

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082923\
 Data File : VU054959.D
 Acq On : 29 Aug 2023 16:09
 Operator : MD/SY
 Sample : 04173-05DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK9DL

Quant Time: Aug 29 22:30:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 22:22:50 2023
 Response via : Initial Calibration

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

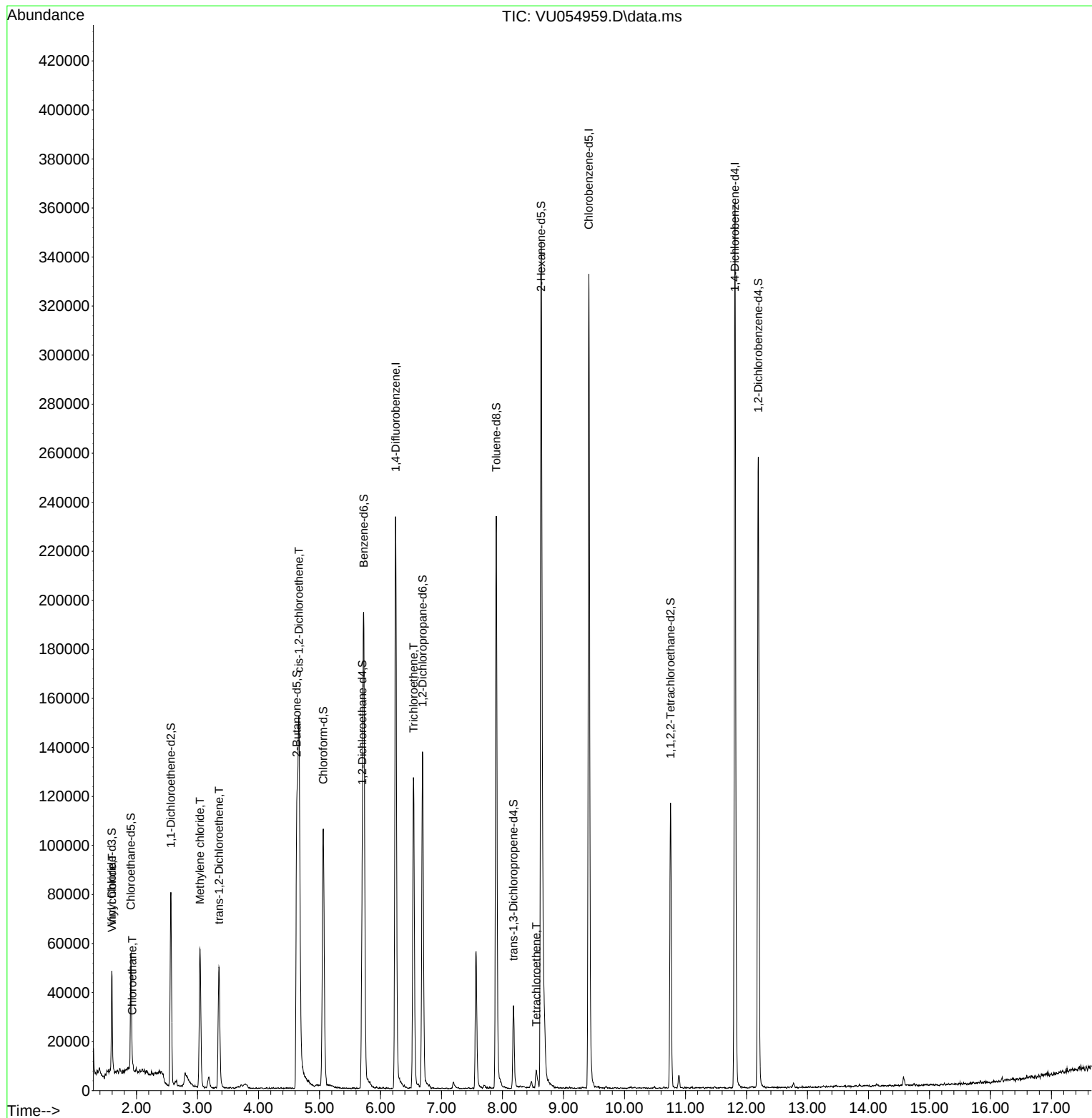
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	184344	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	182564	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	90012	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25058	4.307	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.200%
7) Chloroethane-d5	1.907	69	33629	4.474	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.400%
11) 1,1-Dichloroethene-d2	2.563	65	14973	4.553	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.000%
20) 2-Butanone-d5	4.628	46	175448	55.864	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.720%
24) Chloroform-d	5.062	84	99220	4.597	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	5.702	65	55189	4.805	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.724	84	177451	4.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.689	67	64763	4.487	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.898	98	157730	4.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	8.181	79	20096	4.231	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.634	63	115275	51.132	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.260%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	56500	4.565	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	65590	4.564	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						
5) Vinyl chloride	1.599	62	4152	0.336	ug/L	# 59
8) Chloroethane	1.933	64	1821	0.224	ug/L	96
16) Methylene chloride	3.039	84	26374	2.062	ug/L	93
18) trans-1,2-Dichloroethene	3.354	96	20375	2.240	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	58531	5.397	ug/L	92
34) Trichloroethene	6.541	95	43367	3.633	ug/L	97
47) Tetrachloroethene	8.557	164	1494	0.174	ug/L	79

