

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092222\
 Data File : VU050902.D
 Acq On : 22 Sep 2022 16:51
 Operator : JC/MD
 Sample : N4650-21DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ38DL

Quant Time: Sep 23 01:12:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 23 01:08:30 2022
 Response via : Initial Calibration

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

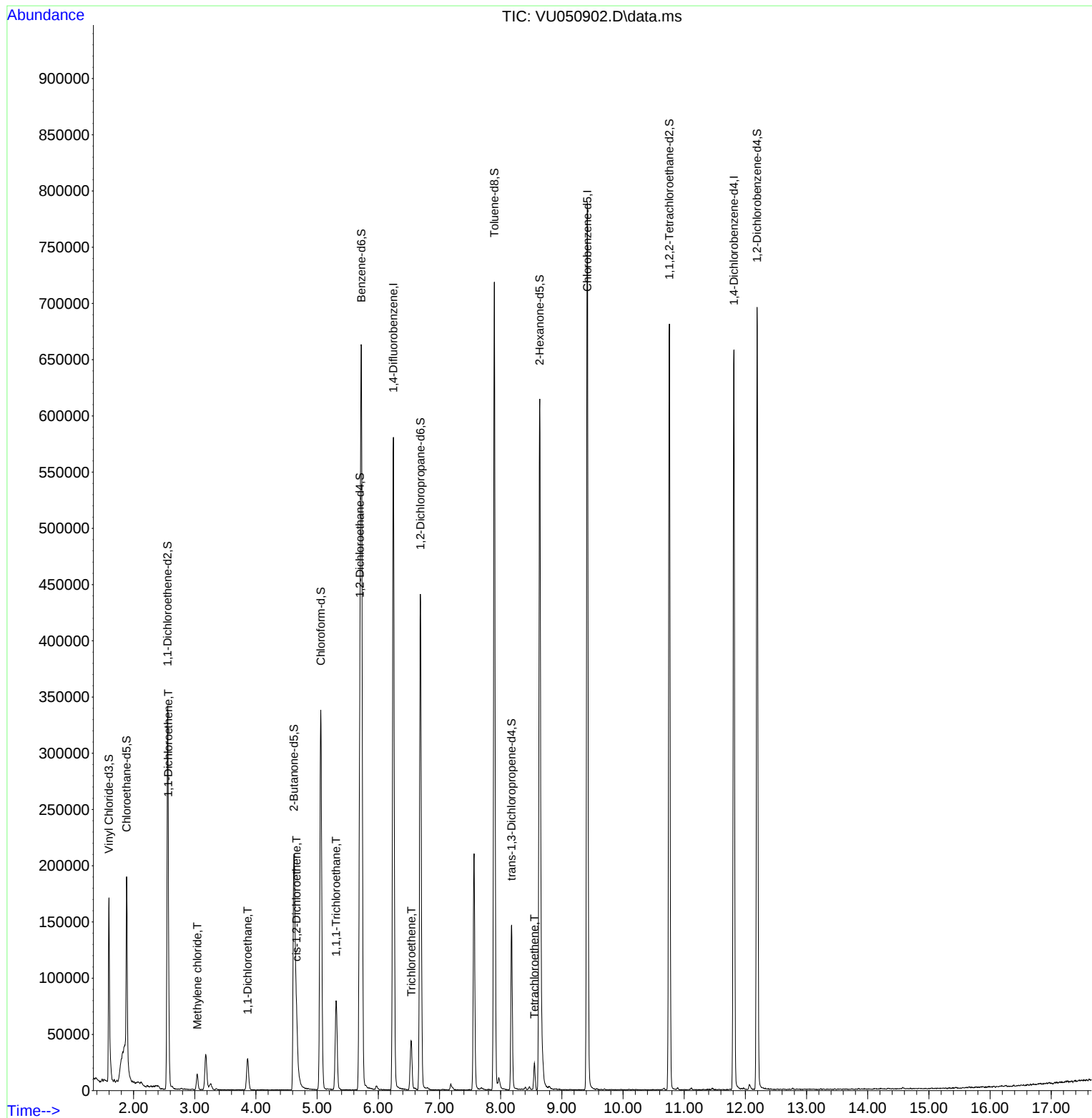
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	450980	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	433695	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	172756	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	143107	30.628	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.260%
7) Chloroethane-d5	1.887	69	103387	31.069	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	62.140%#
11) 1,1-Dichloroethene-d2	2.555	63	199112	27.387	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.780%#
21) 2-Butanone-d5	4.620	46	322471	106.901	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.900%
24) Chloroform-d	5.060	84	314235	42.914	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.820%
26) 1,2-Dichloroethane-d4	5.700	65	206098	45.672	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.340%
32) Benzene-d6	5.722	84	596123	41.730	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.460%
36) 1,2-Dichloropropane-d6	6.687	67	212934	44.160	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.320%
41) Toluene-d8	7.896	98	470046	37.643	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.280%#
43) trans-1,3-Dichloroprop...	8.179	79	83575	39.842	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.680%
47) 2-Hexanone-d5	8.636	63	206020	103.680	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	350100	47.624	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.240%
66) 1,2-Dichlorobenzene-d4	12.192	152	177150	48.976	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.960%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.568	96	13011	3.753	ug/L	# 1
16) Methylene chloride	3.041	84	6826	1.418	ug/L	94
19) 1,1-Dichloroethane	3.864	63	32874	4.578	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	18818	4.776	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	57403	9.949	ug/L	100
34) Trichloroethene	6.539	95	11958	3.225	ug/L	91
46) Tetrachloroethene	8.552	164	5076	1.905	ug/L	96

