

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058450.D
 Acq On : 06 Apr 2024 03:42
 Operator : MD/SY
 Sample : P1948-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 06:02:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 06 00:37:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	84194	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	78402	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	33871	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22930	4.114	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.200%
7) Chloroethane-d5	1.907	69	20945	4.324	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.400%
11) 1,1-Dichloroethene-d2	2.557	65	16084	6.375	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	127.600%#
20) 2-Butanone-d5	4.634	46	59443	50.603	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.200%
24) Chloroform-d	5.055	84	52666	4.733	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.698	65	24986	4.811	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.724	84	103214	4.890	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
36) 1,2-Dichloropropane-d6	6.682	67	32582	4.922	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.891	98	86534	4.623	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.174	79	10389	5.056	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.200%
46) 2-Hexanone-d5	8.631	63	42307	49.919	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.840%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	22220	4.755	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	26776	4.694	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						
5) Vinyl chloride	1.599	62	14937	1.741	ug/L	96
8) Chloroethane	1.930	64	4069	0.751	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	49553	7.363	ug/L #	34
16) Methylene chloride	3.039	84	2408	0.304	ug/L	97
19) 1,1-Dichloroethane	3.859	63	7102614	520.353	ug/L	99
22) cis-1,2-Dichloroethene	4.656	96	2431	0.346	ug/L	93
25) Chloroform	5.081	83	31781	2.406	ug/L	100
27) 1,2-Dichloroethane	5.788	62	44668	5.552	ug/L	98
30) Cyclohexane	5.377	56	1149	0.103	ug/L #	17
31) Carbon tetrachloride	5.357	117	10980383	1233.463	ug/L #	63
34) Trichloroethene	6.534	95	765295	106.826	ug/L	96
35) Methylcyclohexane	6.685	83	6943	0.643	ug/L #	16
45) 1,1,2-Trichloroethane	8.393	97	2300	0.527	ug/L	94
47) Tetrachloroethene	8.547	164	18645	3.550	ug/L	98
49) Dibromochloromethane	8.547	129	18515	3.667	ug/L #	11
57) 1,1,2,2-Tetrachloroethane	10.637	83	1123	0.208	ug/L #	97
61) 1,2,3-Trichloropropane	10.634	75	499	0.144	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 06 00:37:11 2024
Response via : Initial Calibration

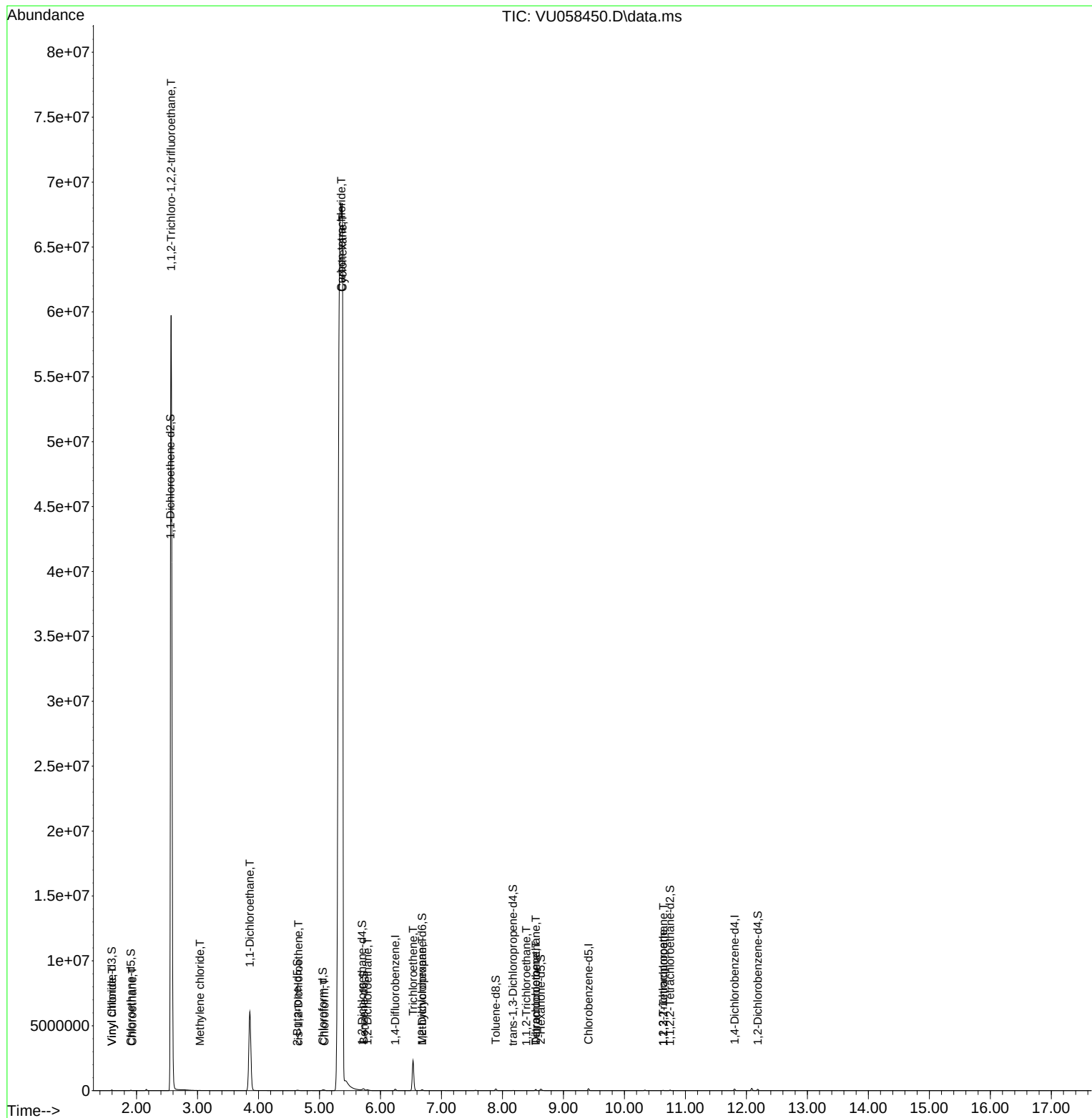
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

