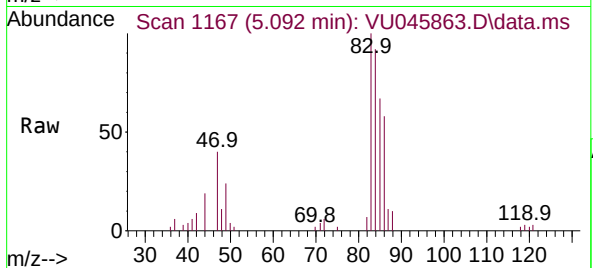
ClientSampleId :

Tgt Ion: 83 Resp: 13127

Ion Ratio Lower Upper

83 100

85 67.1 46.9 87.1



#31

Carbon tetrachloride

Concen: 0.087 ug/L

RT: 5.527 min Scan# 1302

Delta R.T. -0.003 min

Lab File: VU045863.D

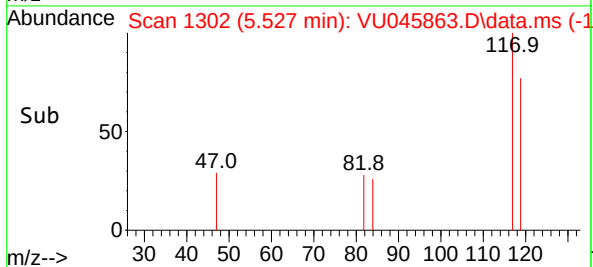
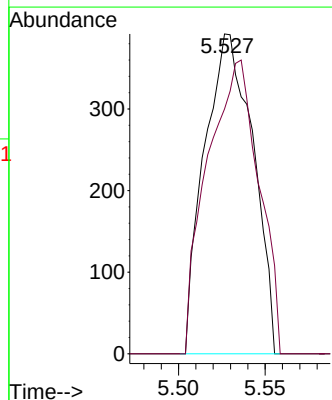
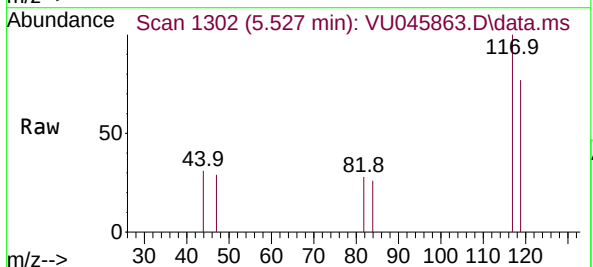
Acq: 18 Nov 2021 13:07

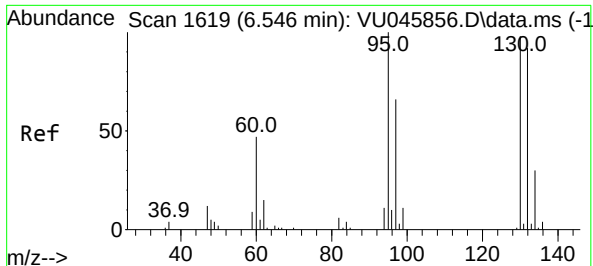
Tgt Ion: 117 Resp: 761

Ion Ratio Lower Upper

117 100

119 97.6 77.5 116.3

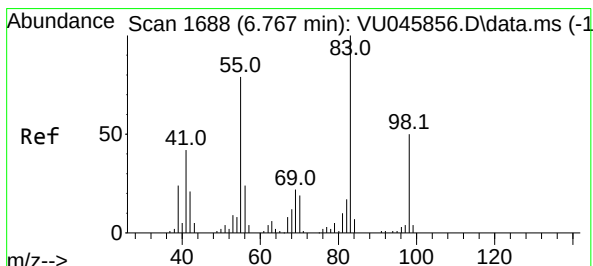
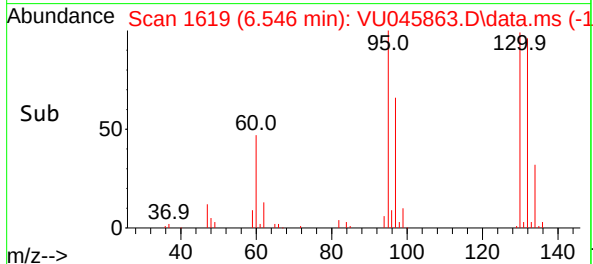
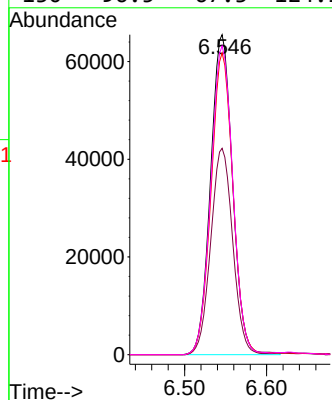
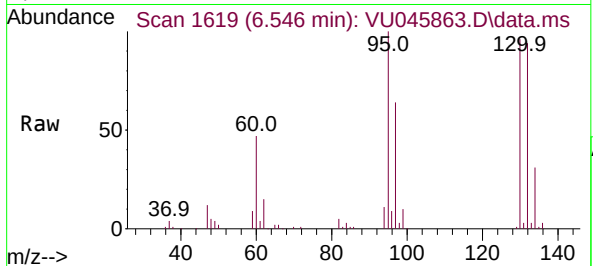