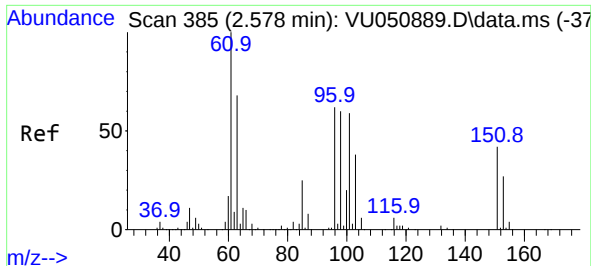
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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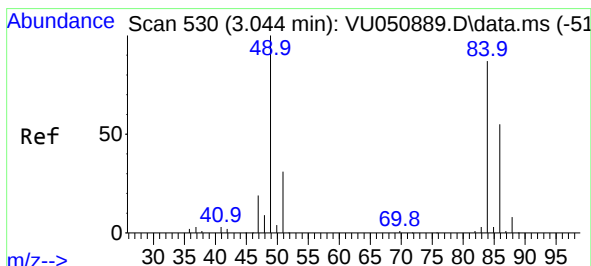
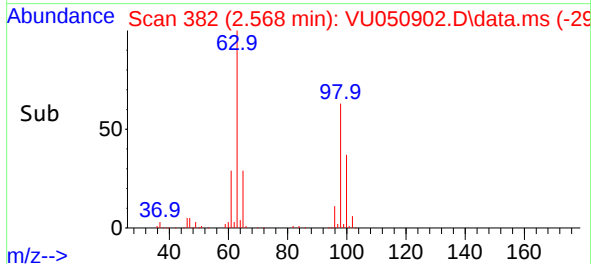
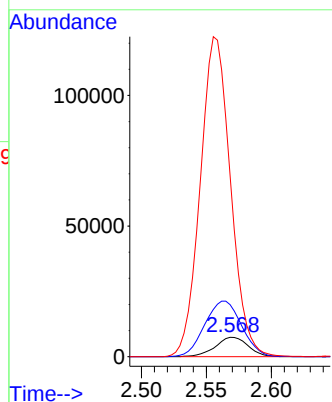
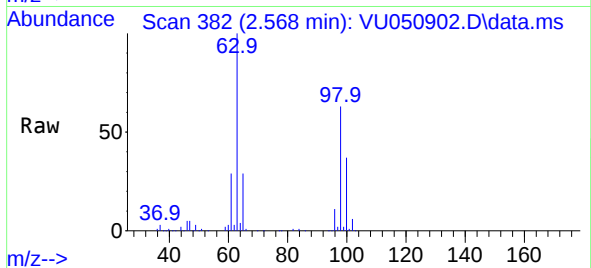




#12
1,1-Dichloroethene
Concen: 3.753 ug/L
RT: 2.568 min Scan# 31
Delta R.T. -0.010 min
Lab File: VU050902.D
Acq: 22 Sep 2022 16:51