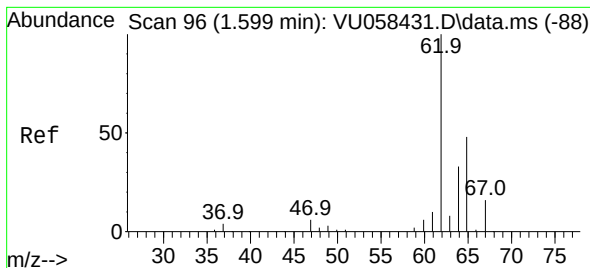
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#5

Vinyl chloride

Concen: 1.741 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU058450.D

Acq: 06 Apr 2024 03:42

Instrument :

MSVOA_U

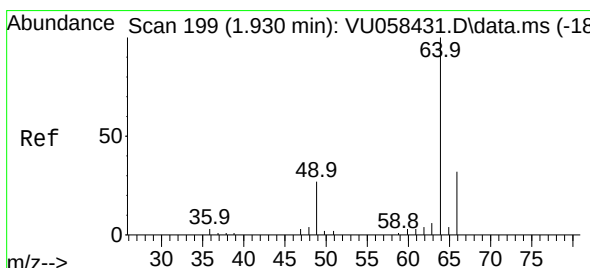
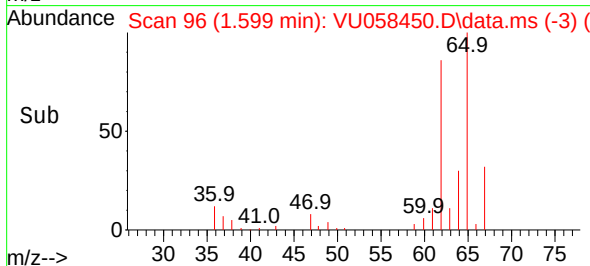
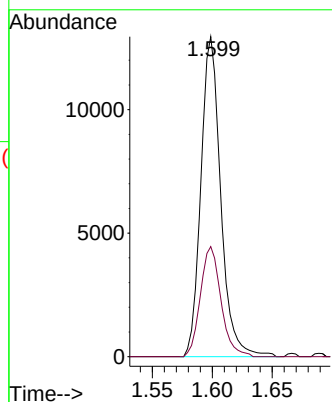
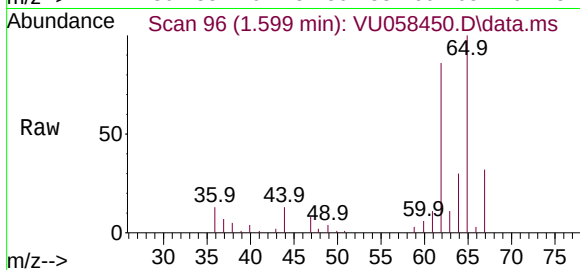
ClientSampleId :

Tgt Ion: 62 Resp: 14937

Ion Ratio Lower Upper

62 100

64 34.4 22.6 42.0



#8

Chloroethane

Concen: 0.751 ug/L

RT: 1.930 min Scan# 199

Delta R.T. 0.000 min

Lab File: VU058450.D

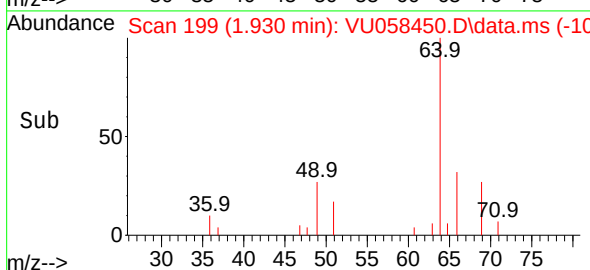
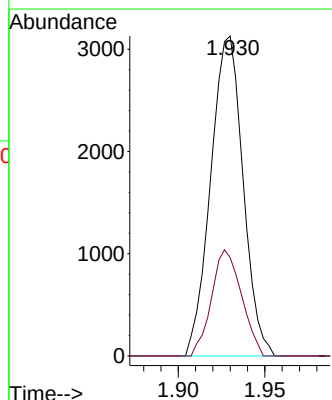
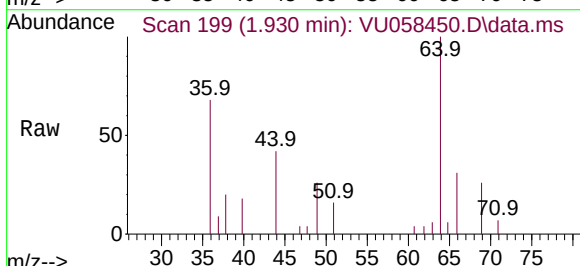
Acq: 06 Apr 2024 03:42

