

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012723\
 Data File : VU052842.D
 Acq On : 27 Jan 2023 13:27
 Operator : JC/MD
 Sample : 01295-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0LC6

Quant Time: Jan 27 22:22:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

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

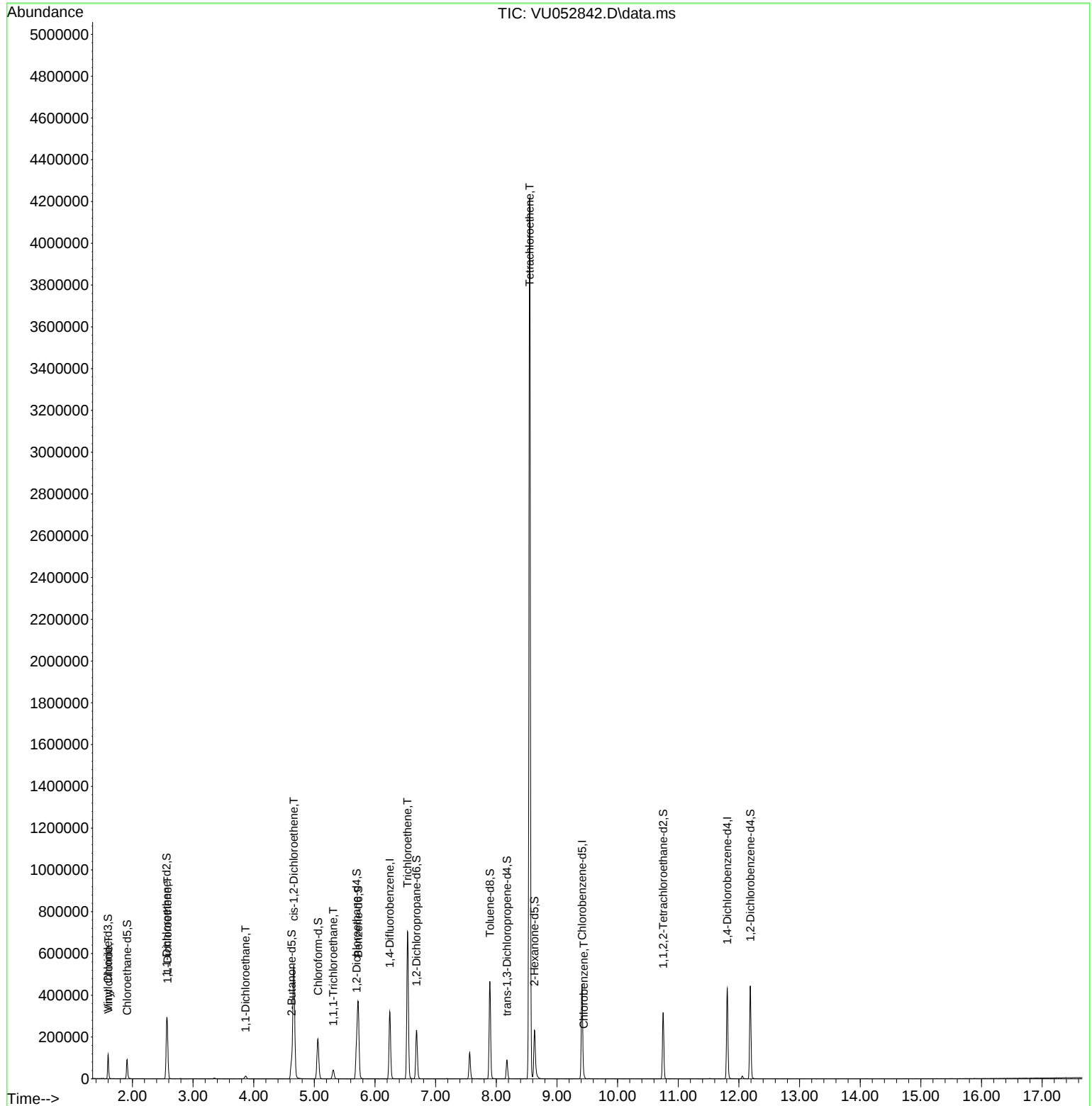
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	266682	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	261436	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	122580	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	76495	39.852	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.700%		
7) Chloroethane-d5	1.912	69	69137	43.714	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.420%		
11) 1,1-Dichloroethene-d2	2.565	63	148088	38.789	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.580%		
21) 2-Butanone-d5	4.623	46	109377	92.243	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.240%		
24) Chloroform-d	5.060	84	181391	44.280	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.560%		
26) 1,2-Dichloroethane-d4	5.697	65	120756	46.167	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.340%		
32) Benzene-d6	5.722	84	356474	44.630	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.260%		
36) 1,2-Dichloropropane-d6	6.684	67	106824	45.601	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.200%		
41) Toluene-d8	7.893	98	312031	42.902	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.800%		
43) trans-1,3-Dichloroprop...	8.176	79	51809	44.126	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.260%		
47) 2-Hexanone-d5	8.629	63	77762	94.474	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.470%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	147006	42.474	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.940%		
66) 1,2-Dichlorobenzene-d4	12.188	152	121365	50.990	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.980%		
Target Compounds						
5) Vinyl chloride	1.604	62	8235	3.614	ug/L #	79
12) 1,1-Dichloroethene	2.578	96	51000	25.851	ug/L #	78
19) 1,1-Dichloroethane	3.864	63	14976	4.005	ug/L	96
20) cis-1,2-Dichloroethene	4.661	96	294315	129.298	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	31460	8.181	ug/L	98
34) Trichloroethene	6.536	95	235340	104.043	ug/L	94
46) Tetrachloroethene	8.549	164	954457	490.037	ug/L	99
51) Chlorobenzene	9.443	112	7561	1.205	ug/L	94

