

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046305.D
 Acq On : 13 Dec 2021 11:23
 Operator : SY/MD
 Sample : M4983-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 02:33:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 13 13:51:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	147014	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	153918	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	76993	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	65766	54.306	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.620%
7) Chloroethane-d5	1.919	69	48697	52.373	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.740%
11) 1,1-Dichloroethene-d2	2.575	63	88705	40.802	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.600%
21) 2-Butanone-d5	4.649	46	90902	94.423	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.420%
24) Chloroform-d	5.070	84	95051	47.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	5.706	65	69403	51.136	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.280%
32) Benzene-d6	5.732	84	213041	48.292	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.580%
36) 1,2-Dichloropropane-d6	6.697	67	65794	48.122	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.240%
41) Toluene-d8	7.902	98	183310	45.637	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.280%
43) trans-1,3-Dichloroprop...	8.182	79	30458	46.148	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.300%
47) 2-Hexanone-d5	8.639	63	62289	96.088	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.090%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	101033	48.727	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.460%
66) 1,2-Dichlorobenzene-d4	12.195	152	70451	47.514	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.020%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	703	0.657	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	5687	5.595	ug/L #	1
17) trans-1,2-Dichloroethene	3.362	96	771	0.717	ug/L	87
19) 1,1-Dichloroethane	3.877	63	32568	16.651	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	11220	9.612	ug/L	99
25) Chloroform	5.092	83	12029	5.535	ug/L	92
27) 1,2-Dichloroethane	5.726	62	1221	0.757	ug/L #	73
30) 1,1,1-Trichloroethane	5.324	97	277674	146.968	ug/L	98
31) Carbon tetrachloride	5.324	117	34637	21.594	ug/L	97
34) Trichloroethene	6.546	95	23232	18.930	ug/L	92
35) Methylcyclohexane	6.697	83	16023	8.420	ug/L #	20
37) 1,2-Dichloropropane	6.697	63	7250	5.941	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	1951	1.051	ug/L #	59
44) trans-1,3-Dichloropropene	8.182	75	1363	0.748	ug/L #	77
46) Tetrachloroethene	8.558	164	26266	29.124	ug/L	95
49) Dibromochloromethane	8.558	129	25919	20.160	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	9682	5.737	ug/L #	66

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Quant Title : VOC Analysis
QLast Update : Mon Dec 13 13:51:57 2021
Response via : Initial Calibration

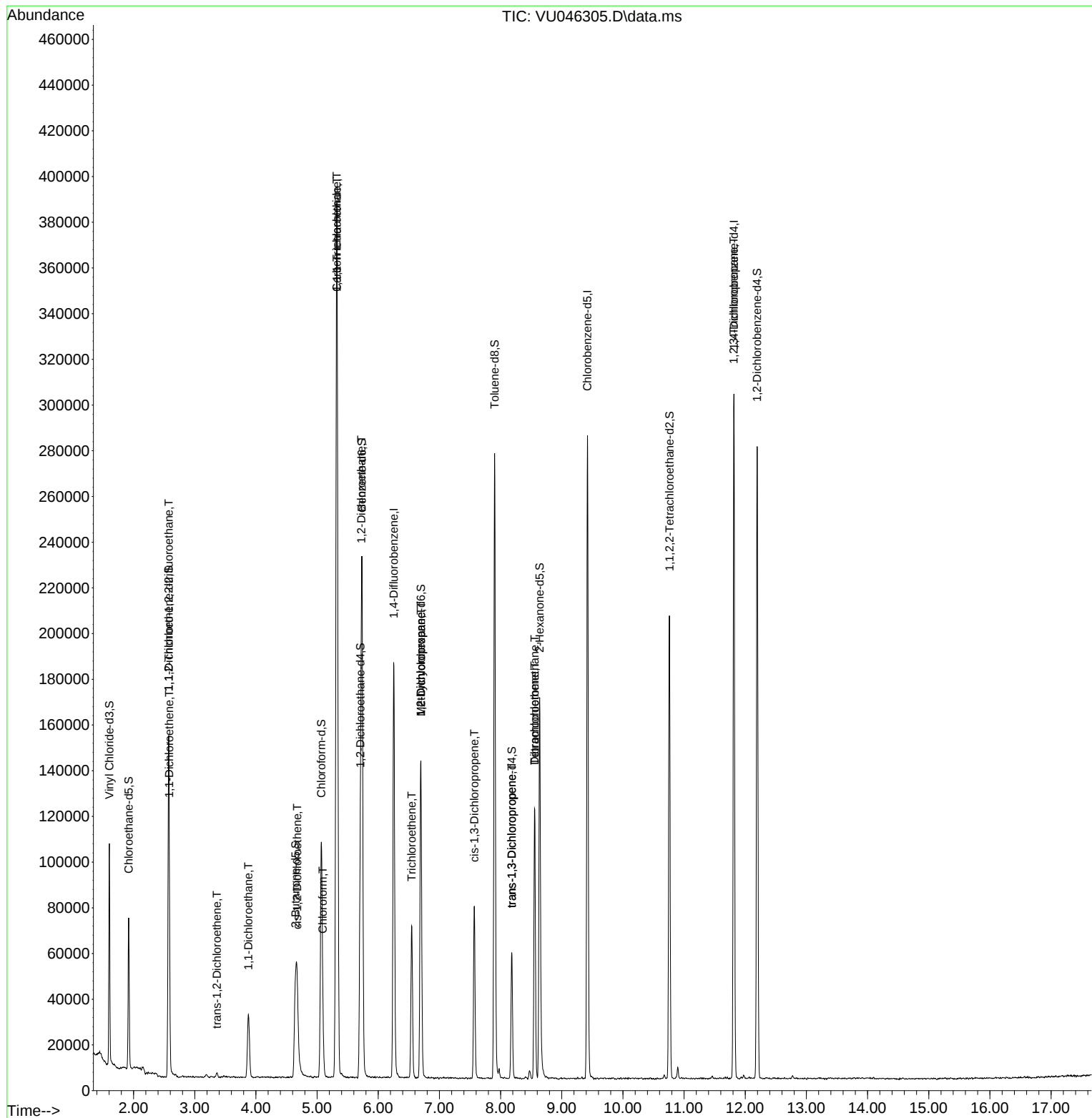
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

