

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092122\
 Data File : VU050886.D
 Acq On : 21 Sep 2022 19:34
 Operator : JC/MD
 Sample : N4650-21DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ38DL

Quant Time: Sep 22 02:16:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 22 02:11:06 2022
 Response via : Initial Calibration

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

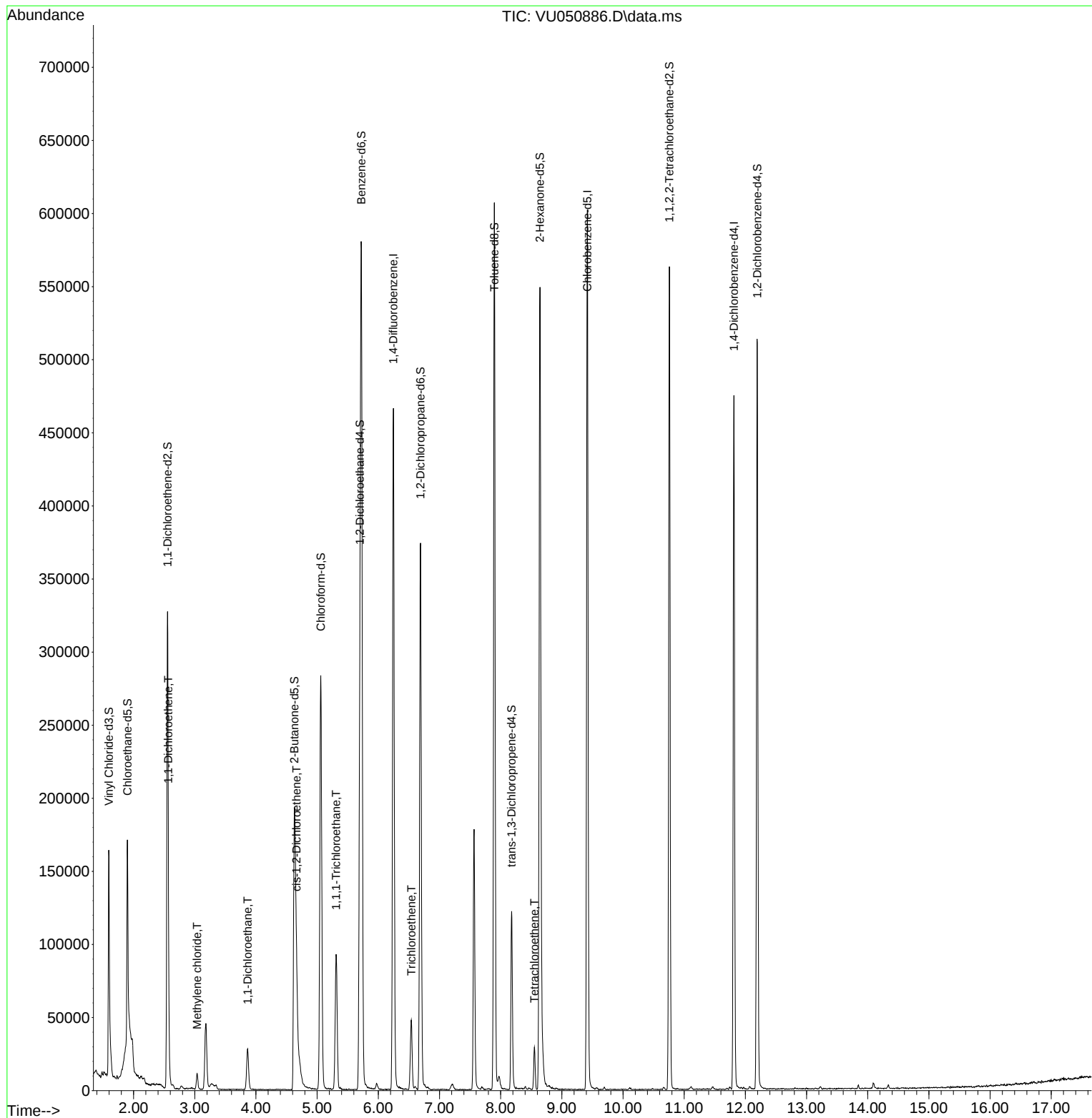
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	363919	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	330602	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	122188	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	140965	37.387	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.780%		
7) Chloroethane-d5	1.900	69	101290	37.720	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.440%		
11) 1,1-Dichloroethene-d2	2.555	63	191612	32.660	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.320%		
21) 2-Butanone-d5	4.629	46	323780	133.013	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	133.010%#		
24) Chloroform-d	5.060	84	267863	45.333	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.660%		
26) 1,2-Dichloroethane-d4	5.700	65	172783	47.449	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.900%		
32) Benzene-d6	5.723	84	522644	47.996	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.000%		
36) 1,2-Dichloropropane-d6	6.690	67	185594	50.493	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.980%		
41) Toluene-d8	7.896	98	400977	42.126	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.260%		
43) trans-1,3-Dichloroprop...	8.179	79	68807	43.031	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.060%		
47) 2-Hexanone-d5	8.642	63	192213	126.896	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	126.900%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	286827	51.183	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.360%		
66) 1,2-Dichlorobenzene-d4	12.195	152	130069	50.842	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.680%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.568	96	15170	5.422	ug/L #	1
16) Methylene chloride	3.038	84	5089	1.310	ug/L	96
19) 1,1-Dichloroethane	3.864	63	32076	5.536	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	18321	5.762	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	65548	14.903	ug/L	98
34) Trichloroethene	6.539	95	14116	4.995	ug/L	95
46) Tetrachloroethene	8.552	164	6723	3.310	ug/L	98