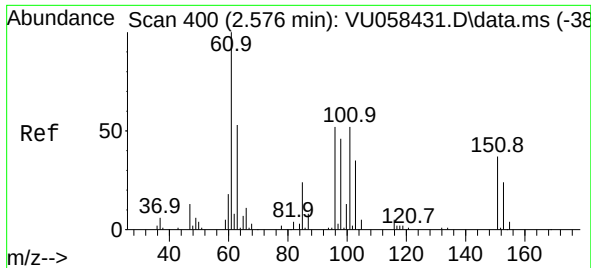
Tgt Ion: 64 Resp: 4069

Ion Ratio Lower Upper

64 100

66 29.1 22.5 41.9

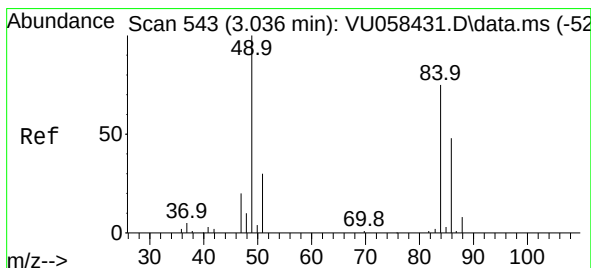
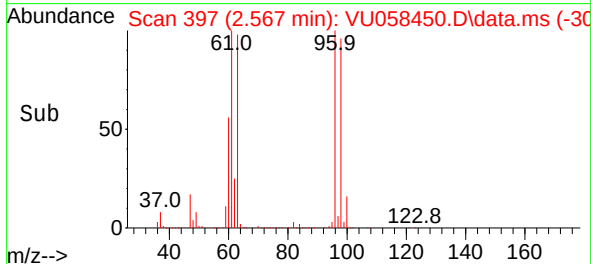
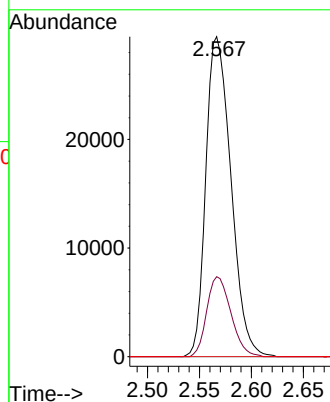
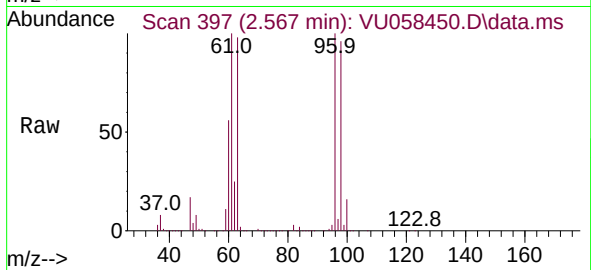




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 7.363 ug/L
RT: 2.567 min Scan# 30
Delta R.T. -0.010 min
Lab File: VU058450.D
Acq: 06 Apr 2024 03:42

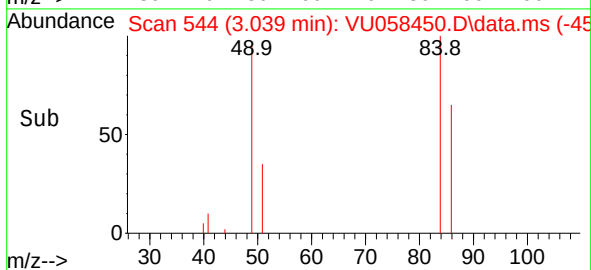
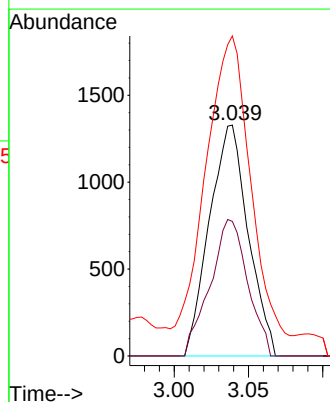
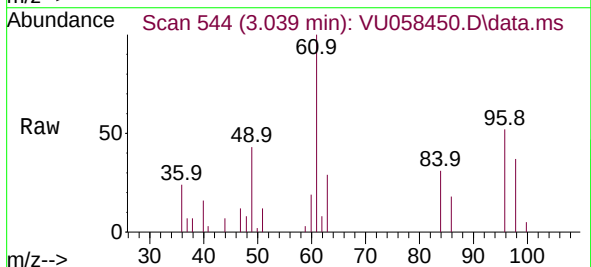
Instrument :
MSVOA_U
ClientSampleId :

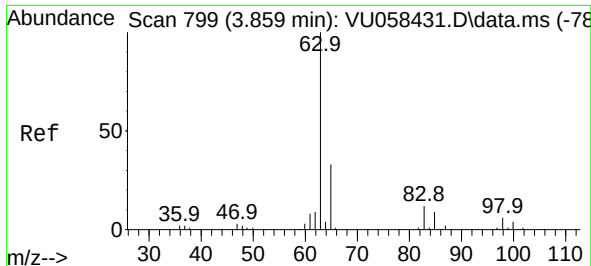
Tgt Ion:101 Resp: 49553
Ion Ratio Lower Upper
101 100
85 24.0 36.8 55.2#
151 0.0 58.2 87.4#



#16
Methylene chloride
Concen: 0.304 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU058450.D
Acq: 06 Apr 2024 03:42

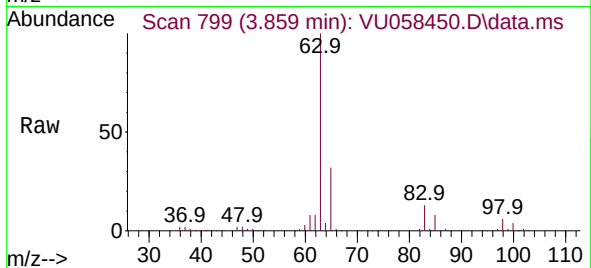
Tgt Ion: 84 Resp: 2408
Ion Ratio Lower Upper
84 100
86 58.3 44.3 82.3
49 138.6 96.0 178.2