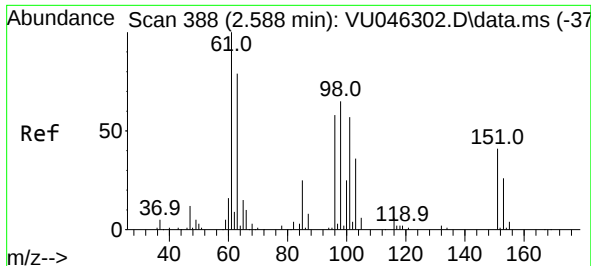
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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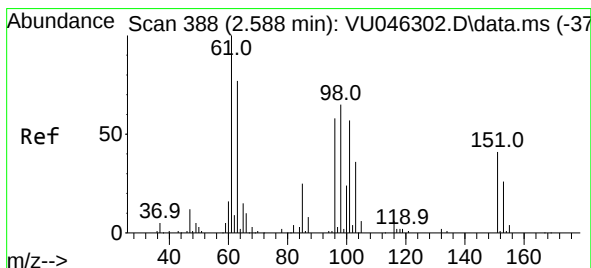
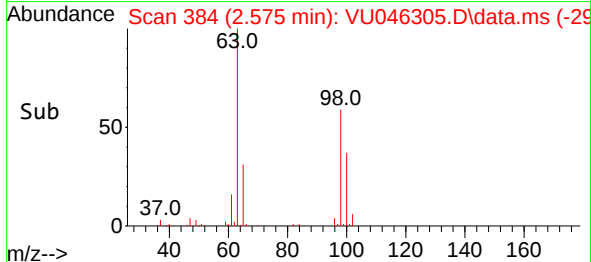
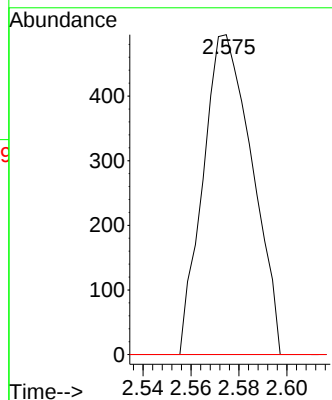
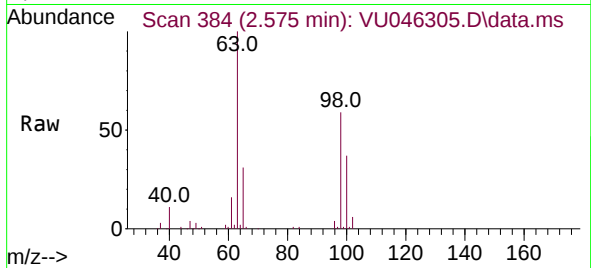




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.657 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046305.D
 Acq: 13 Dec 2021 11:23

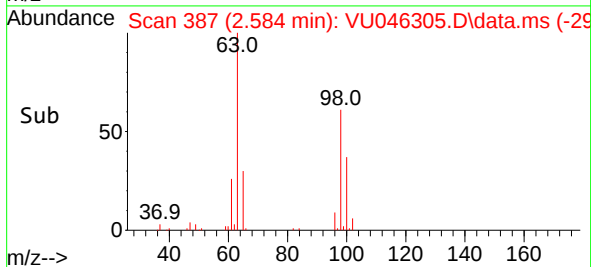
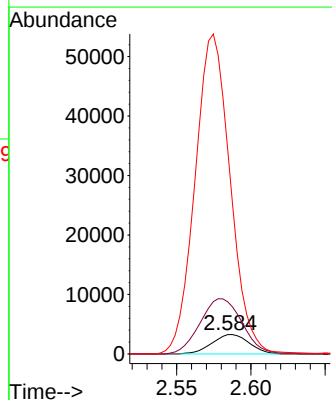
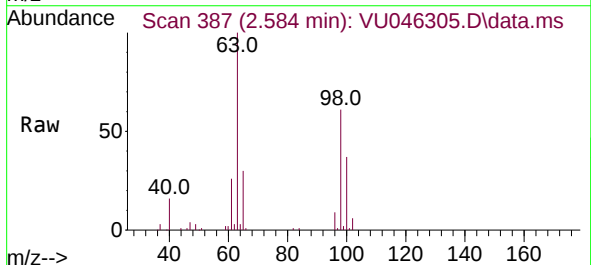
Instrument :
 MSVOA_W
 ClientSampleId :

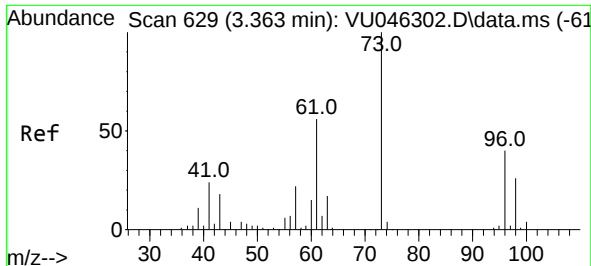
Tgt Ion:101 Resp: 703
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 5.595 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU046305.D
 Acq: 13 Dec 2021 11:23