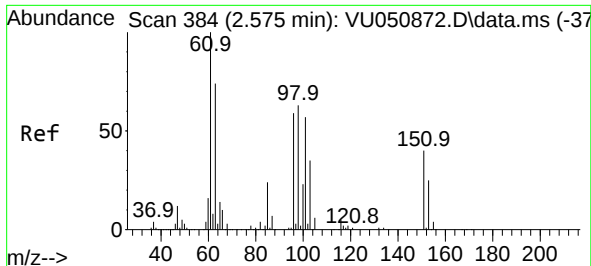
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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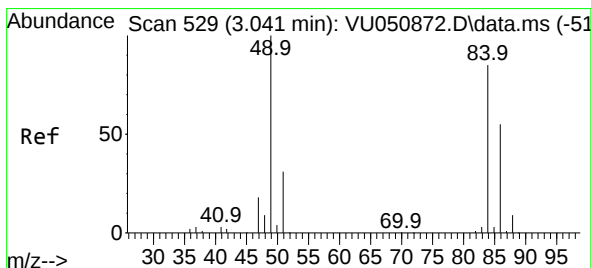
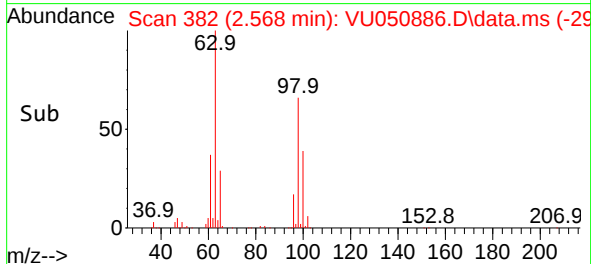
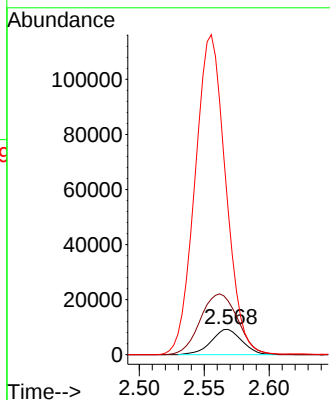
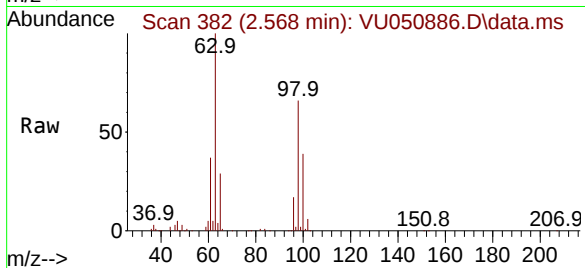




#12
1,1-Dichloroethene
Concen: 5.422 ug/L
RT: 2.568 min Scan# 384
Delta R.T. -0.006 min
Lab File: VU050886.D
Acq: 21 Sep 2022 19:34