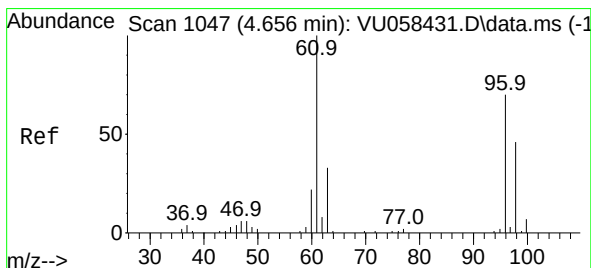
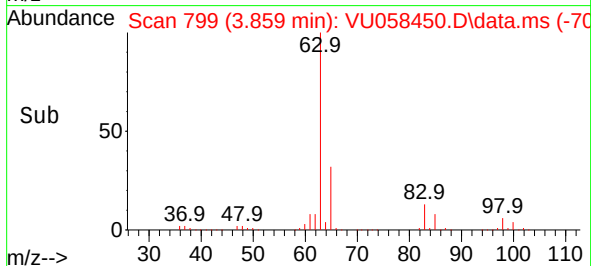
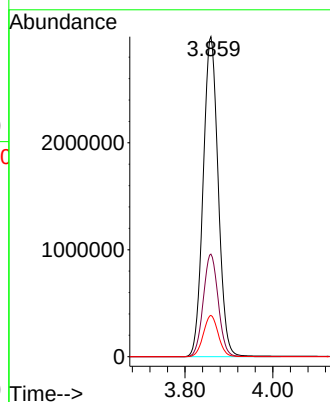
#19
1,1-Dichloroethane
Concen: 520.353 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU058450.D
Acq: 06 Apr 2024 03:42

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 63 Resp: 7102614

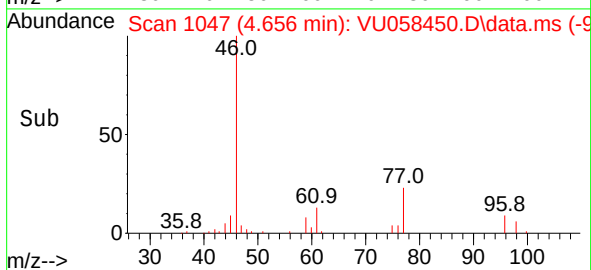
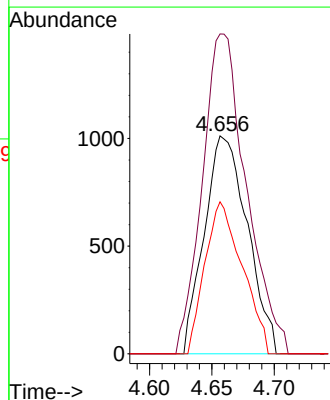
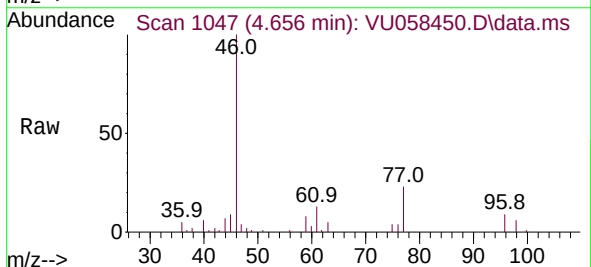
Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.9	42.5
83	12.9	9.6	17.8

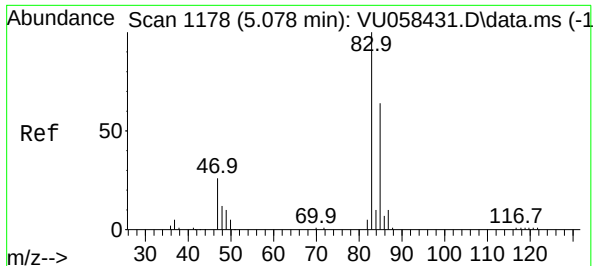


#22
cis-1,2-Dichloroethene
Concen: 0.346 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU058450.D
Acq: 06 Apr 2024 03:42

Tgt Ion: 96 Resp: 2431

Ion	Ratio	Lower	Upper
96	100		
61	146.7	98.1	182.3
98	69.8	43.6	81.0





#25

Chloroform

Concen: 2.406 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU058450.D

Acq: 06 Apr 2024 03:42

Instrument :

MSVOA_U

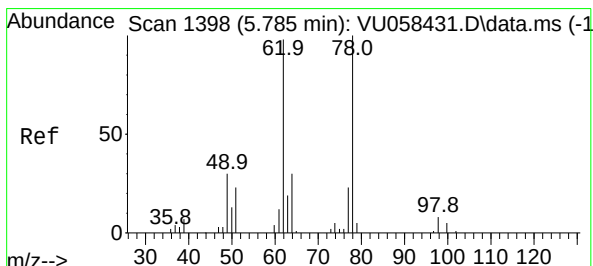
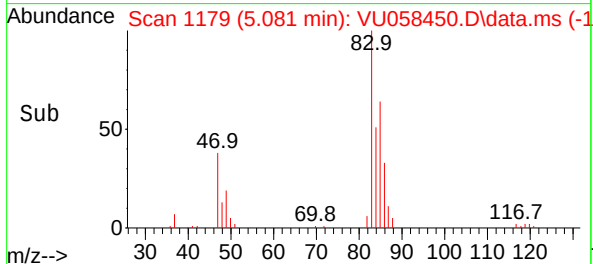
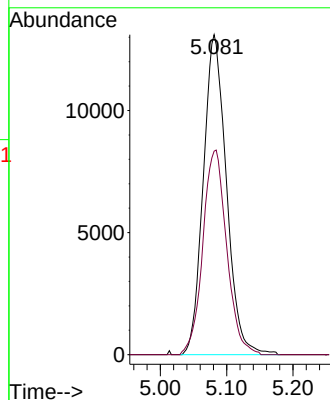
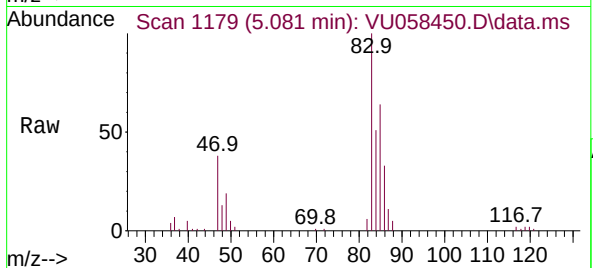
ClientSampleId :