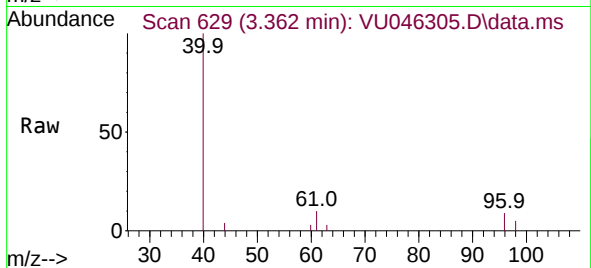
Tgt Ion: 96 Resp: 5687
 Ion Ratio Lower Upper
 96 100
 61 269.0 118.6 220.2#
 63 1052.7 93.0 172.8#





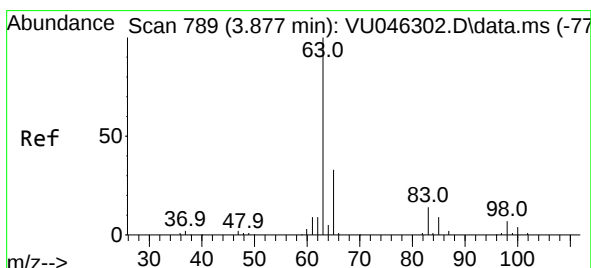
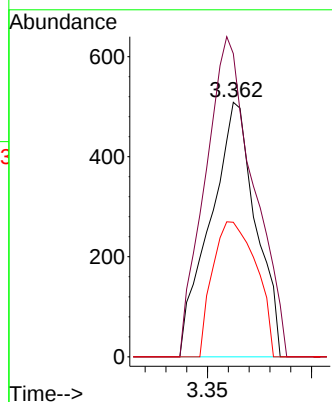
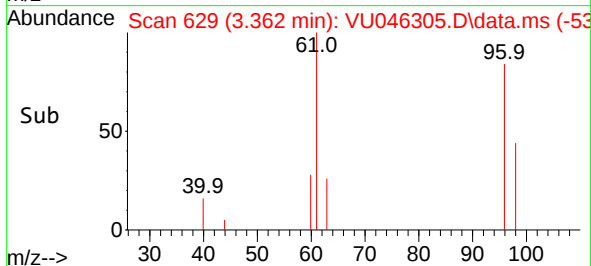
#17
trans-1,2-Dichloroethene
Concen: 0.717 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU046305.D
Acq: 13 Dec 2021 11:23

Instrument :
MSVOA_W
ClientSampleId :

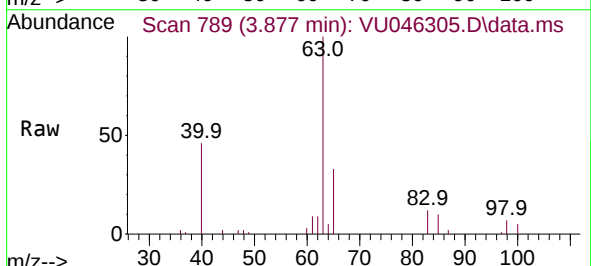


Tgt Ion: 96 Resp: 771

Ion	Ratio	Lower	Upper
96	100		
61	119.1	94.6	175.6
98	52.8	44.0	81.8

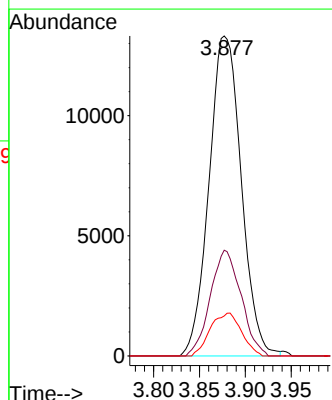
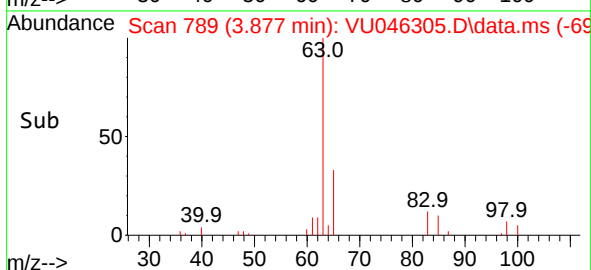


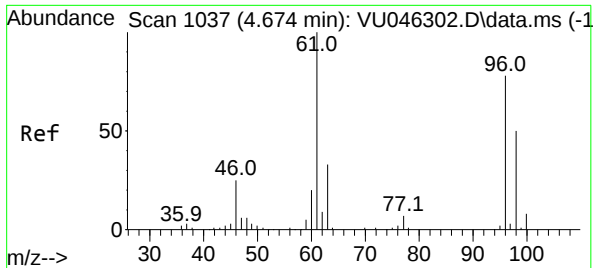
#19
1,1-Dichloroethane
Concen: 16.651 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU046305.D
Acq: 13 Dec 2021 11:23



