

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062924\
 Data File : VU059660.D
 Acq On : 29 Jun 2024 06:58
 Operator : MD/SY
 Sample : P3068-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCL31

Quant Time: Jun 29 07:13:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 29 01:51:23 2024
 Response via : Initial Calibration

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

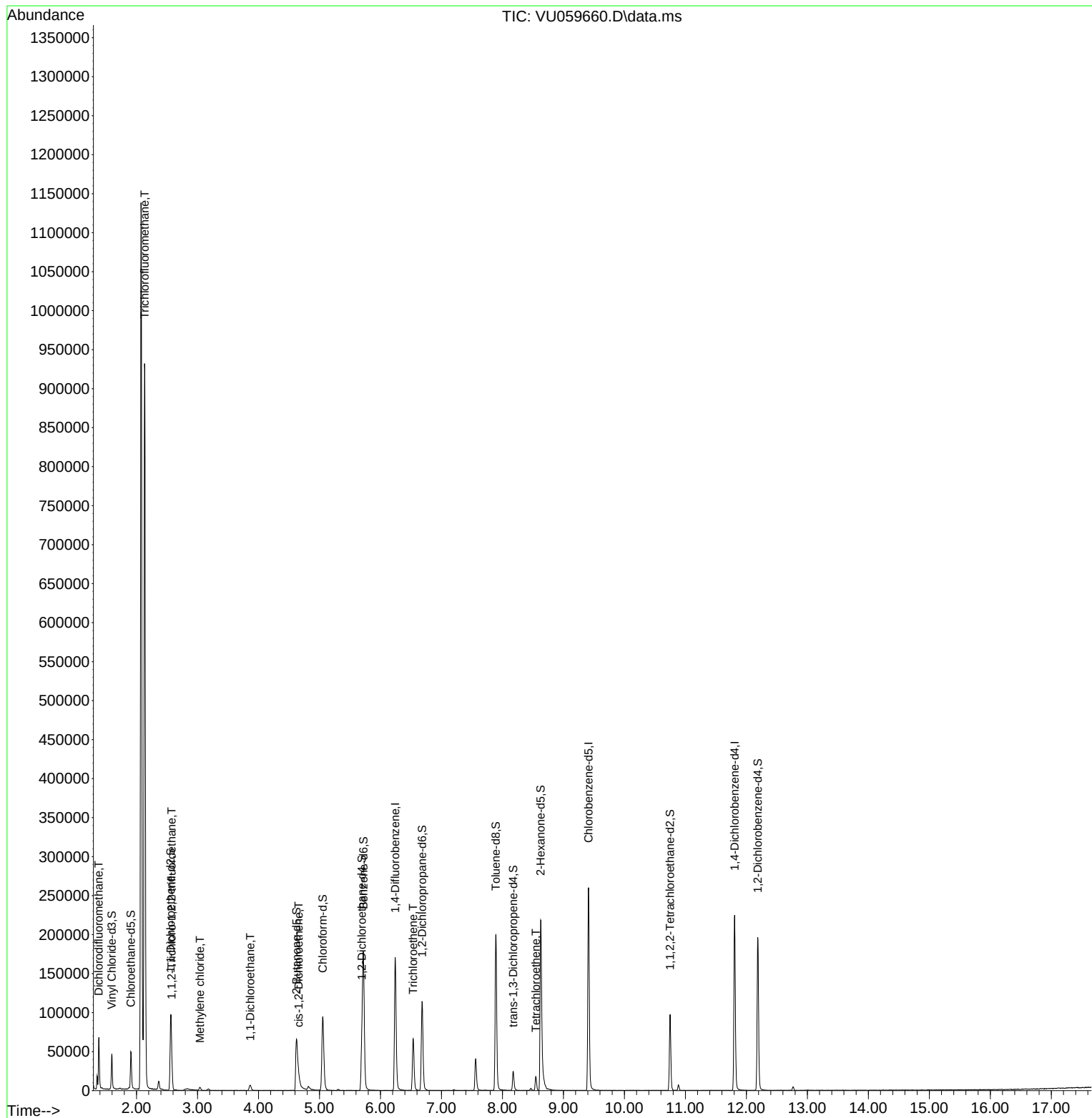
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	148691	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	156224	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	66277	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	31693	3.065	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.400%
7) Chloroethane-d5	1.907	69	36989	3.718	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.400%
11) 1,1-Dichloroethene-d2	2.560	65	14457	3.370	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.400%
20) 2-Butanone-d5	4.624	46	104173	48.914	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.820%
24) Chloroform-d	5.052	84	91751	4.323	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
26) 1,2-Dichloroethane-d4	5.695	65	46598	4.558	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	5.721	84	176138	4.097	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.682	67	58997	4.478	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.891	98	145682	3.645	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
43) trans-1,3-Dichloroprop...	8.177	79	16105	3.904	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.000%
46) 2-Hexanone-d5	8.627	63	79620	46.449	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.900%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	51062	4.691	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	59635	5.055	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	31464	2.497	ug/L	100
9) Trichlorofluoromethane	2.132	101	602908	33.435	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	11894	1.042	ug/L	97
16) Methylene chloride	3.039	84	2050	0.164	ug/L	94
19) 1,1-Dichloroethane	3.865	63	8743	0.432	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	2233	0.185	ug/L	89
34) Trichloroethene	6.537	95	23679	1.843	ug/L	97
47) Tetrachloroethene	8.550	164	4365	0.438	ug/L	84