Tgt Ion: 83 Resp: 31781

Ion Ratio Lower Upper

83 100

85 63.6 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.552 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU058450.D

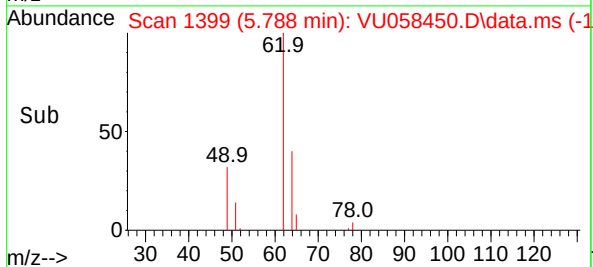
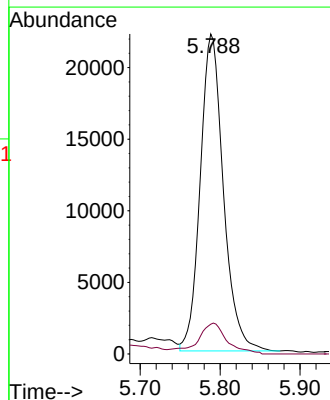
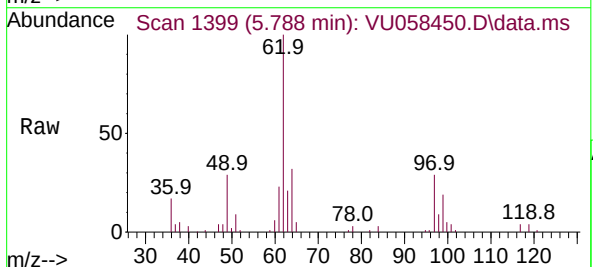
Acq: 06 Apr 2024 03:42

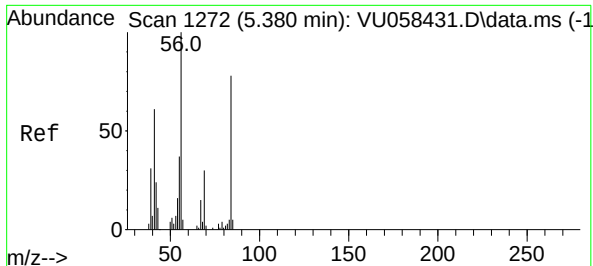
Tgt Ion: 62 Resp: 44668

Ion Ratio Lower Upper

62 100

98 9.3 7.0 10.4





#30

Cyclohexane

Concen: 0.103 ug/L

RT: 5.377 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VU058450.D

Acq: 06 Apr 2024 03:42

Instrument :

MSVOA_U

ClientSampleId :

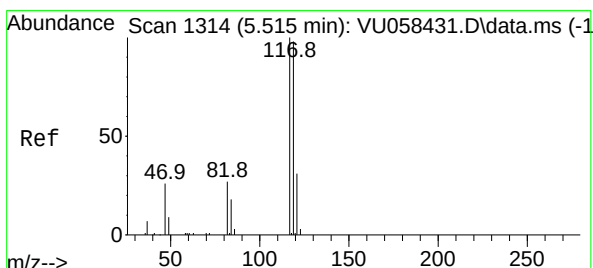
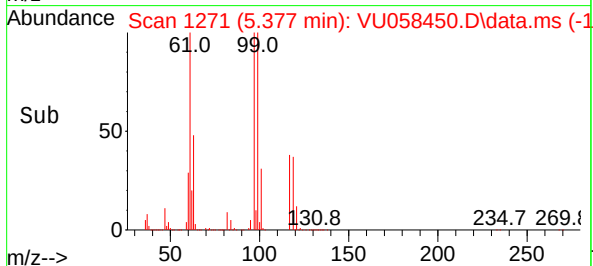
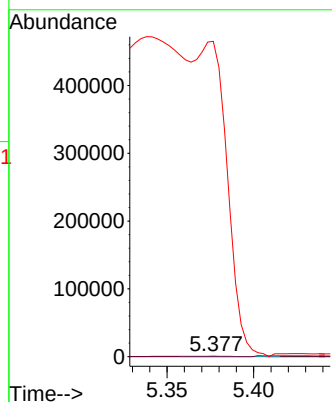
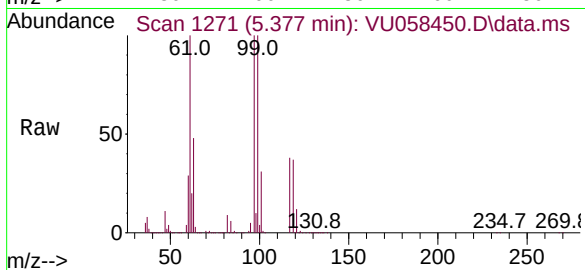
Tgt Ion: 56 Resp: 1149