Tgt Ion: 63 Resp: 32568

Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.8	42.4
83	12.5	9.6	17.8

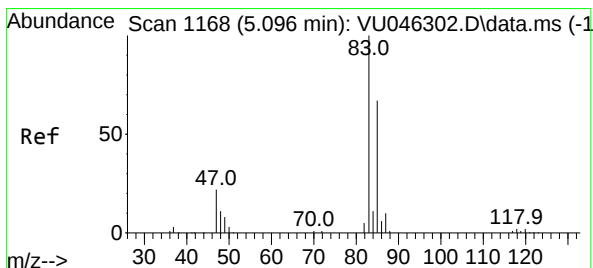
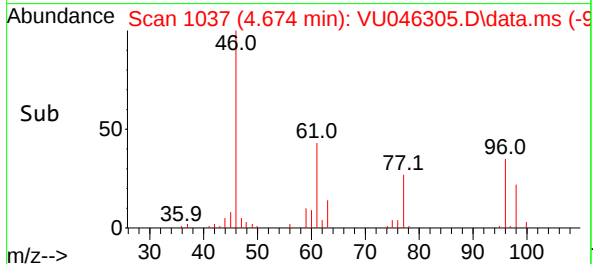
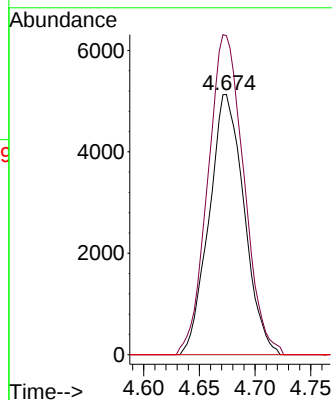
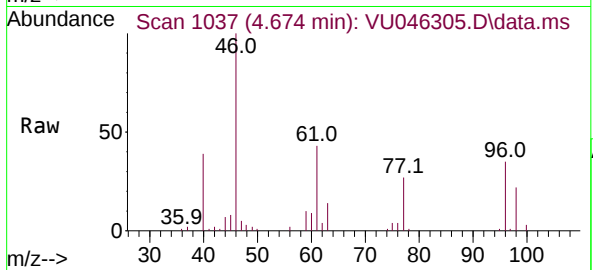




#20
cis-1,2-Dichloroethene
Concen: 9.612 ug/L
RT: 4.674 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU046305.D
Acq: 13 Dec 2021 11:23

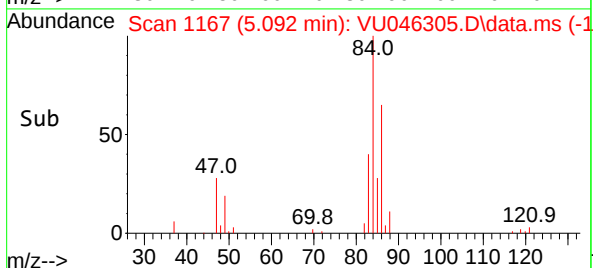
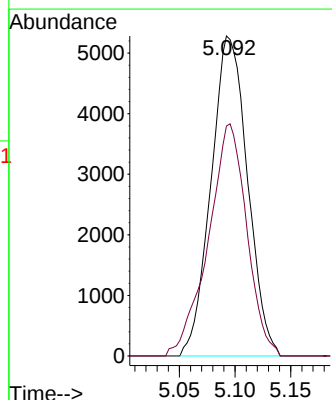
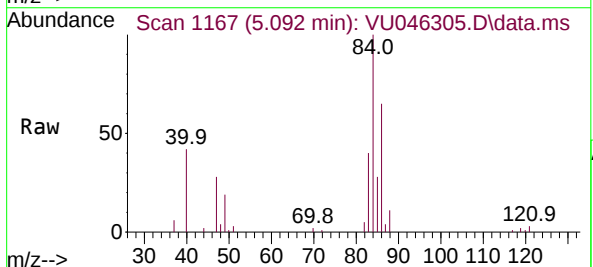
Instrument :
MSVOA_W
ClientSampleId :

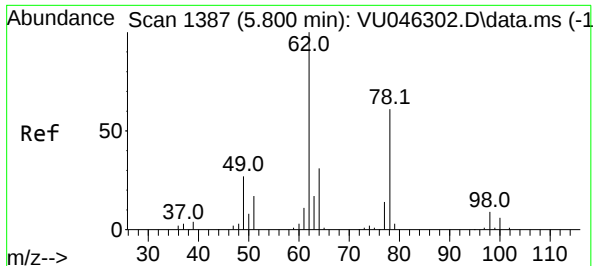
Tgt Ion: 96 Resp: 11220
Ion Ratio Lower Upper
96 100
61 122.7 86.8 161.2
68 0.0 0.0 0.0



#25
Chloroform
Concen: 5.535 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU046305.D
Acq: 13 Dec 2021 11:23

Tgt Ion: 83 Resp: 12029
Ion Ratio Lower Upper
83 100
85 71.9 45.8 85.2





#27

1,2-Dichloroethane

Concen: 0.757 ug/L

RT: 5.726 min Scan# 11

Delta R.T. -0.074 min

Lab File: VU046305.D

Acq: 13 Dec 2021 11:23

Instrument :

MSVOA_W

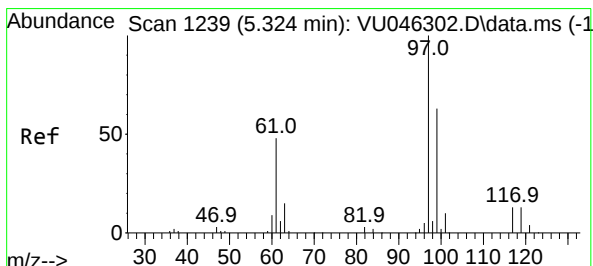
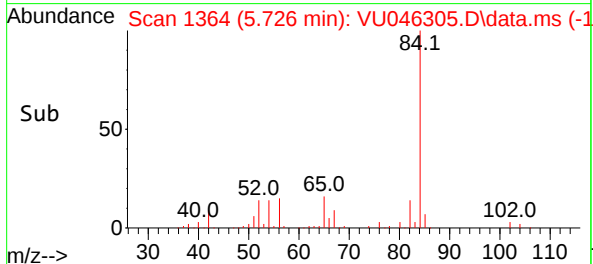
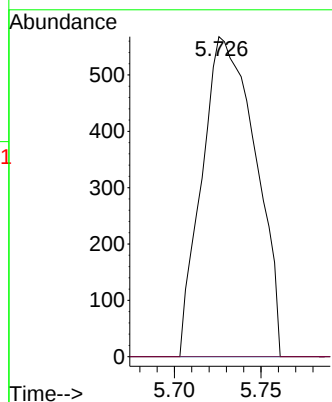
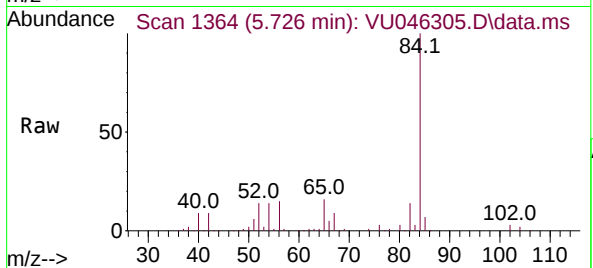
ClientSampleId :