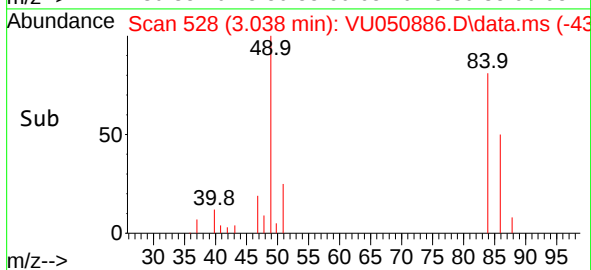
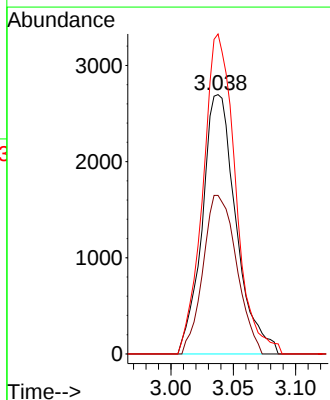
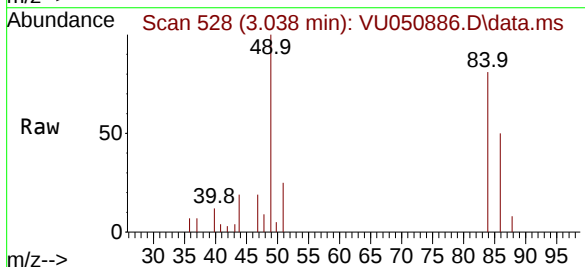
Instrument :
MSVOA_U
ClientSampleId :
EXZ38DL

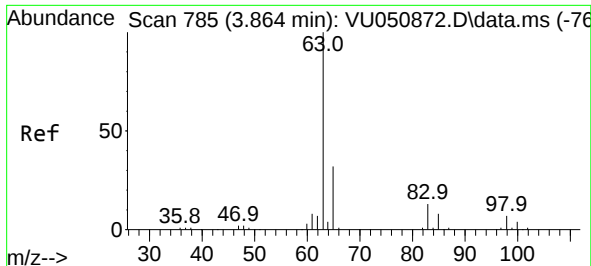
Tgt Ion: 96 Resp: 15170
Ion Ratio Lower Upper
96 100
61 211.9 118.6 220.2
63 571.8 90.4 168.0#



#16
Methylene chloride
Concen: 1.310 ug/L
RT: 3.038 min Scan# 528
Delta R.T. -0.003 min
Lab File: VU050886.D
Acq: 21 Sep 2022 19:34

Tgt Ion: 84 Resp: 5089
Ion Ratio Lower Upper
84 100
86 61.1 44.4 82.5
49 123.4 83.3 154.7

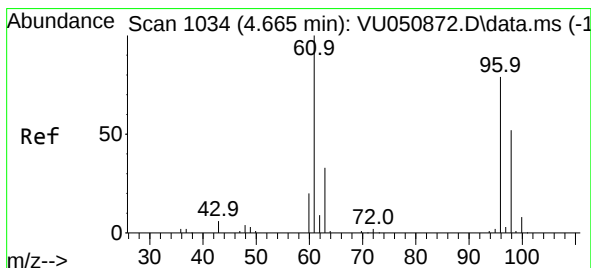
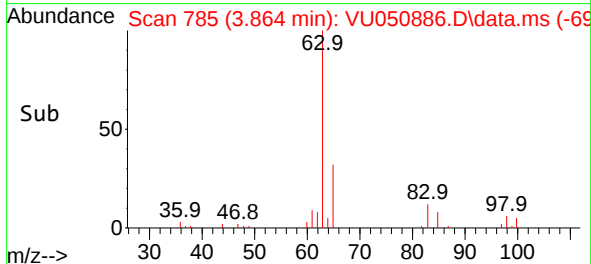
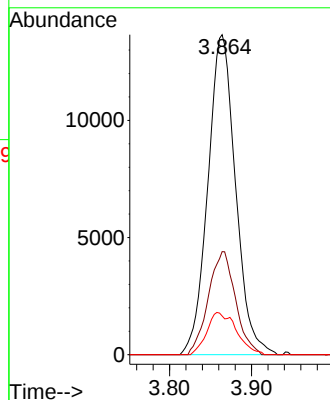
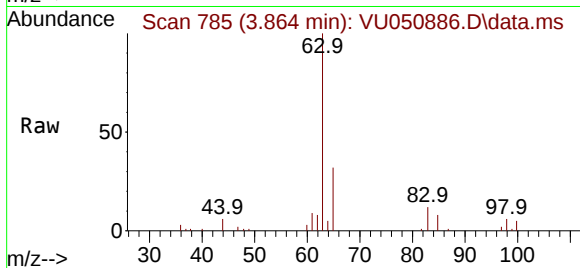