Ion Ratio Lower Upper

56 100

69 63.4 23.2 34.8#

84 0.0 63.3 94.9#



#31

Carbon tetrachloride

Concen: 1233.463 ug/L

RT: 5.357 min Scan# 1265

Delta R.T. -0.157 min

Lab File: VU058450.D

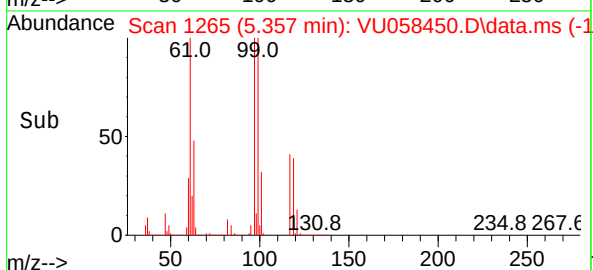
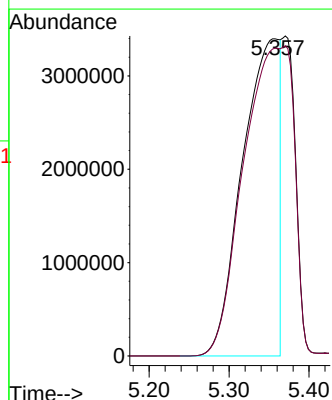
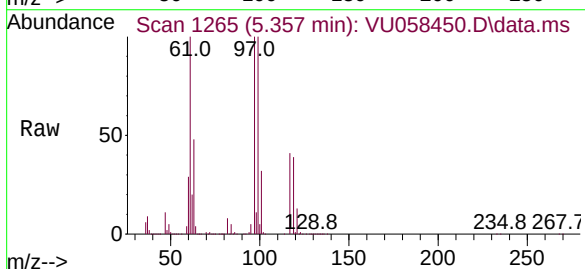
Acq: 06 Apr 2024 03:42

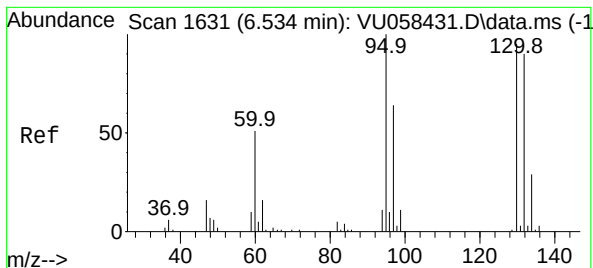
Tgt Ion: 117 Resp: 10980383

Ion Ratio Lower Upper

117 100

119 132.4 76.7 115.1#





#34

Trichloroethene

Concen: 106.826 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058450.D

Acq: 06 Apr 2024 03:42

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 765295

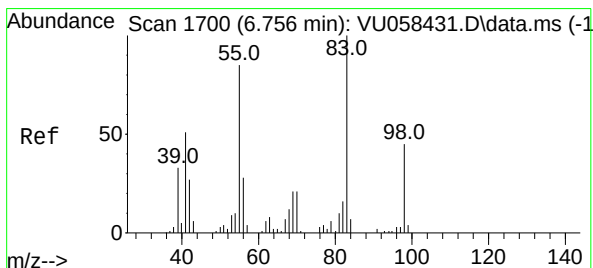
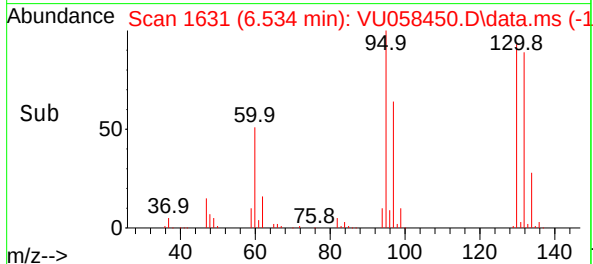
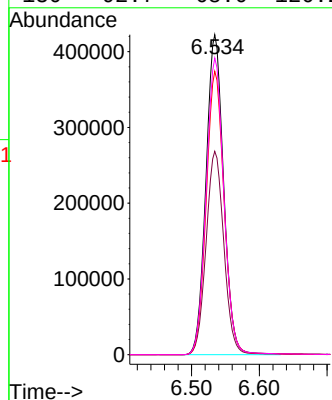
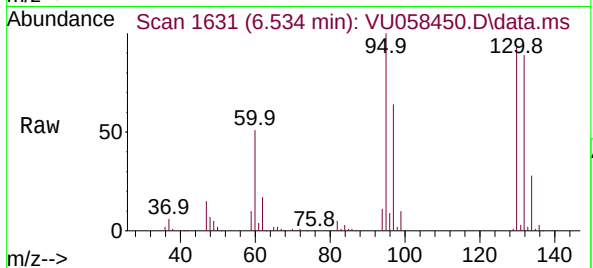
Ion Ratio Lower Upper

95 100

97 63.5 45.6 84.6

132 88.5 64.8 120.3

130 92.7 68.0 126.2



#35

Methylcyclohexane

Concen: 0.643 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.071 min

Lab File: VU058450.D

Acq: 06 Apr 2024 03:42

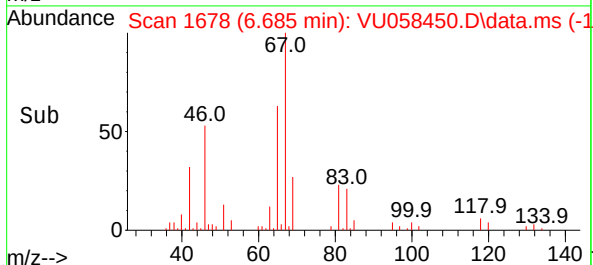
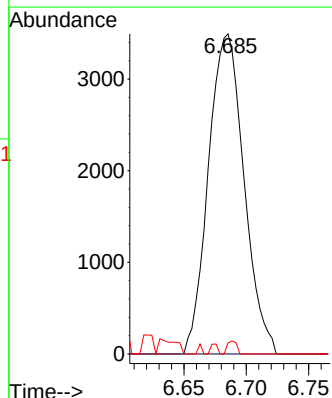
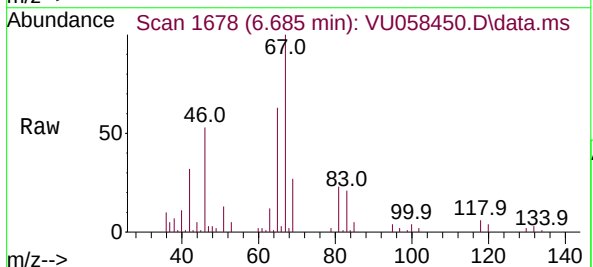
Tgt Ion: 83 Resp: 6943