Tgt Ion: 62 Resp: 1221

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#30

1,1,1-Trichloroethane

Concen: 146.968 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VU046305.D

Acq: 13 Dec 2021 11:23

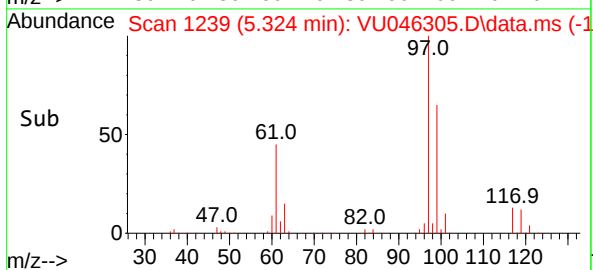
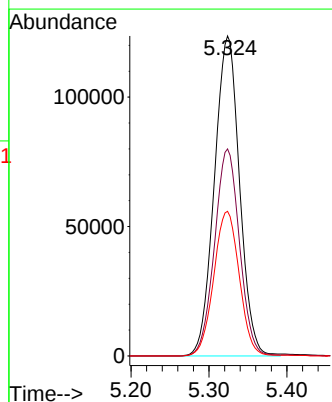
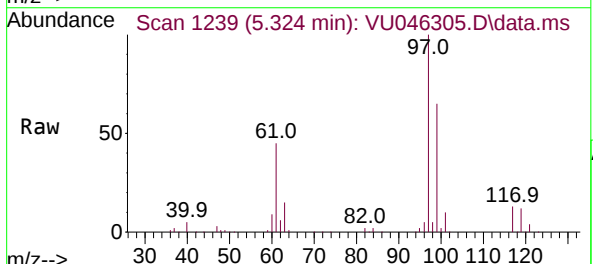
Tgt Ion: 97 Resp: 277674

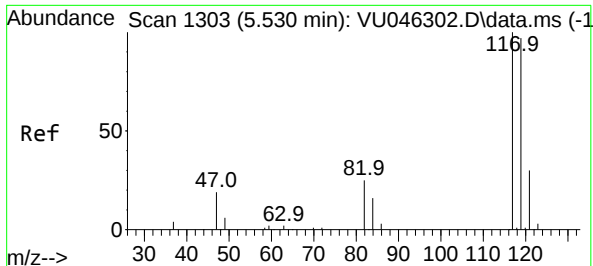
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 45.9 34.4 51.6

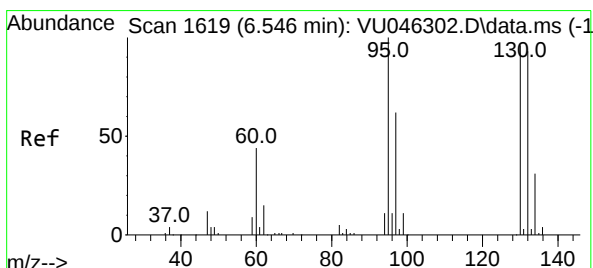
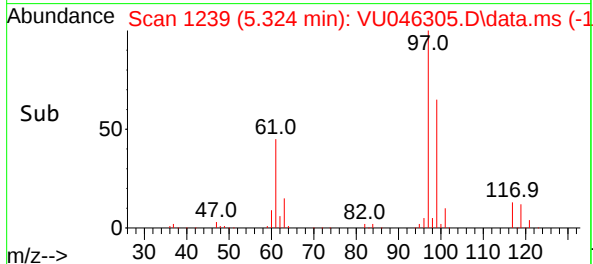
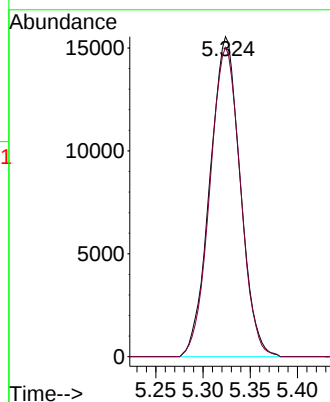
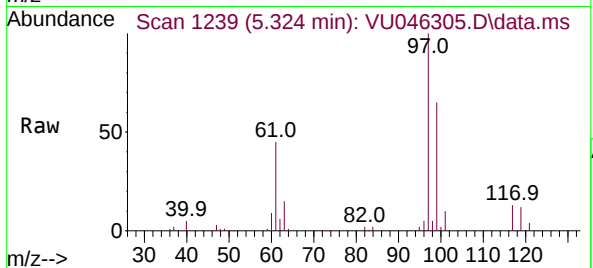




#31
Carbon tetrachloride
Concen: 21.594 ug/L
RT: 5.324 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU046305.D
Acq: 13 Dec 2021 11:23