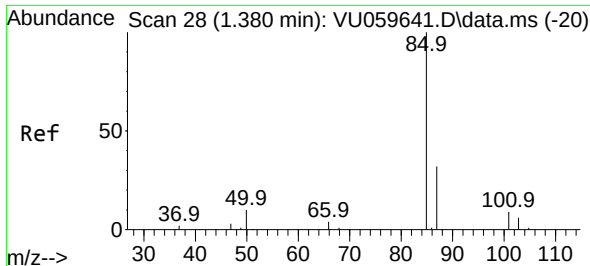
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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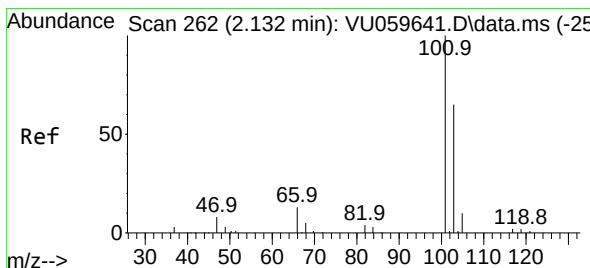
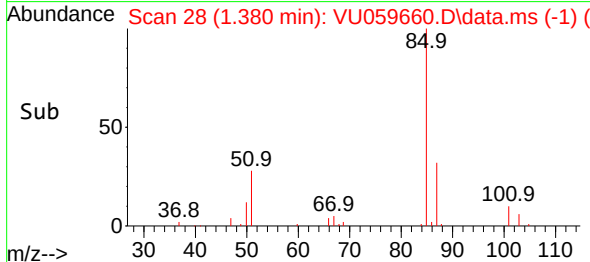
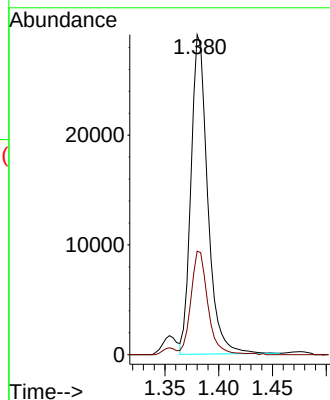
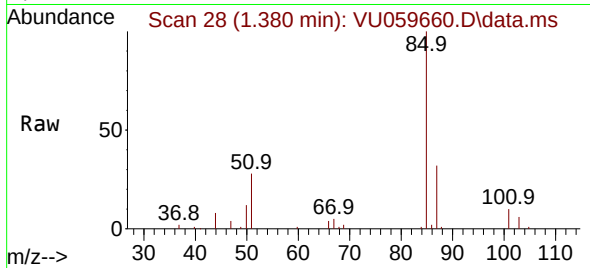