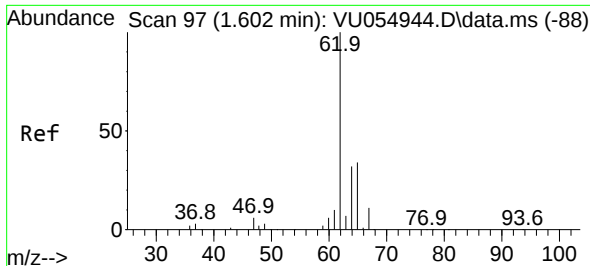
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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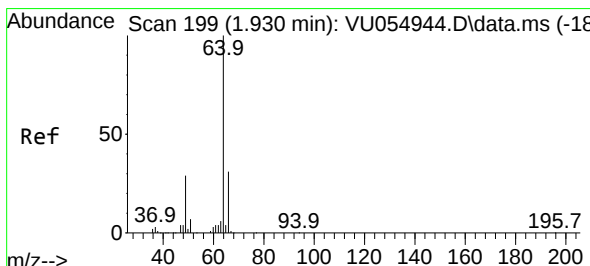
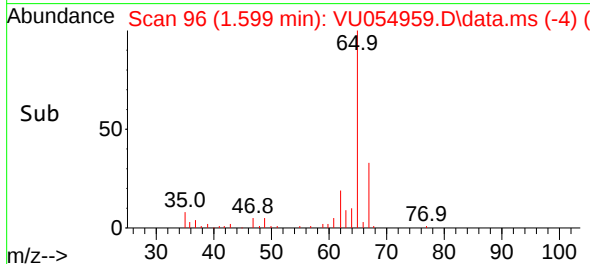
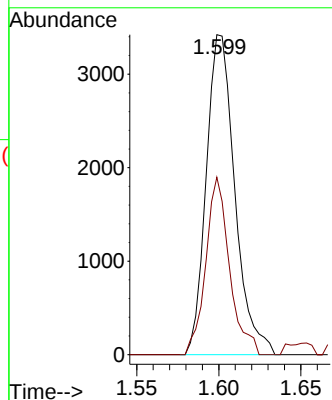
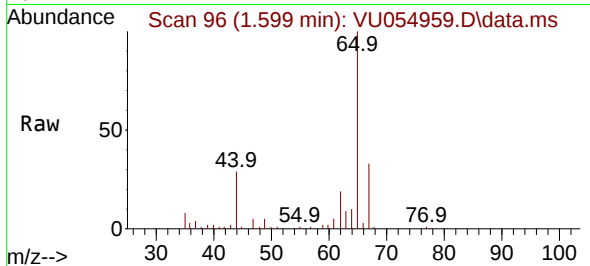




#5
 Vinyl chloride
 Concen: 0.336 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU054959.D
 Acq: 29 Aug 2023 16:09