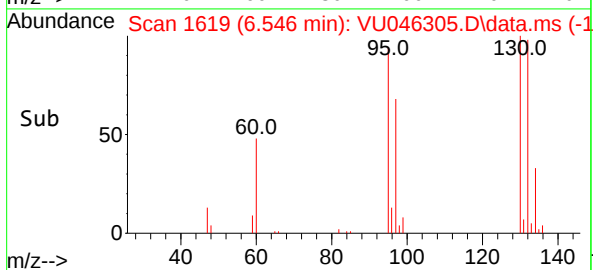
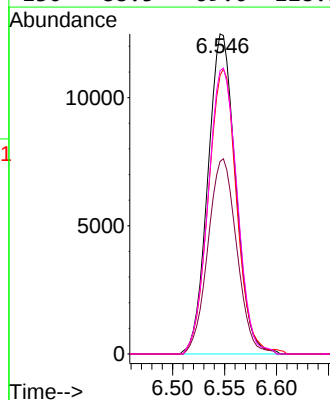
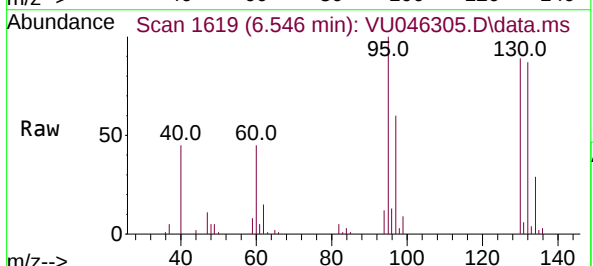
Instrument :
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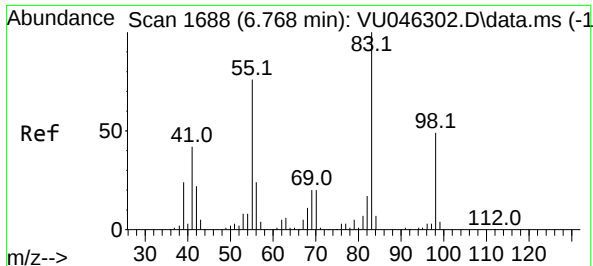
Tgt Ion:117 Resp: 34637
Ion Ratio Lower Upper
117 100
119 97.1 75.7 113.5



#34
Trichloroethene
Concen: 18.930 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046305.D
Acq: 13 Dec 2021 11:23

Tgt Ion: 95 Resp: 23232
Ion Ratio Lower Upper
95 100
97 60.2 44.1 81.9
132 87.1 66.8 124.0
130 88.5 69.0 128.1





#35

Methylcyclohexane

Concen: 8.420 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.071 min

Lab File: VU046305.D

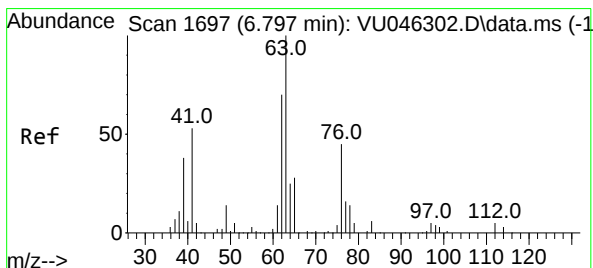
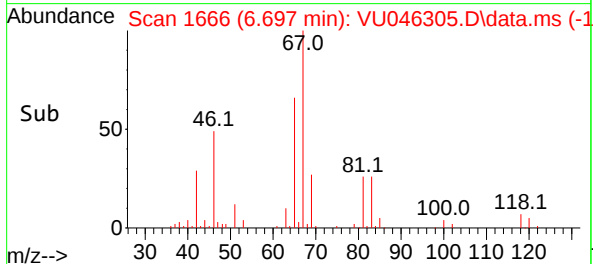
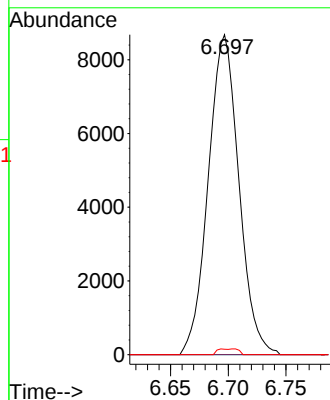
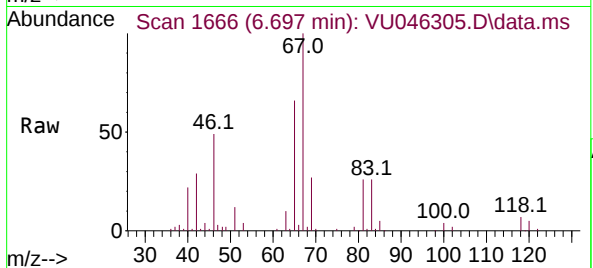
Acq: 13 Dec 2021 11:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp: 16023
Ion Ratio	Lower Upper
83	100
55	0.0 57.8 86.6#
98	0.7 38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.941 ug/L

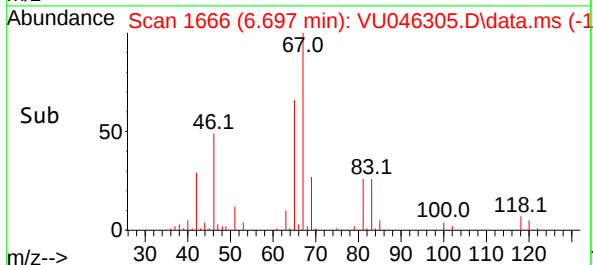
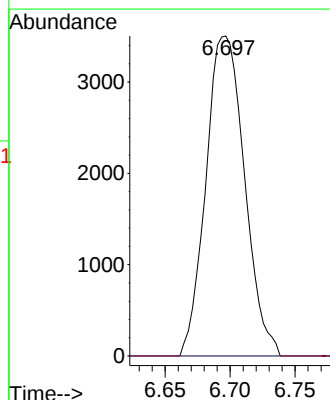
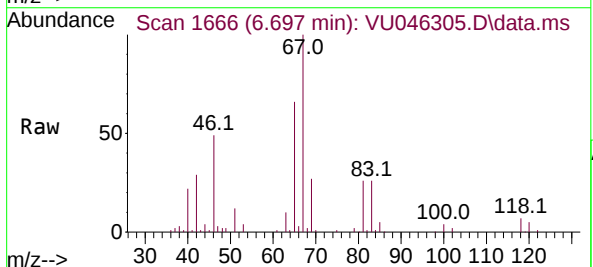
RT: 6.697 min Scan# 1666