#2
 Dichlorodifluoromethane
 Concen: 2.497 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU059660.D
 Acq: 29 Jun 2024 06:58

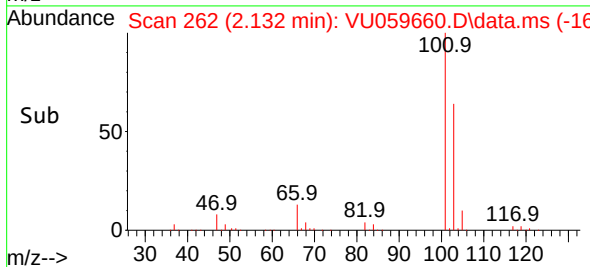
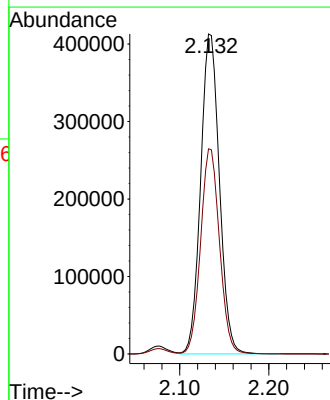
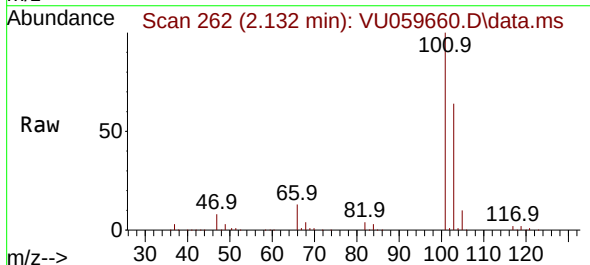
Instrument :
 MSVOA_U
 ClientSampleId :
 GCL31

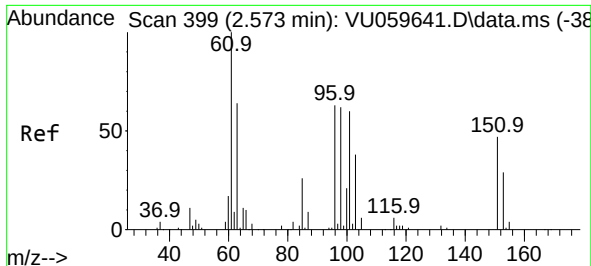
Tgt Ion: 85 Resp: 31464
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.6 40.0



#9
 Trichlorofluoromethane
 Concen: 33.435 ug/L
 RT: 2.132 min Scan# 262
 Delta R.T. 0.000 min
 Lab File: VU059660.D
 Acq: 29 Jun 2024 06:58

Tgt Ion: 101 Resp: 602908
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 79.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.042 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU059660.D

Acq: 29 Jun 2024 06:58

Instrument :

MSVOA_U

ClientSampleId :