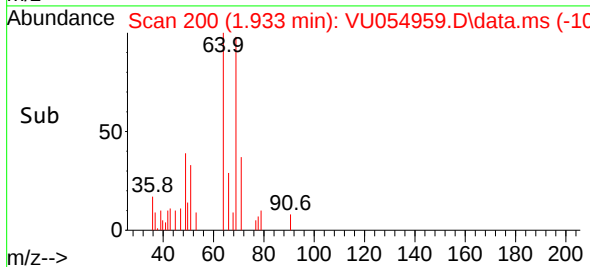
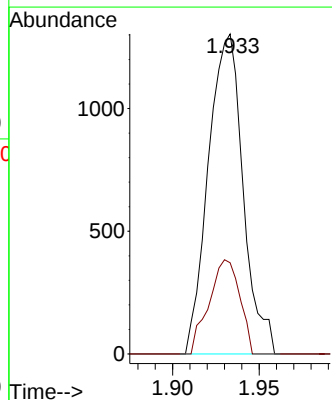
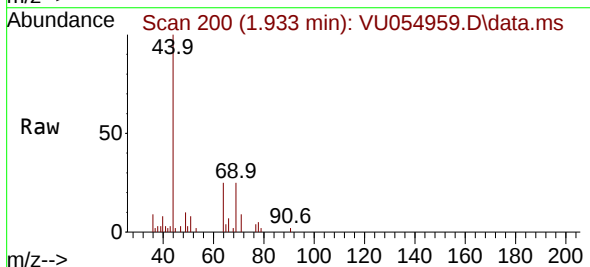
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK9DL

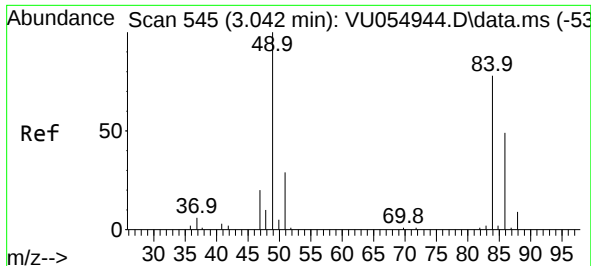
Tgt Ion: 62 Resp: 4152
 Ion Ratio Lower Upper
 62 100
 64 55.4 22.7 42.1#



#8
 Chloroethane
 Concen: 0.224 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. 0.003 min
 Lab File: VU054959.D
 Acq: 29 Aug 2023 16:09

Tgt Ion: 64 Resp: 1821
 Ion Ratio Lower Upper
 64 100
 66 28.5 21.5 39.9

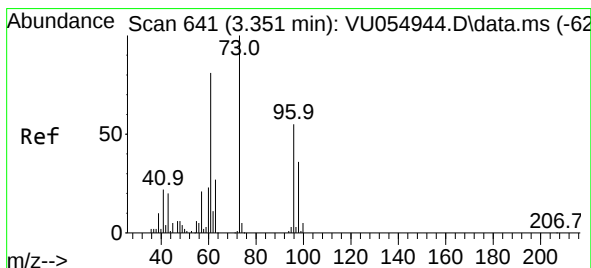
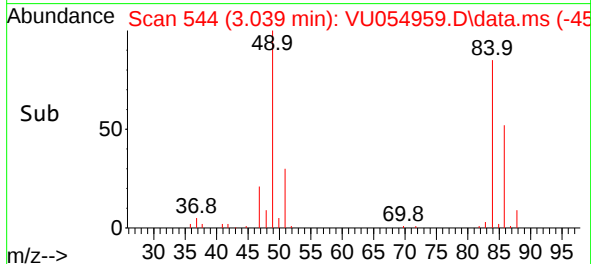
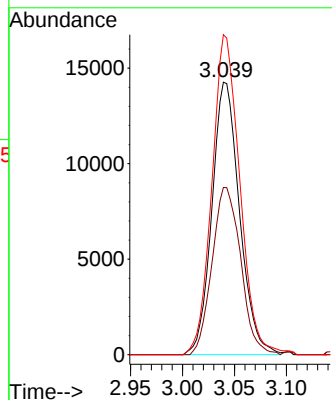
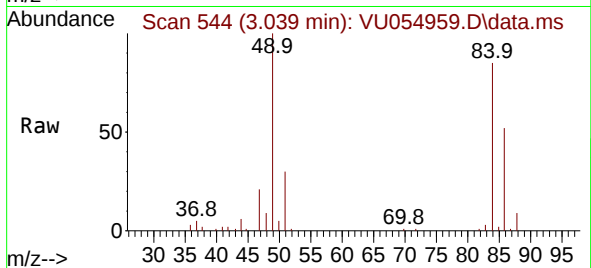




#16
Methylene chloride
Concen: 2.062 ug/L
RT: 3.039 min Scan# 54
Delta R.T. -0.003 min
Lab File: VU054959.D
Acq: 29 Aug 2023 16:09