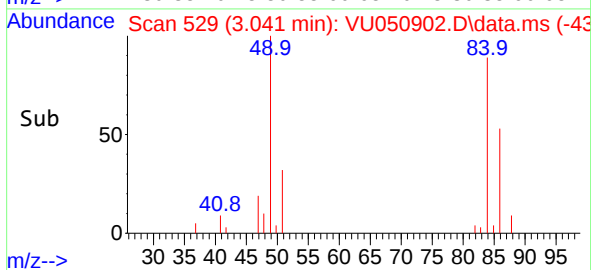
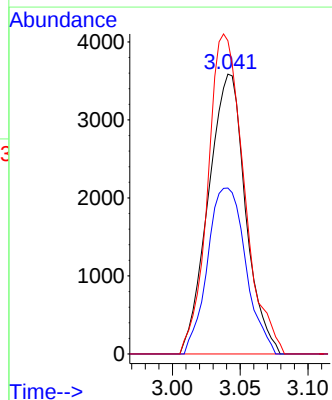
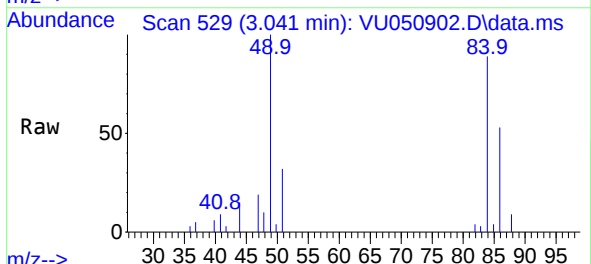
Instrument :
MSVOA_U
ClientSampleId :
EXZ38DL

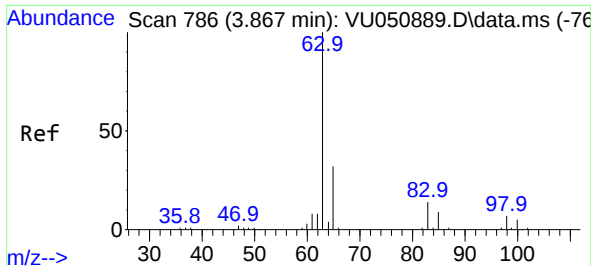
Tgt Ion: 96 Resp: 13011
Ion Ratio Lower Upper
96 100
61 268.1 118.6 220.2#
63 932.7 90.4 168.0#



#16
Methylene chloride
Concen: 1.418 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU050902.D
Acq: 22 Sep 2022 16:51

Tgt Ion: 84 Resp: 6826
Ion Ratio Lower Upper
84 100
86 59.3 44.4 82.5
49 111.9 83.3 154.7





#19

1,1-Dichloroethane

Concen: 4.578 ug/L

RT: 3.864 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU050902.D

Acq: 22 Sep 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

EXZ38DL

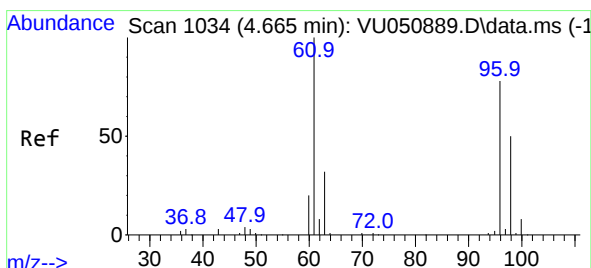
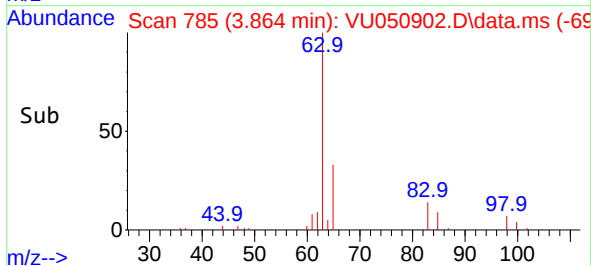
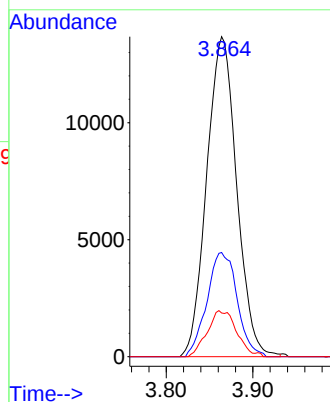
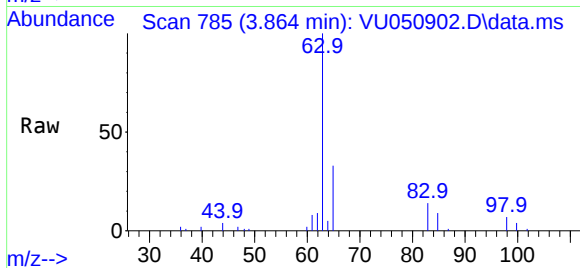
Tgt Ion: 63 Resp: 32874