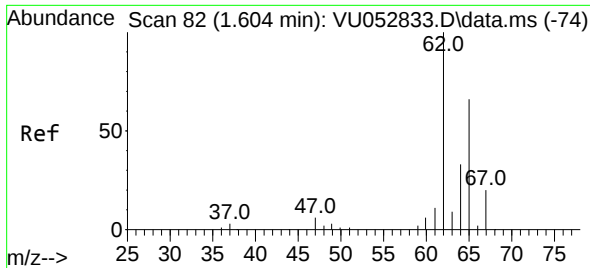
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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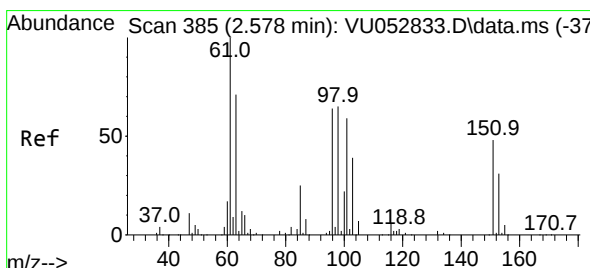
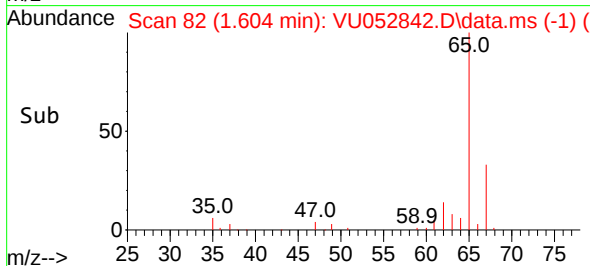
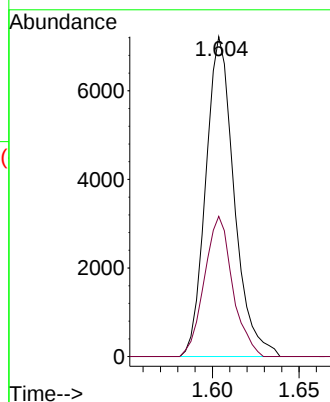
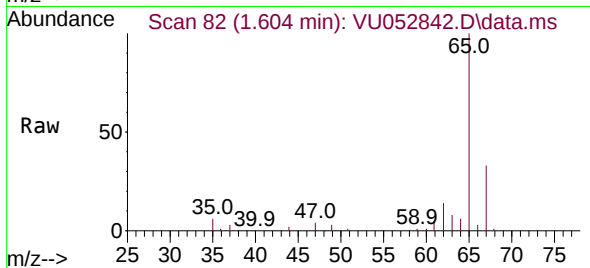