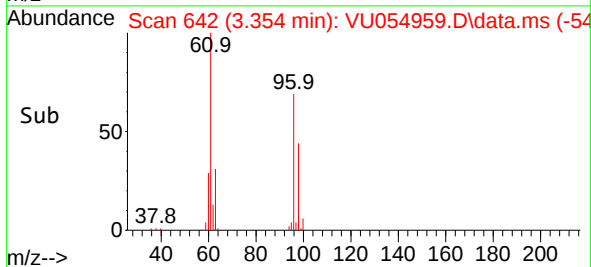
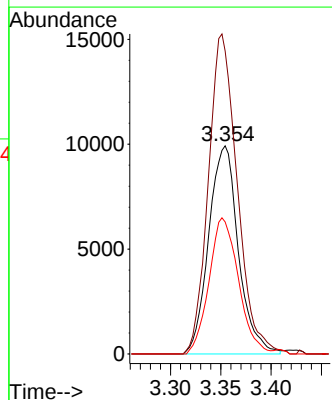
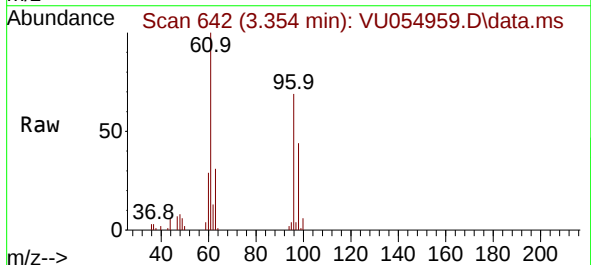
Instrument :
MSVOA_U
ClientSampleId :
C0AK9DL

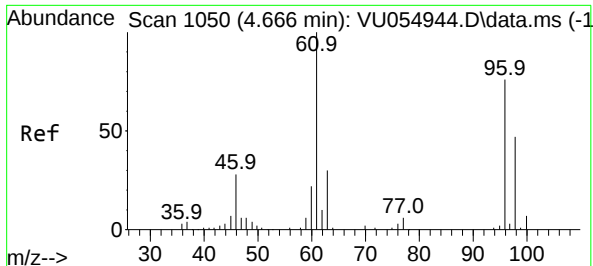
Tgt Ion: 84 Resp: 26374
Ion Ratio Lower Upper
84 100
86 61.4 45.1 83.7
49 117.4 89.5 166.3



#18
trans-1,2-Dichloroethene
Concen: 2.240 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU054959.D
Acq: 29 Aug 2023 16:09

Tgt Ion: 96 Resp: 20375
Ion Ratio Lower Upper
96 100
61 145.5 108.8 202.0
98 63.4 45.8 85.2





#22

cis-1,2-Dichloroethene

Concen: 5.397 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU054959.D

Acq: 29 Aug 2023 16:09

Instrument :

MSVOA_U

ClientSampleId :

C0AK9DL

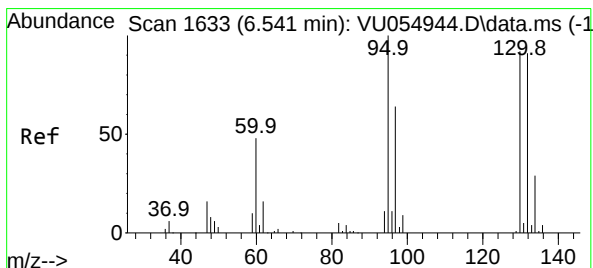
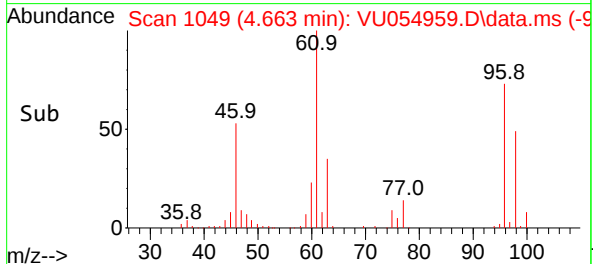
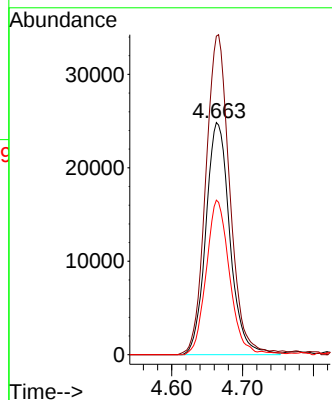
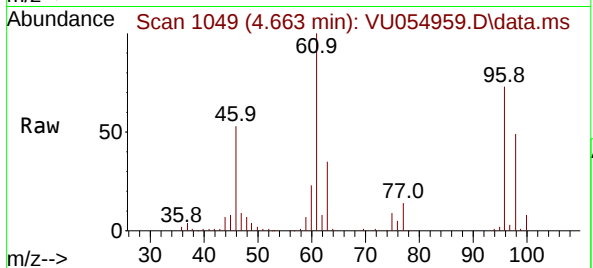
Tgt Ion: 96 Resp: 58531