Ion Ratio Lower Upper

63 100

65 32.6 21.5 39.9

83 13.6 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 4.776 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050902.D

Acq: 22 Sep 2022 16:51

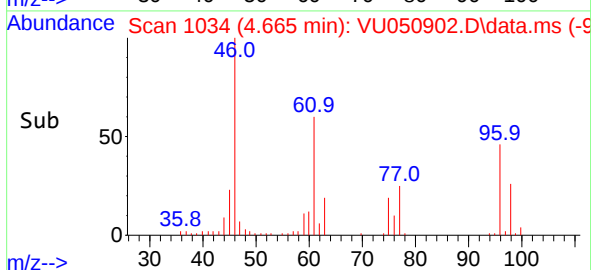
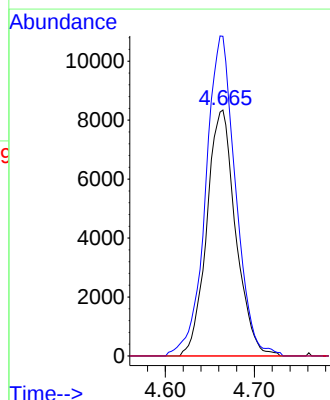
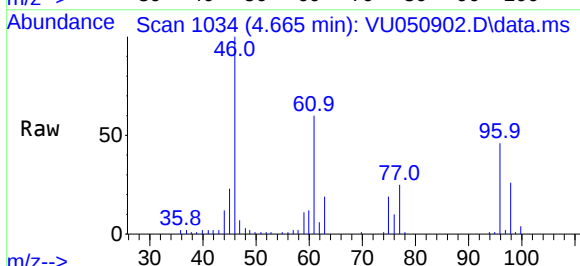
Tgt Ion: 96 Resp: 18818