#5
 Vinyl chloride
 Concen: 3.614 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052842.D
 Acq: 27 Jan 2023 13:27

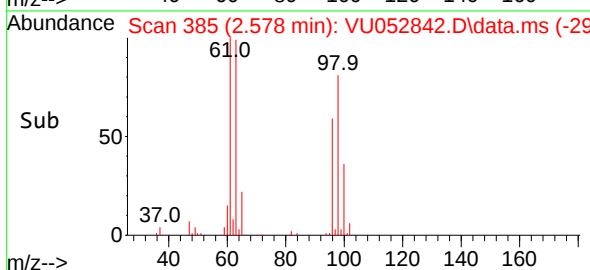
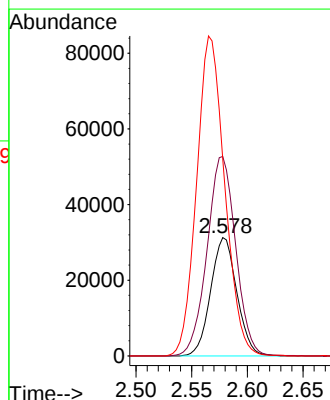
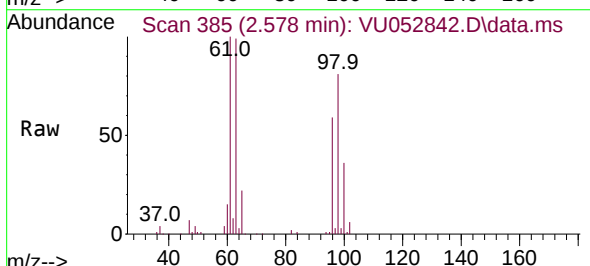
Instrument :
 MSVOA_U
 ClientSampleId :
 C0LC6

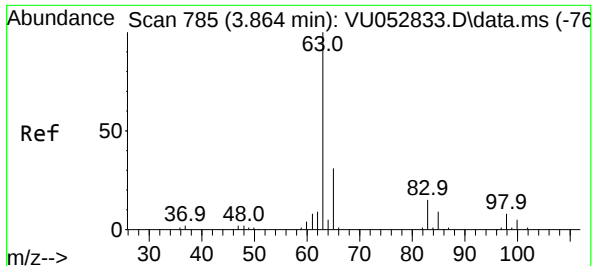
Tgt Ion: 62 Resp: 8235
 Ion Ratio Lower Upper
 62 100
 64 43.8 22.4 41.6#



#12
 1,1-Dichloroethene
 Concen: 25.851 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052842.D
 Acq: 27 Jan 2023 13:27

Tgt Ion: 96 Resp: 51000
 Ion Ratio Lower Upper
 96 100
 61 168.6 114.3 212.3
 63 166.2 80.6 149.6#