Ion Ratio Lower Upper

96 100

61 137.3 88.4 164.2

98 66.6 44.0 81.6



#34

Trichloroethene

Concen: 3.633 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. 0.000 min

Lab File: VU054959.D

Acq: 29 Aug 2023 16:09

Tgt Ion: 95 Resp: 43367

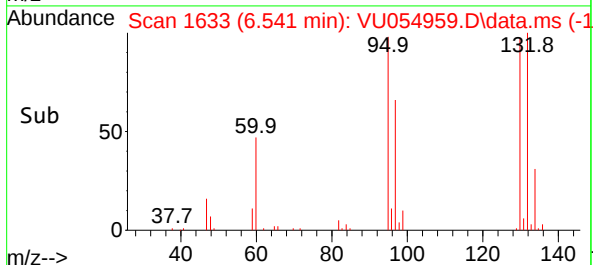
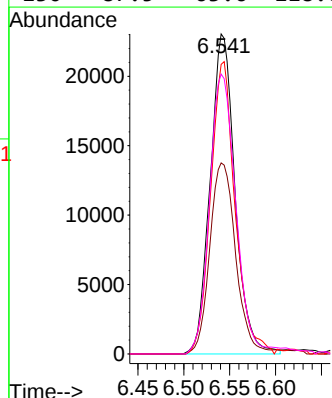
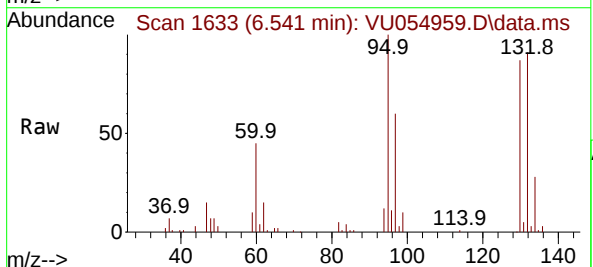
Ion Ratio Lower Upper

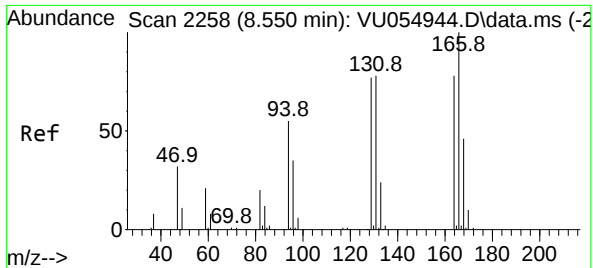
95 100

97 59.7 44.1 81.9

132 90.5 63.6 118.2

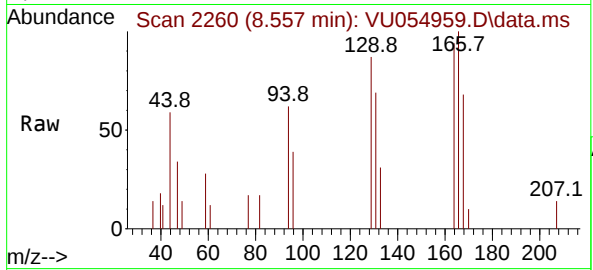
130 87.5 63.6 118.0





#47
 Tetrachloroethene
 Concen: 0.174 ug/L
 RT: 8.557 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: VU054959.D
 Acq: 29 Aug 2023 16:09

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK9DL



Tgt Ion:	164	Resp:	1494
Ion	Ratio	Lower	Upper
164	100		
129	93.0	72.8	135.2
131	73.7	70.7	131.3
166	106.4	95.9	178.1