#34
Trichloroethene
Concen: 17.784 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045863.D
Acq: 18 Nov 2021 13:07

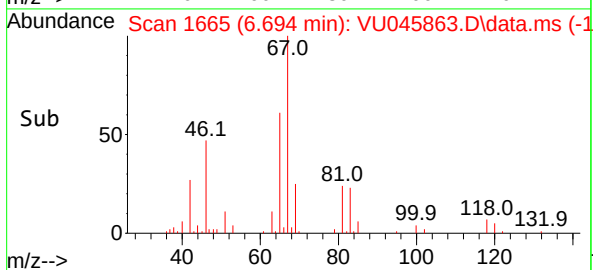
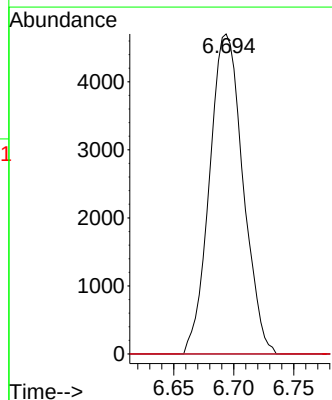
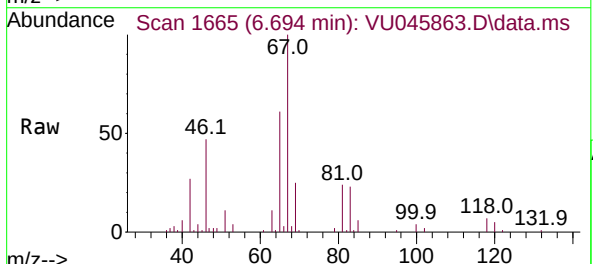
Instrument :
MSVOA_U
ClientSampleId :

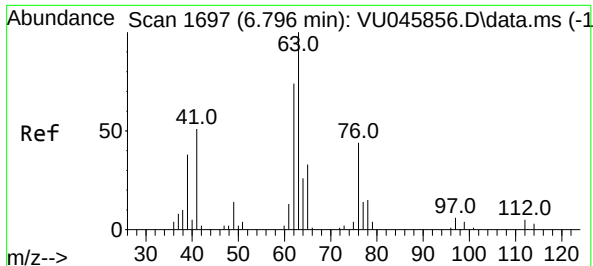
Tgt Ion: 95 Resp: 122077
Ion Ratio Lower Upper
95 100
97 64.5 46.5 86.5
132 94.3 65.1 120.9
130 96.5 67.3 124.9



#35
Methylcyclohexane
Concen: 0.866 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045863.D
Acq: 18 Nov 2021 13:07

Tgt Ion: 83 Resp: 9133
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.165 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU045863.D

Acq: 18 Nov 2021 13:07

Instrument :