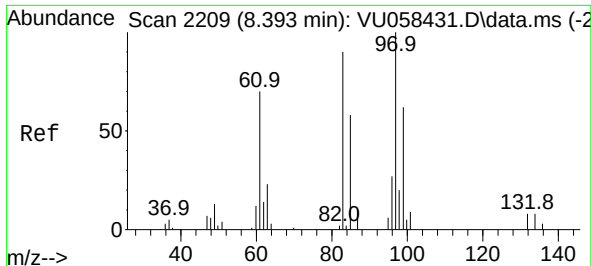
Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

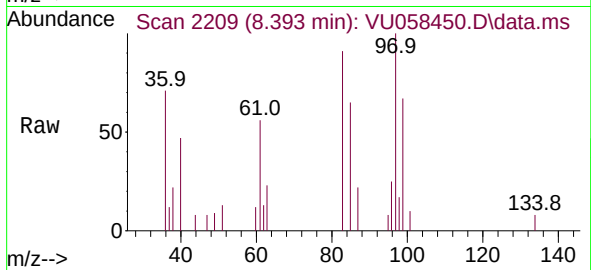
98 0.0 34.6 52.0#





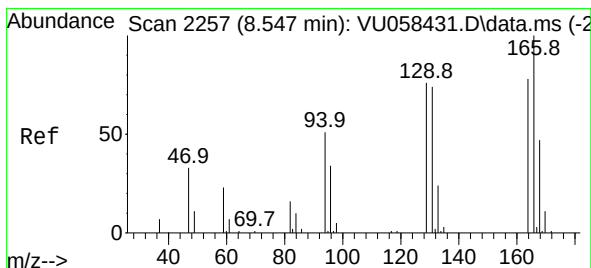
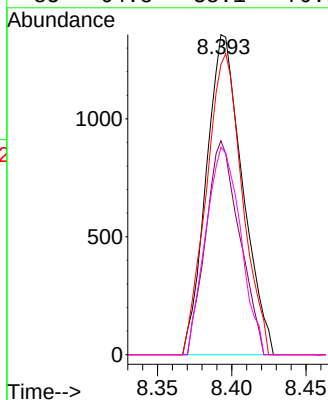
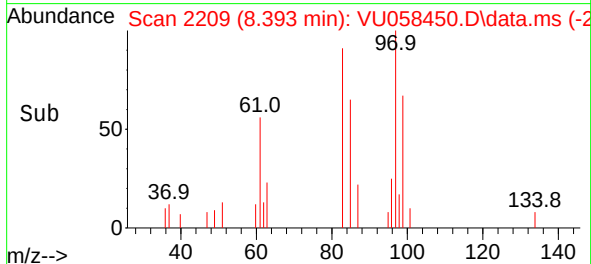
#45
1,1,2-Trichloroethane
Concen: 0.527 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058450.D
Acq: 06 Apr 2024 03:42

Instrument :
MSVOA_U
ClientSampleId :

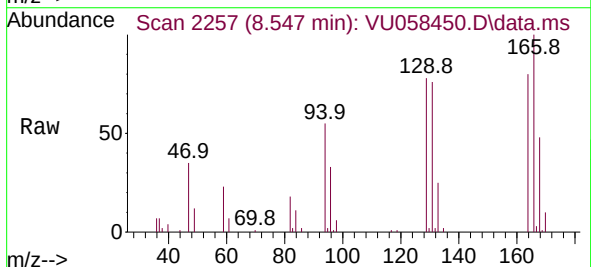


Tgt Ion: 97 Resp: 2300

Ion	Ratio	Lower	Upper
97	100		
99	66.8	43.7	81.1
83	90.6	64.5	119.7
85	64.8	38.1	70.9

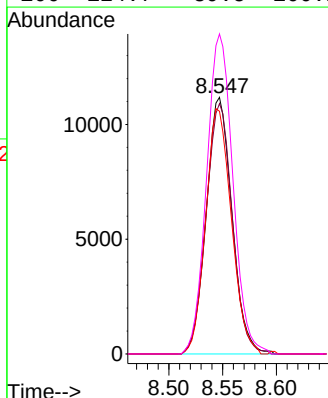
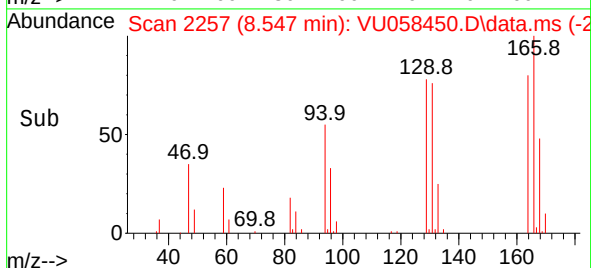


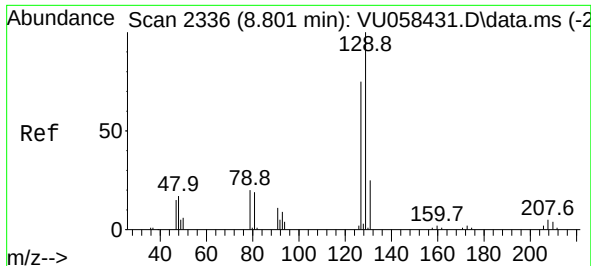
#47
Tetrachloroethene
Concen: 3.550 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058450.D
Acq: 06 Apr 2024 03:42



Tgt Ion: 164 Resp: 18645

Ion	Ratio	Lower	Upper
164	100		
129	97.6	67.3	125.1
131	94.6	65.5	121.6
166	124.7	89.5	166.1