GCL31

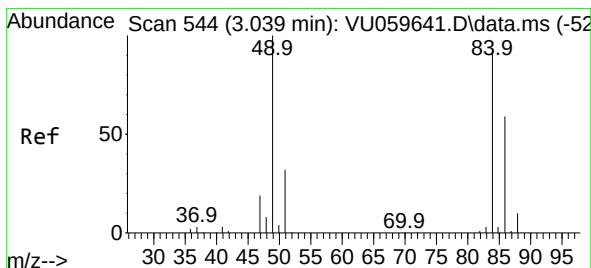
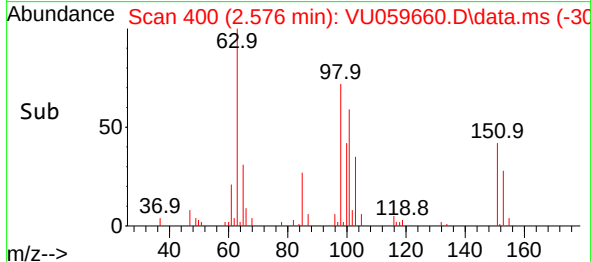
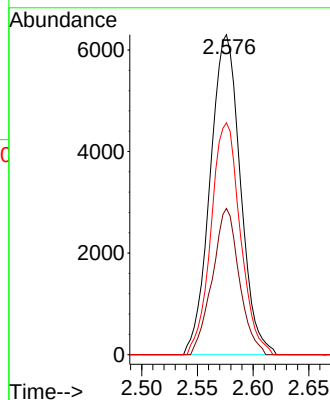
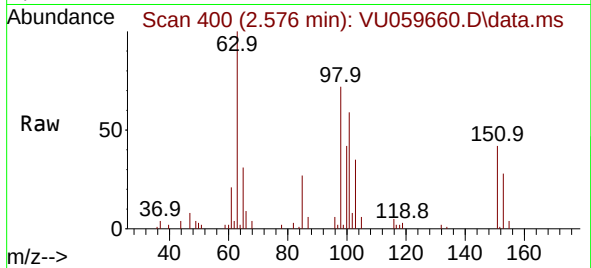
Tgt Ion:101 Resp: 11894

Ion Ratio Lower Upper

101 100

85 40.7 36.2 54.4

151 70.1 55.5 83.3



#16

Methylene chloride

Concen: 0.164 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU059660.D

Acq: 29 Jun 2024 06:58

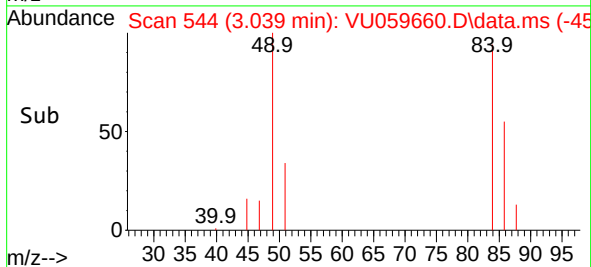
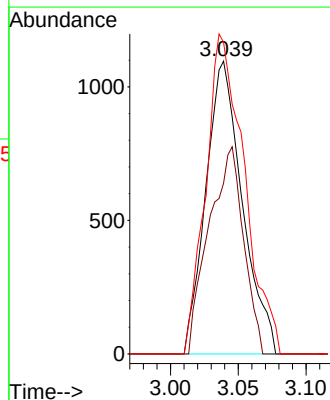
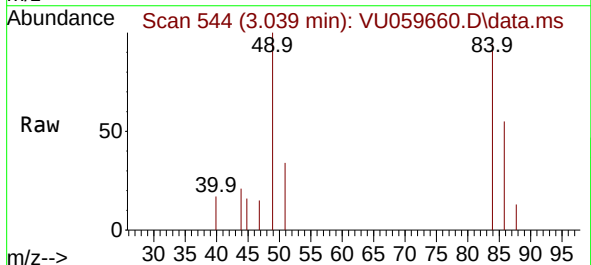
Tgt Ion: 84 Resp: 2050

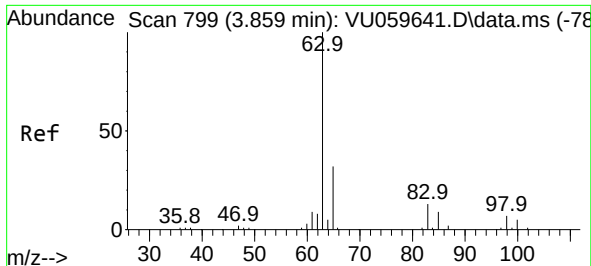
Ion Ratio Lower Upper

84 100

86 58.3 42.1 78.1

49 106.5 80.6 149.8





#19

1,1-Dichloroethane

Concen: 0.432 ug/L

RT: 3.865 min Scan# 801

Delta R.T. 0.006 min

Lab File: VU059660.D

Acq: 29 Jun 2024 06:58

Instrument :