MSVOA_U

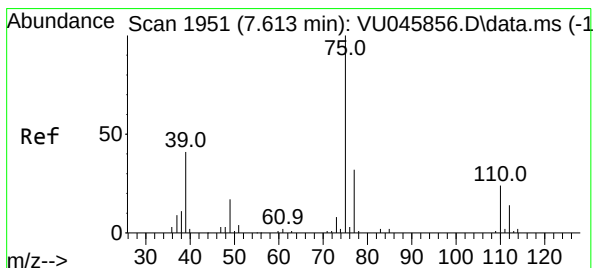
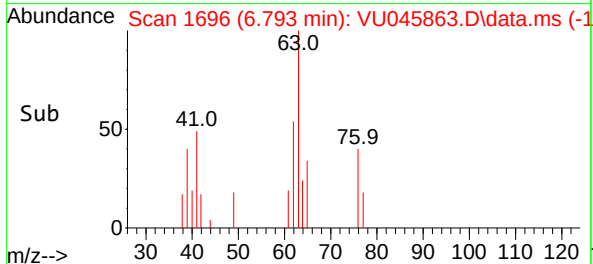
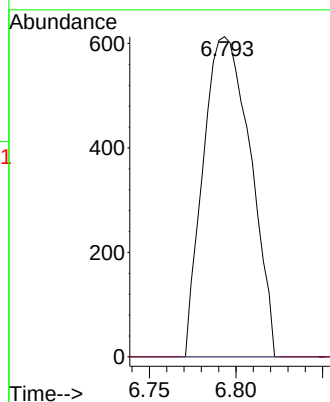
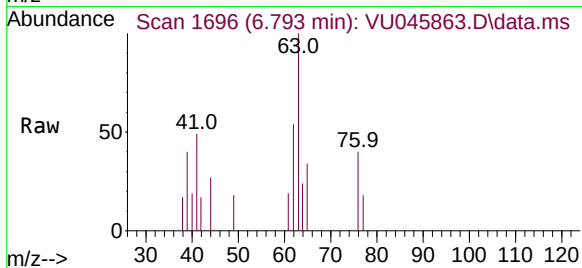
ClientSampleId :

Tgt Ion: 63 Resp: 1160

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.048 min

Lab File: VU045863.D

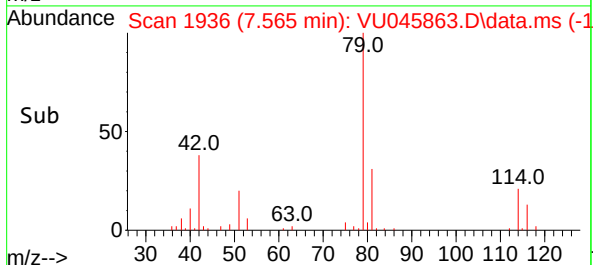
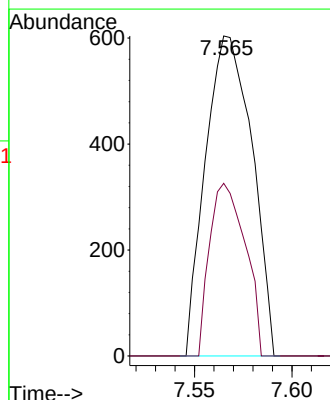
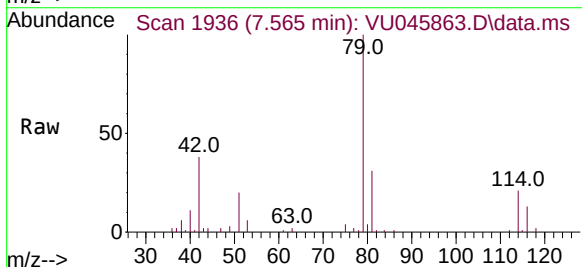
Acq: 18 Nov 2021 13:07