#19

1,1-Dichloroethane

Concen: 4.005 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU052842.D

Acq: 27 Jan 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

C0LC6

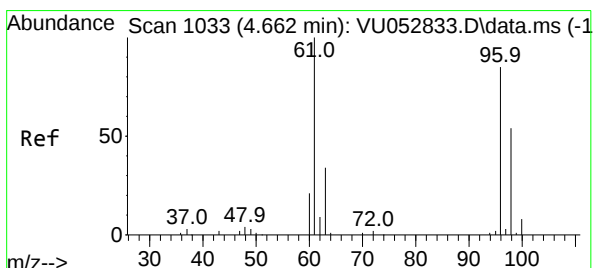
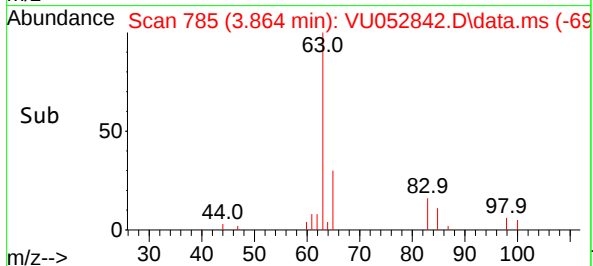
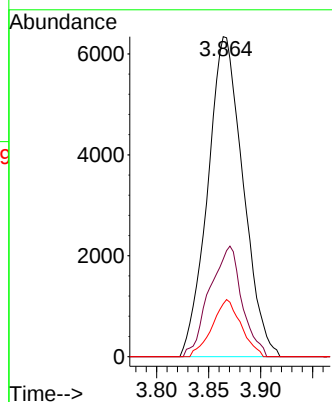
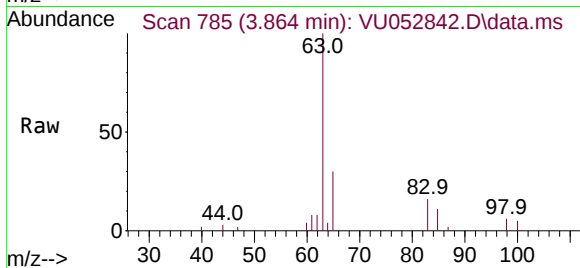
Tgt Ion: 63 Resp: 14976

Ion Ratio Lower Upper

63 100

65 30.5 22.4 41.6

83 16.5 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 129.298 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052842.D

Acq: 27 Jan 2023 13:27

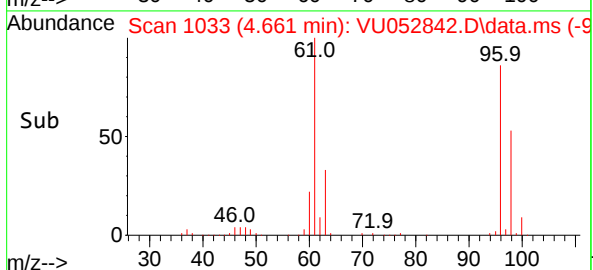
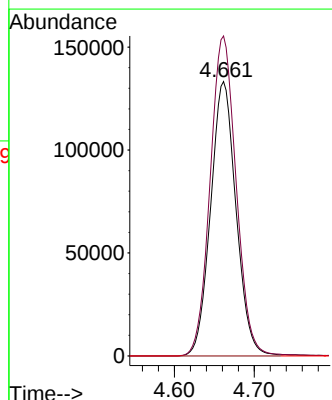
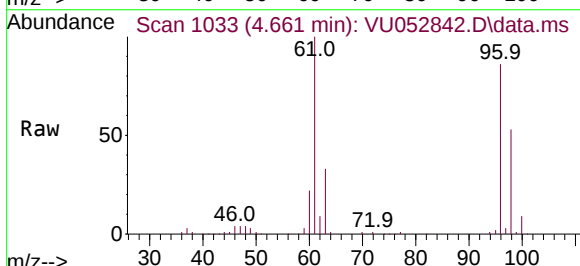
Tgt Ion: 96 Resp: 294315

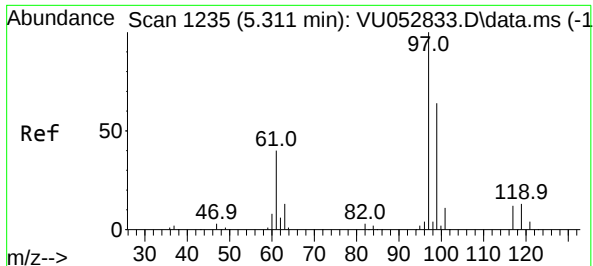
Ion Ratio Lower Upper

96 100

61 116.7 84.1 156.1

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 8.181 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU052842.D