#19
1,1-Dichloroethane
Concen: 5.536 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU050886.D
Acq: 21 Sep 2022 19:34

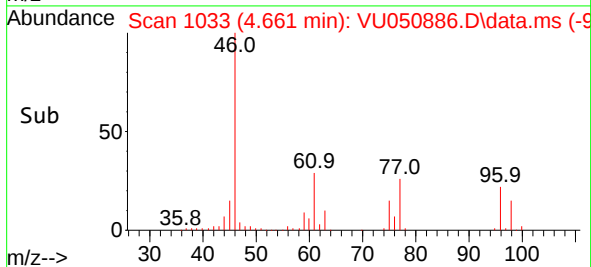
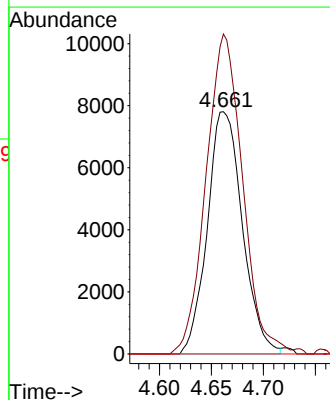
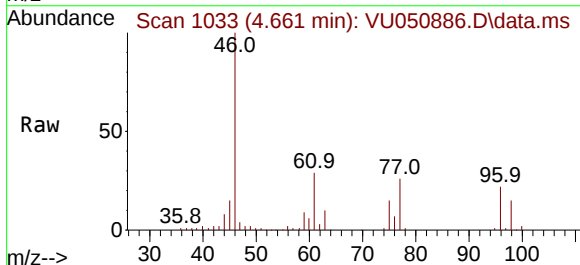
Instrument :
MSVOA_U
ClientSampleId :
EXZ38DL

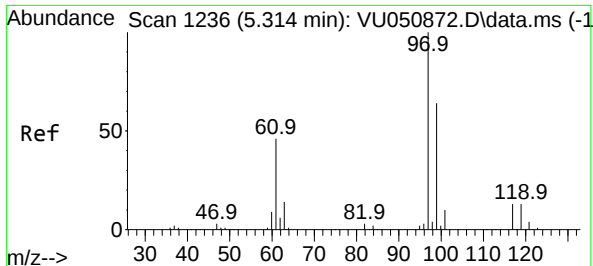
Tgt Ion: 63 Resp: 32076
Ion Ratio Lower Upper
63 100
65 32.2 21.5 39.9
83 12.1 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 5.762 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU050886.D
Acq: 21 Sep 2022 19:34

Tgt Ion: 96 Resp: 18321
Ion Ratio Lower Upper
96 100
61 132.1 90.1 167.3
68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 14.903 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050886.D

Acq: 21 Sep 2022 19:34

Instrument :

MSVOA_U

ClientSampleId :