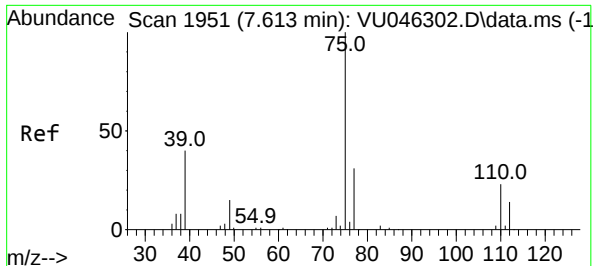
Delta R.T. -0.100 min

Lab File: VU046305.D

Acq: 13 Dec 2021 11:23

Tgt Ion: 63	Resp: 7250
Ion Ratio	Lower Upper
63	100
112	0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.051 ug/L

RT: 7.571 min Scan# 1951

Delta R.T. -0.042 min

Lab File: VU046305.D

Acq: 13 Dec 2021 11:23

Instrument :

MSVOA_W

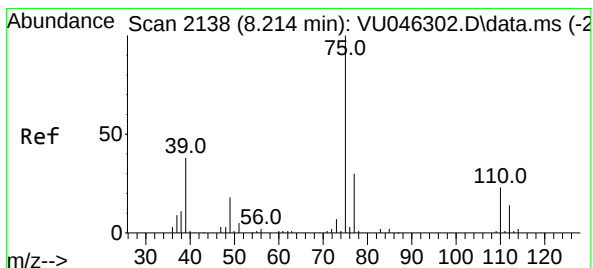
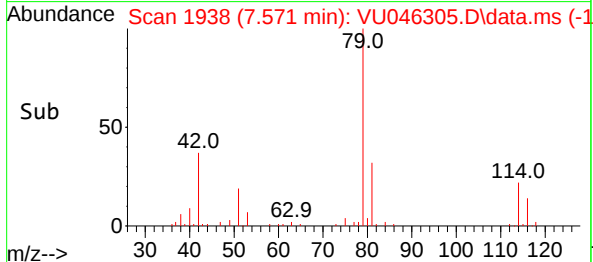
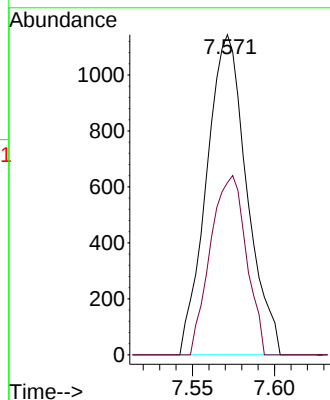
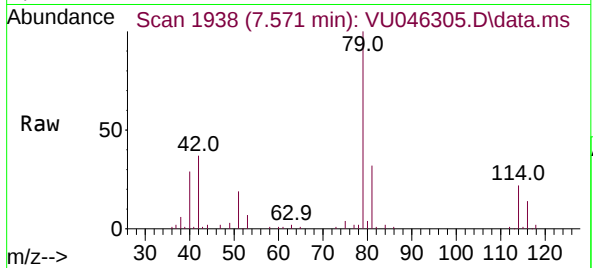
ClientSampleId :

Tgt Ion: 75 Resp: 1951

Ion Ratio Lower Upper

75 100

77 53.8 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.748 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046305.D

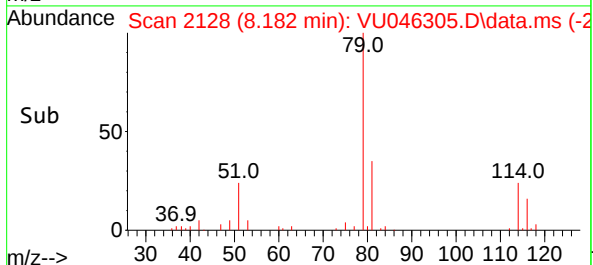
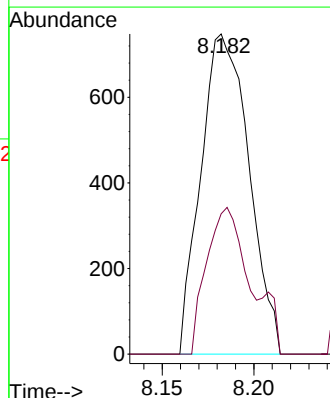
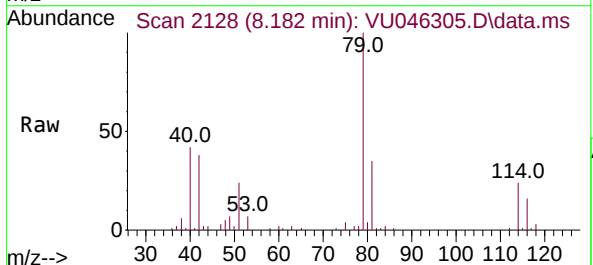
Acq: 13 Dec 2021 11:23