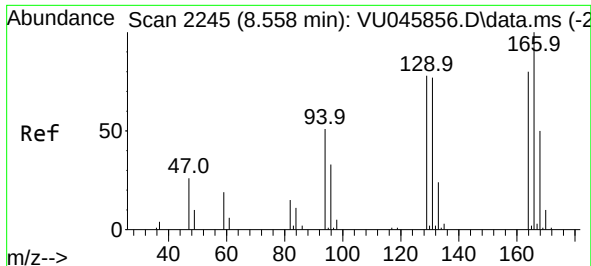
Tgt Ion: 75 Resp: 1003

Ion Ratio Lower Upper

75 100

77 54.0 22.5 41.9#





#47

Tetrachloroethene

Concen: 4.594 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.003 min

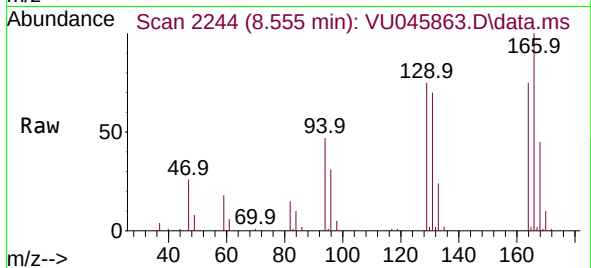
Lab File: VU045863.D

Acq: 18 Nov 2021 13:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 22076

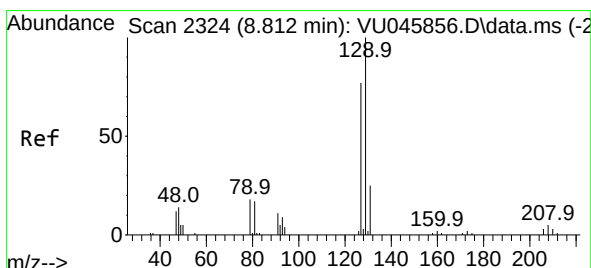
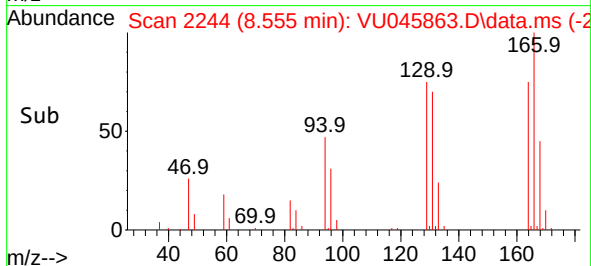
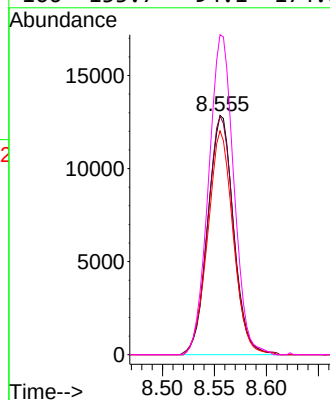
Ion Ratio Lower Upper

164 100

129 99.8 71.8 133.4

131 93.5 68.5 127.3

166 133.7 94.1 174.8



#49

Dibromochloromethane

Concen: 3.723 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU045863.D

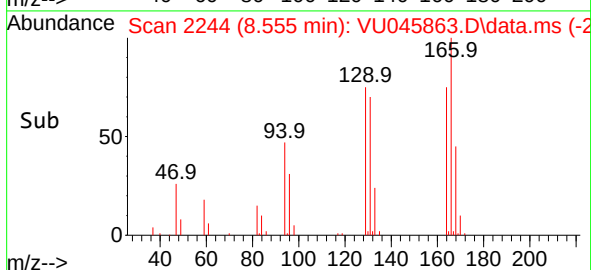
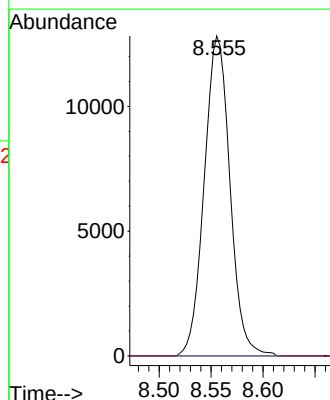
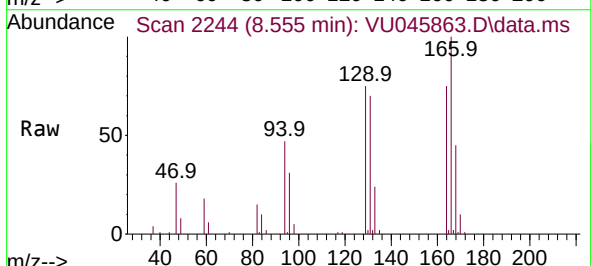
Acq: 18 Nov 2021 13:07

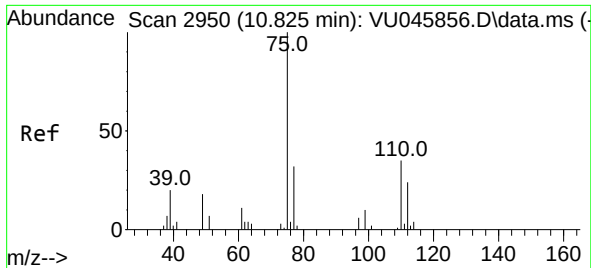
Tgt Ion:129 Resp: 22068

Ion Ratio Lower Upper

129 100

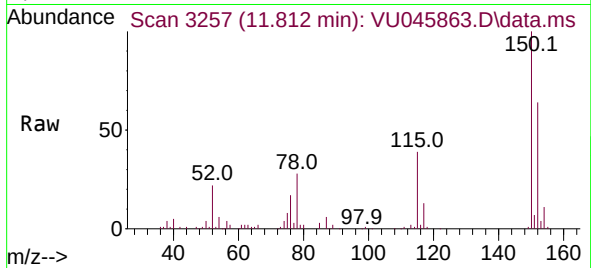
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.200 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU045863.D
 Acq: 18 Nov 2021 13:07

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 5365
 Ion Ratio Lower Upper
 75 100
 110 1.7 29.9 44.9#
 77 31.2 25.5 38.3