Acq: 27 Jan 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

C0LC6

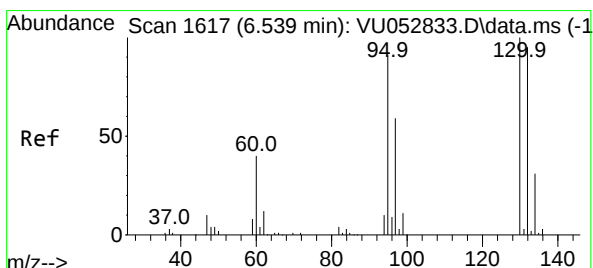
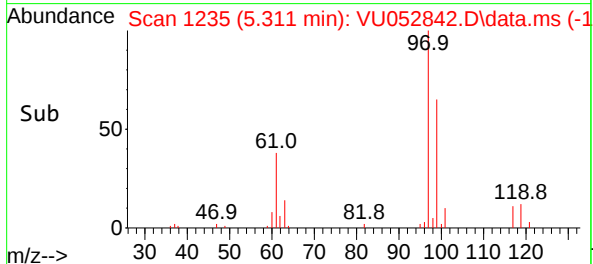
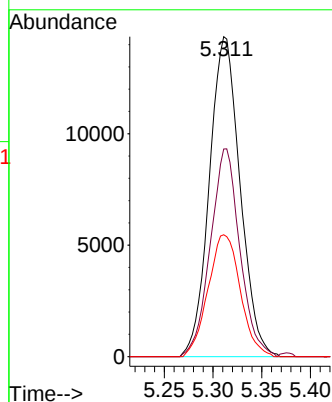
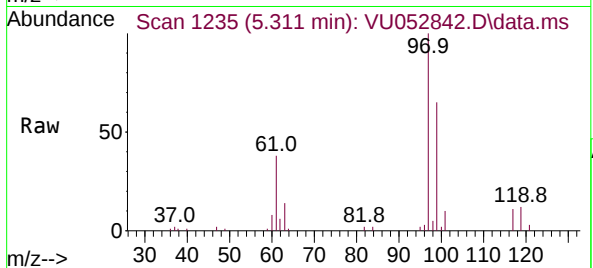
Tgt Ion: 97 Resp: 31460

Ion Ratio Lower Upper

97 100

99 62.3 51.4 77.0

61 40.0 33.0 49.6



#34

Trichloroethene

Concen: 104.043 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.003 min

Lab File: VU052842.D

Acq: 27 Jan 2023 13:27

Tgt Ion: 95 Resp: 235340

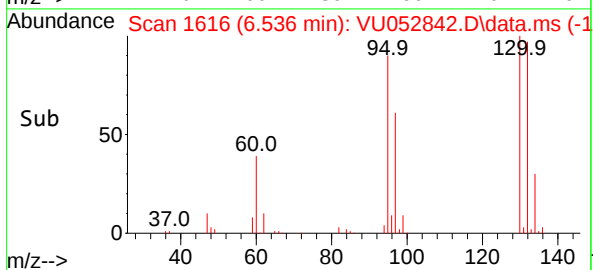
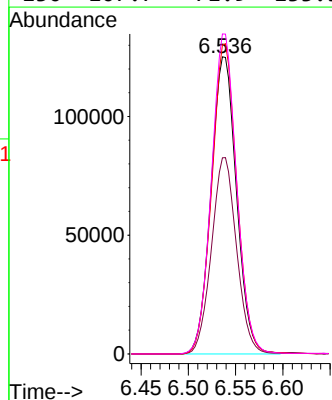
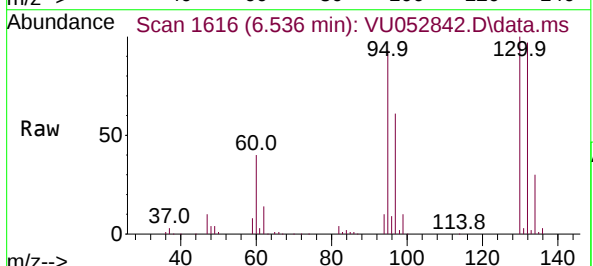
Ion Ratio Lower Upper