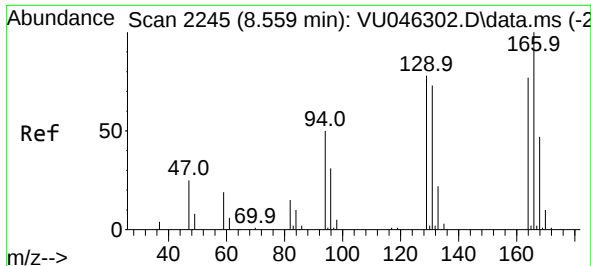
Tgt Ion: 75 Resp: 1363

Ion Ratio Lower Upper

75 100

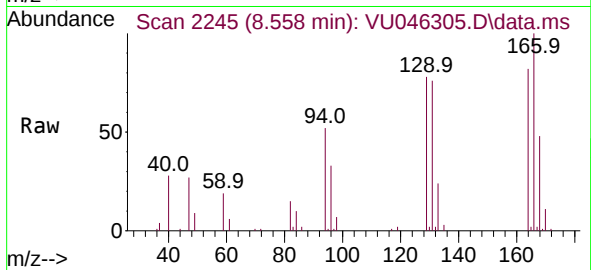
77 43.9 21.7 40.3#



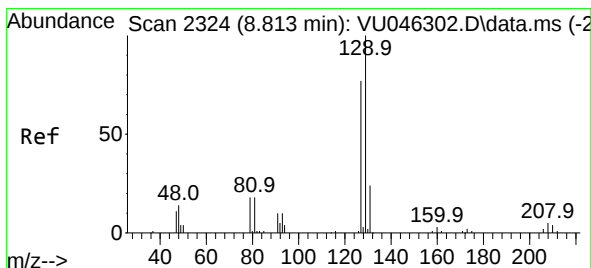
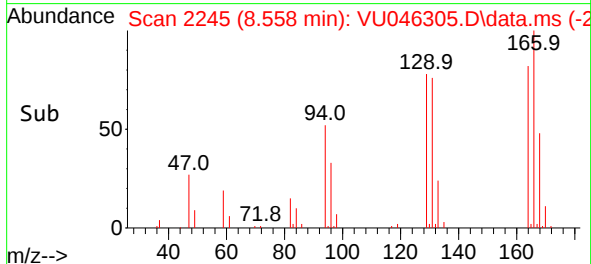
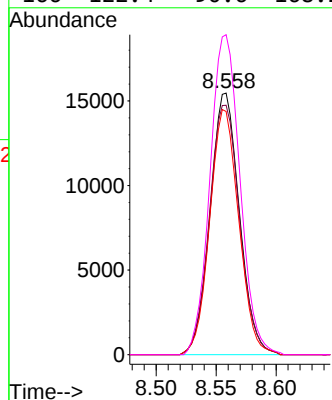


#46
Tetrachloroethene
Concen: 29.124 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU046305.D
Acq: 13 Dec 2021 11:23

Instrument :
MSVOA_W
ClientSampleId :

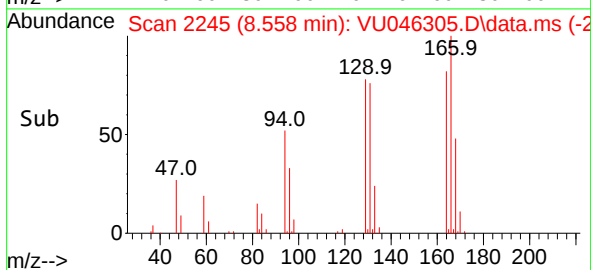
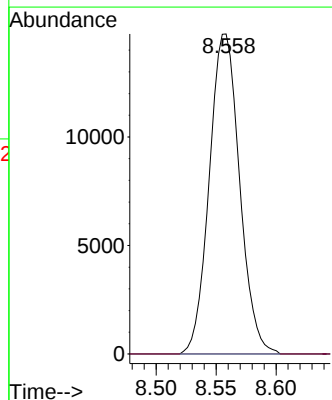
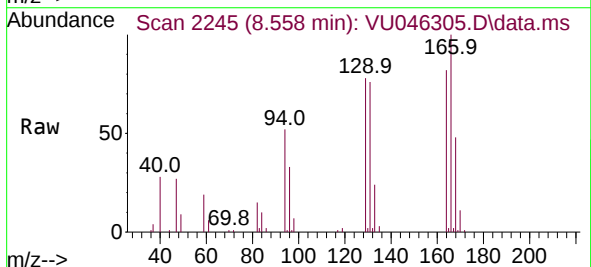


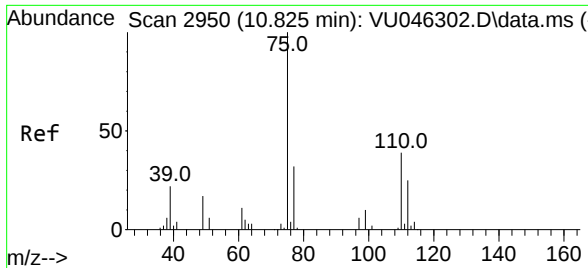
Tgt Ion:	164	Resp:	26266
Ion	Ratio	Lower	Upper
164	100		
129	95.4	71.1	132.1
131	93.0	67.8	126.0
166	122.4	90.6	168.2



#49
Dibromochloromethane
Concen: 20.160 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU046305.D
Acq: 13 Dec 2021 11:23

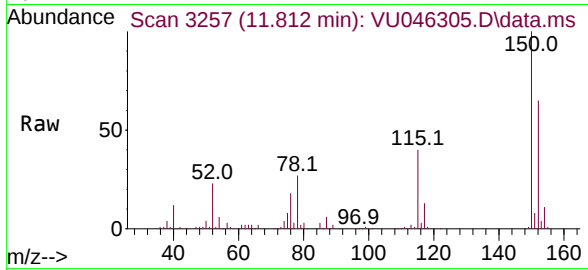
Tgt Ion:	129	Resp:	25919
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.6	103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.737 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046305.D
 Acq: 13 Dec 2021 11:23

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	75	Resp:	9682
Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.4	39.6
110	2.1	32.4	48.6#