MSVOA_U

ClientSampleId :

GCL31

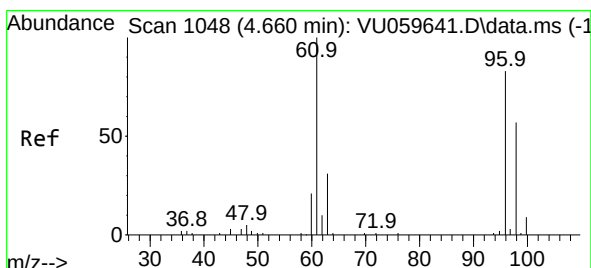
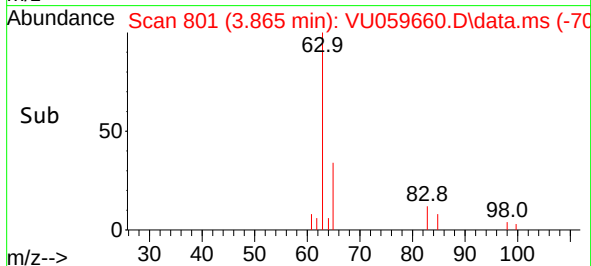
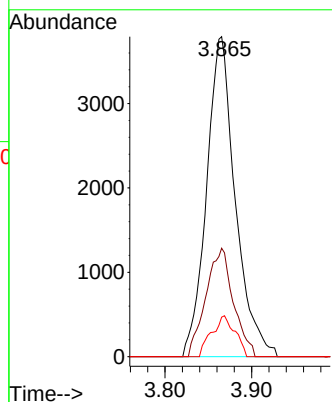
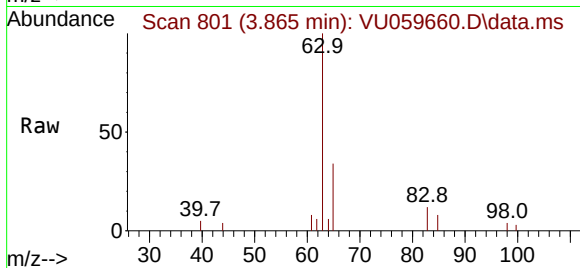
Tgt Ion: 63 Resp: 8743

Ion Ratio Lower Upper

63 100

65 33.9 21.8 40.6

83 12.3 9.9 18.5



#22

cis-1,2-Dichloroethene

Concen: 0.185 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU059660.D

Acq: 29 Jun 2024 06:58

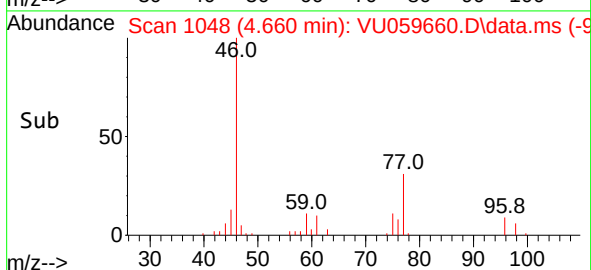
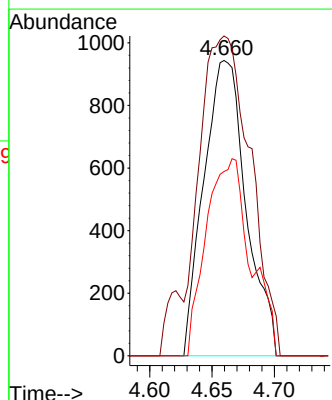
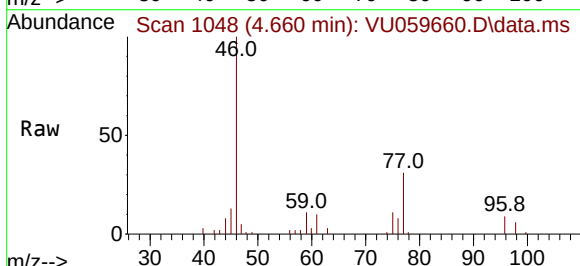
Tgt Ion: 96 Resp: 2233