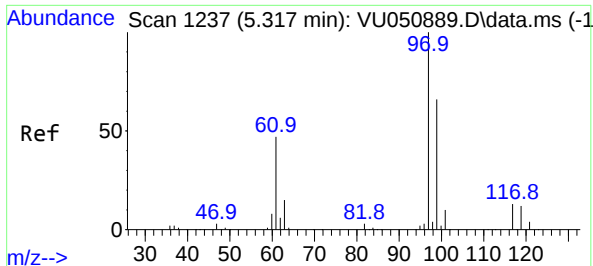
Ion Ratio Lower Upper

96 100

61 130.0 90.1 167.3

68 0.0 0.0 0.0

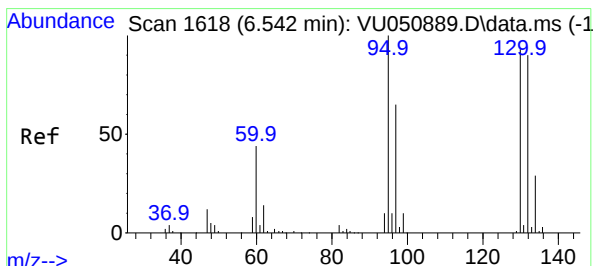
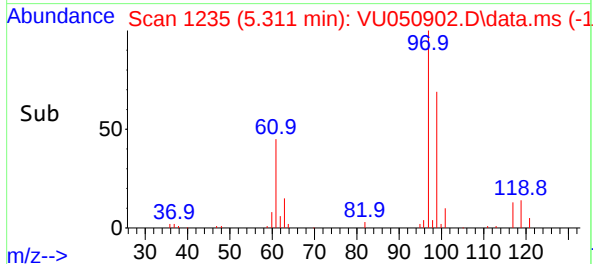
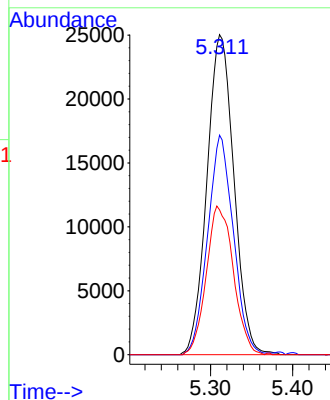
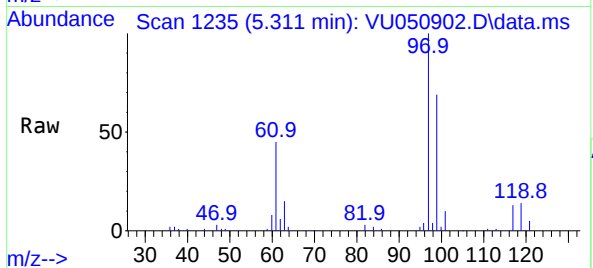




#30
1,1,1-Trichloroethane
Concen: 9.949 ug/L
RT: 5.311 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU050902.D
Acq: 22 Sep 2022 16:51

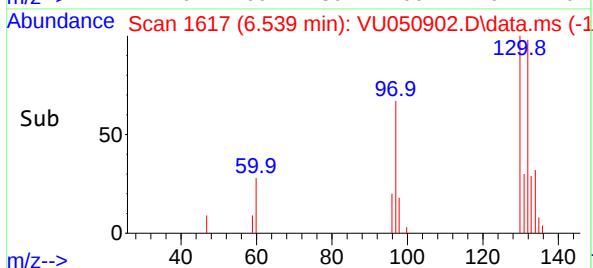
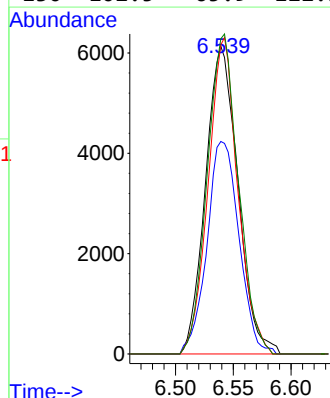
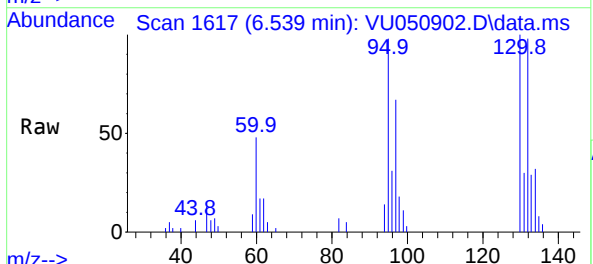
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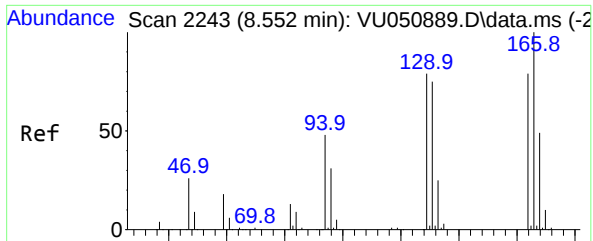
Tgt Ion: 97 Resp: 57403
Ion Ratio Lower Upper
97 100
99 65.4 52.2 78.2
61 46.5 37.1 55.7



#34
Trichloroethene
Concen: 3.225 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU050902.D
Acq: 22 Sep 2022 16:51

Tgt Ion: 95 Resp: 11958
Ion Ratio Lower Upper
95 100
97 69.1 43.9 81.5
132 100.5 63.1 117.1
130 102.5 65.9 122.3





#46
 Tetrachloroethene
 Concen: 1.905 ug/L
 RT: 8.552 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU050902.D
 Acq: 22 Sep 2022 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ38DL

Tgt Ion:164 Resp: 5076

Ion	Ratio	Lower	Upper
164	100		
129	99.9	68.5	127.3
131	99.0	66.1	122.7
166	131.7	88.8	164.8