#49

Dibromochloromethane

Concen: 3.667 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU058450.D

Acq: 06 Apr 2024 03:42

Instrument :

MSVOA_U

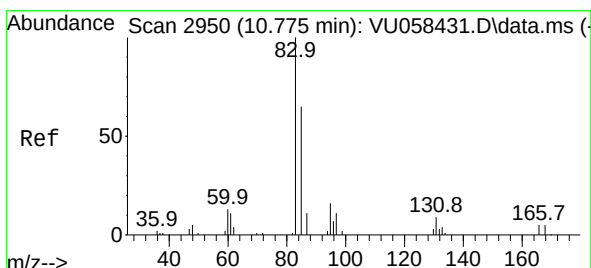
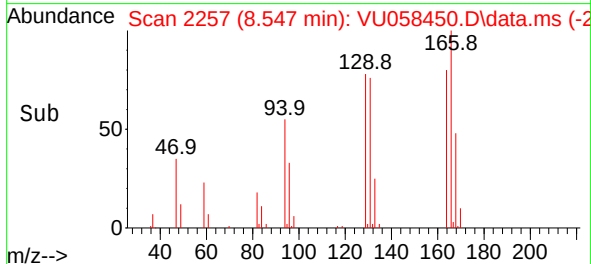
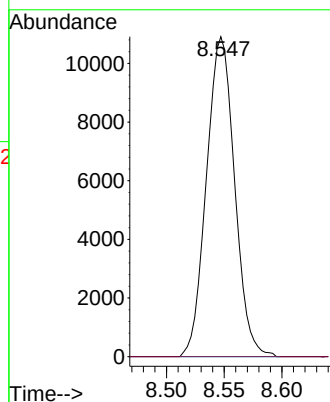
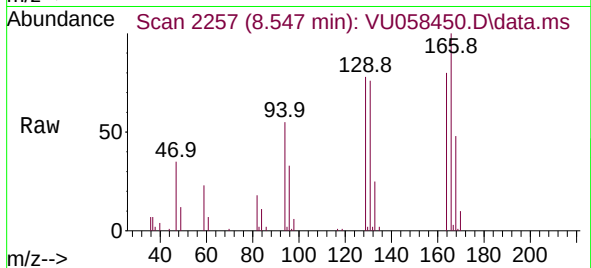
ClientSampleId :

Tgt Ion:129 Resp: 18515

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#57

1,1,2,2-Tetrachloroethane

Concen: 0.208 ug/L

RT: 10.637 min Scan# 2907

Delta R.T. -0.138 min

Lab File: VU058450.D

Acq: 06 Apr 2024 03:42

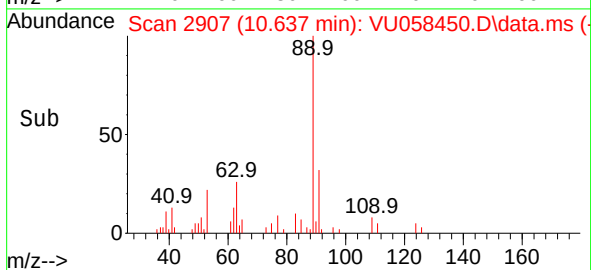
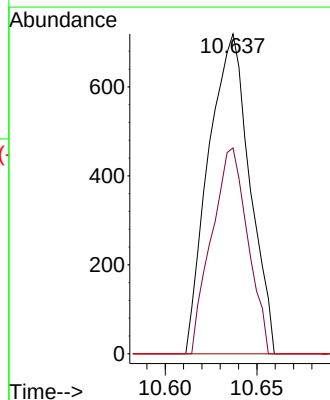
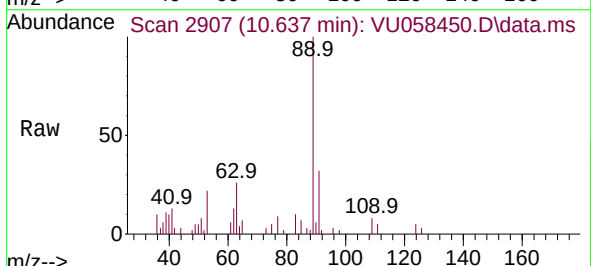
Tgt Ion: 83 Resp: 1123

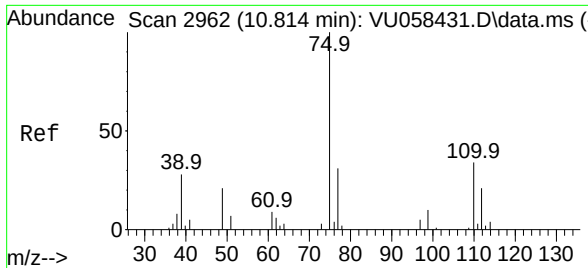
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

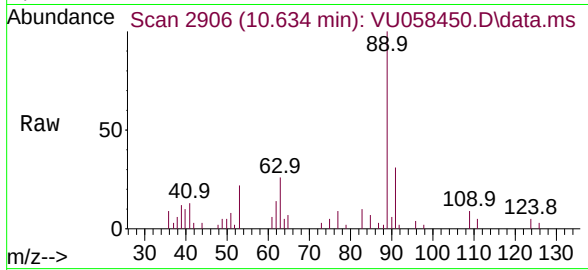
131 0.0 6.9 10.3#





#61
 1,2,3-Trichloropropane
 Concen: 0.144 ug/L
 RT: 10.634 min Scan# 2962
 Delta R.T. -0.180 min
 Lab File: VU058450.D
 Acq: 06 Apr 2024 03:42

Instrument : MSVOA_U
 ClientSampleId :



Tgt Ion:	75	Resp:	499
Ion	Ratio	Lower	Upper
75	100		
110	0.0	25.8	38.6#
77	169.1	25.1	37.7#