EXZ38DL

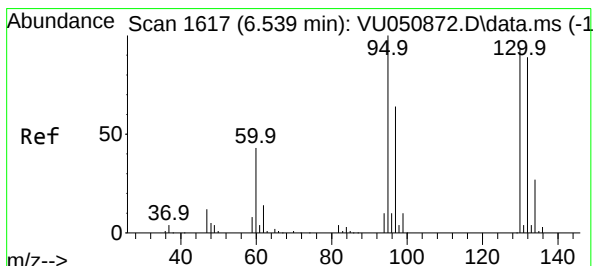
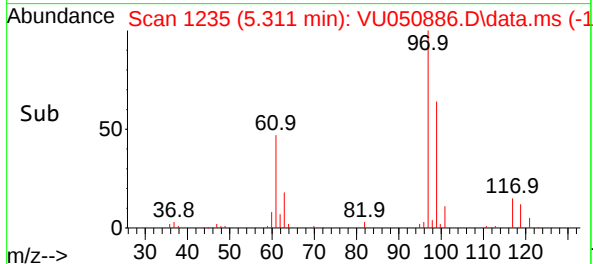
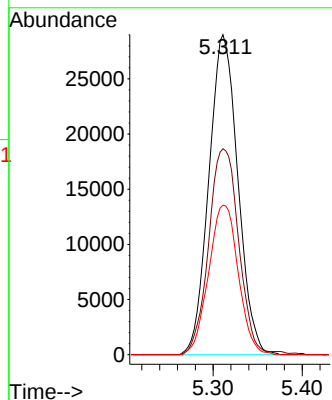
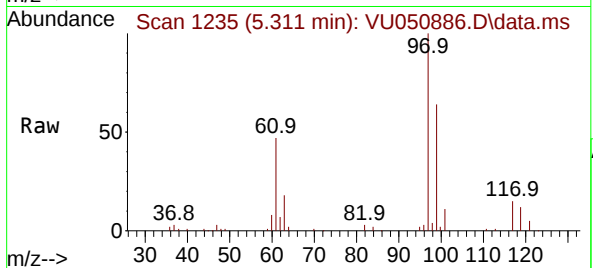
Tgt Ion: 97 Resp: 65548

Ion Ratio Lower Upper

97 100

99 66.5 52.2 78.2

61 47.8 37.1 55.7



#34

Trichloroethene

Concen: 4.995 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU050886.D

Acq: 21 Sep 2022 19:34

Tgt Ion: 95 Resp: 14116

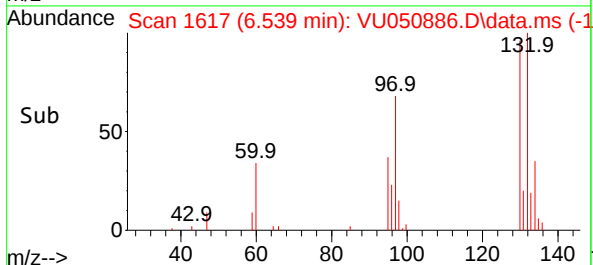
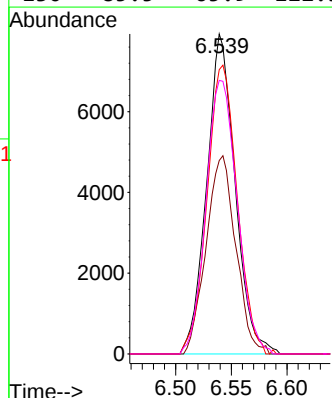
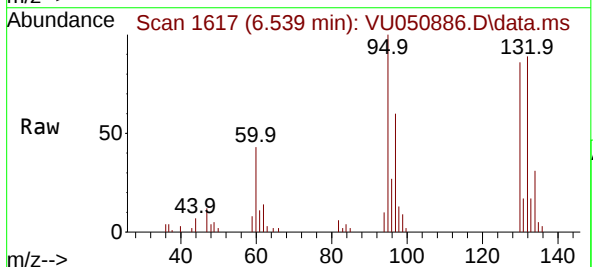
Ion Ratio Lower Upper

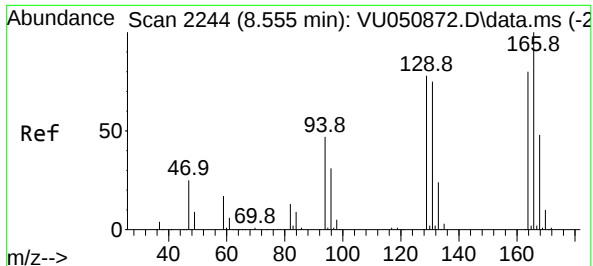
95 100

97 60.5 43.9 81.5

132 88.9 63.1 117.1

130 85.5 65.9 122.3





#46
Tetrachloroethene
Concen: 3.310 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050886.D
Acq: 21 Sep 2022 19:34

Instrument :
MSVOA_U
ClientSampleId :
EXZ38DL

Tgt Ion:164 Resp: 6723

Ion	Ratio	Lower	Upper
164	100		
129	96.1	68.5	127.3
131	91.4	66.1	122.7
166	126.3	88.8	164.8