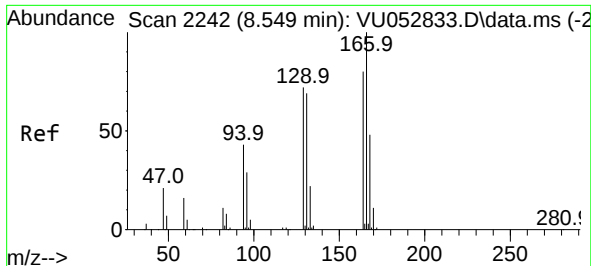
95 100

97 66.0 44.5 82.7

132 104.0 66.8 124.0

130 107.7 71.9 133.5

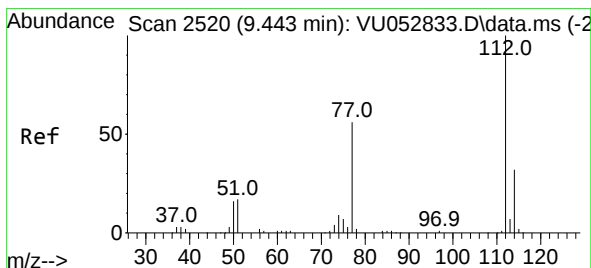
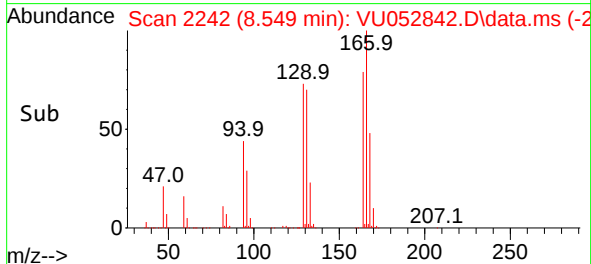
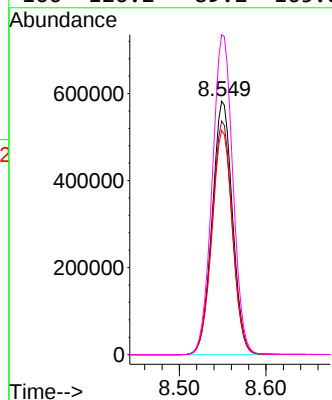
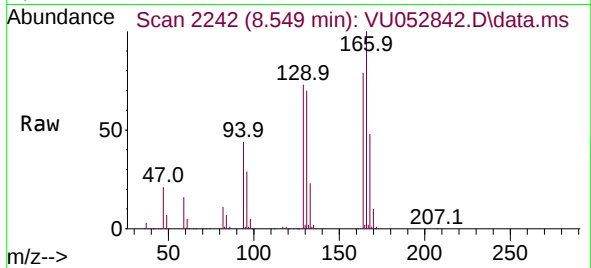




#46
Tetrachloroethene
Concen: 490.037 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052842.D
Acq: 27 Jan 2023 13:27

Instrument :
MSVOA_U
ClientSampleId :
COLC6

Tgt Ion:164 Resp: 954457
Ion Ratio Lower Upper
164 100
129 92.1 64.8 120.3
131 88.4 61.2 113.6
166 126.2 89.2 165.8



#51
Chlorobenzene
Concen: 1.205 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU052842.D
Acq: 27 Jan 2023 13:27

Tgt Ion:112 Resp: 7561
Ion Ratio Lower Upper
112 100
114 36.0 22.8 42.4
77 62.1 45.9 68.9