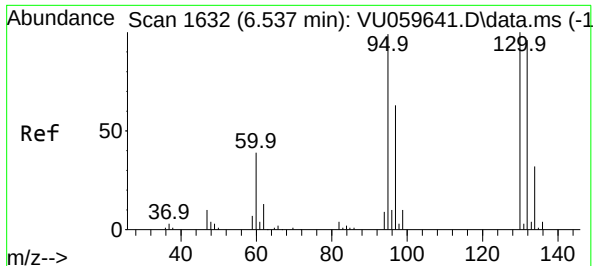
Ion Ratio Lower Upper

96 100

61 108.3 87.4 162.2

98 62.4 42.3 78.5

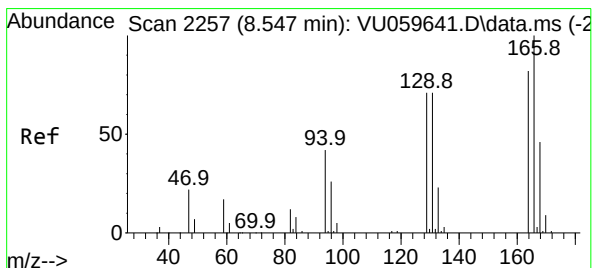
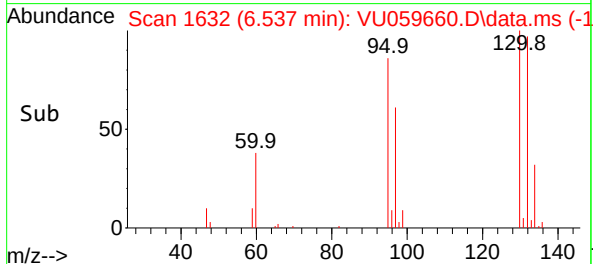
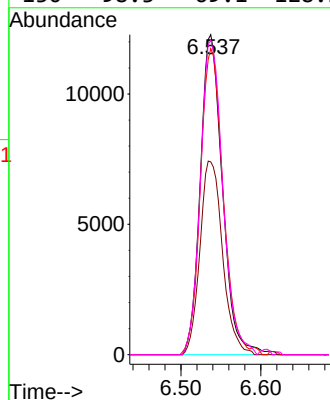
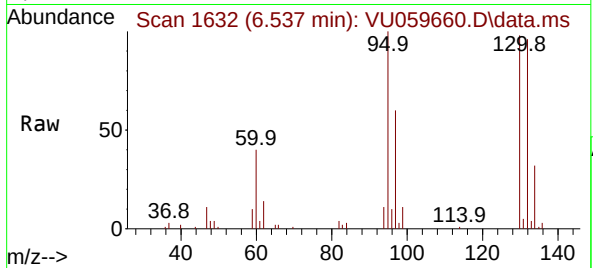




#34
Trichloroethene
Concen: 1.843 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU059660.D
Acq: 29 Jun 2024 06:58

Instrument :
MSVOA_U
ClientSampleId :
GCL31

Tgt Ion: 95 Resp: 23679
Ion Ratio Lower Upper
95 100
97 60.2 45.3 84.1
132 95.6 64.0 119.0
130 98.3 69.1 128.3



#47
Tetrachloroethene
Concen: 0.438 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU059660.D
Acq: 29 Jun 2024 06:58

Tgt Ion: 164 Resp: 4365
Ion Ratio Lower Upper
164 100
129 81.4 70.8 131.4
131 80.2 64.8 120.3
166 111.6 91.1 169.1

