

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050624\
 Data File : VU058829.D
 Acq On : 06 May 2024 13:02
 Operator : MD/SY
 Sample : P2392-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHAQ5

Quant Time: May 07 01:10:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 07 01:07:14 2024
 Response via : Initial Calibration

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

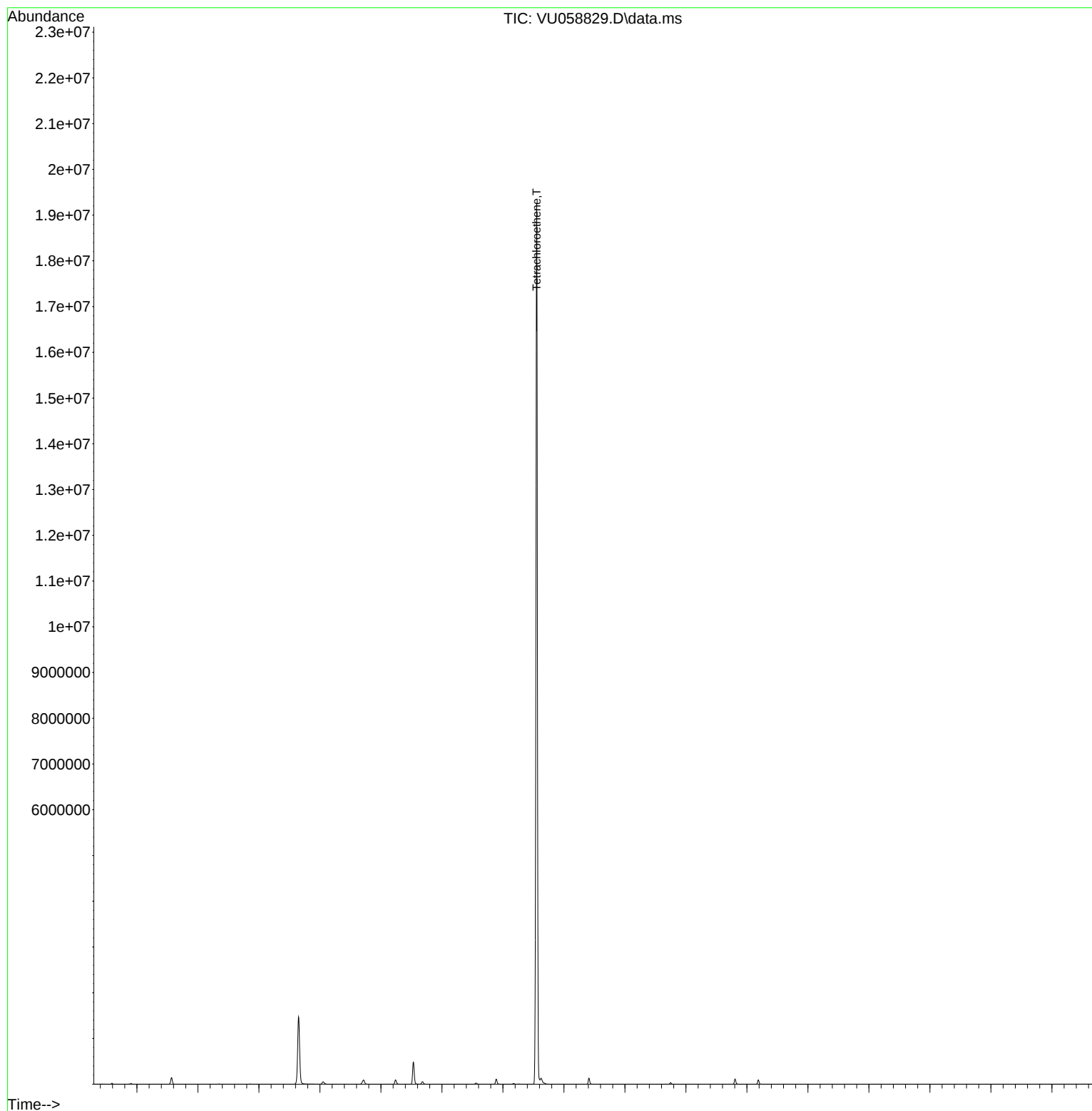
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	74029	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	71472	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	32126	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	15481	2.659	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.200%
7) Chloroethane-d5	1.904	69	12890	2.938	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	58.800%#
11) 1,1-Dichloroethene-d2	2.557	65	10041	3.425	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.400%
20) 2-Butanone-d5	4.615	46	39498	38.607	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.220%
24) Chloroform-d	5.049	84	48971	4.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	5.689	65	24907	4.317	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
32) Benzene-d6	5.718	84	85245	3.747	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.000%
36) 1,2-Dichloropropane-d6	6.682	67	24466	3.606	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.200%
41) Toluene-d8	7.891	98	74750	3.671	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.400%
43) trans-1,3-Dichloroprop...	8.174	79	9459	3.829	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.600%
46) 2-Hexanone-d5	8.627	63	29172	39.850	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.700%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	15946	3.858	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	25470	4.549	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
5) Vinyl chloride	1.596	62	1281	0.199	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	1747	0.291	ug/L	92
12) 1,1-Dichloroethene	2.570	96	35497	6.584	ug/L	89
18) trans-1,2-Dichloroethene	3.345	96	1781	0.330	ug/L	98
19) 1,1-Dichloroethane	3.856	63	5721	0.500	ug/L	95
22) cis-1,2-Dichloroethene	4.650	96	737093	124.255	ug/L	97
25) Chloroform	5.074	83	7554	0.635	ug/L	100
34) Trichloroethene	6.531	95	161377	23.984	ug/L	97
47) Tetrachloroethene	8.553	164	3975399	841.854	ug/L	98

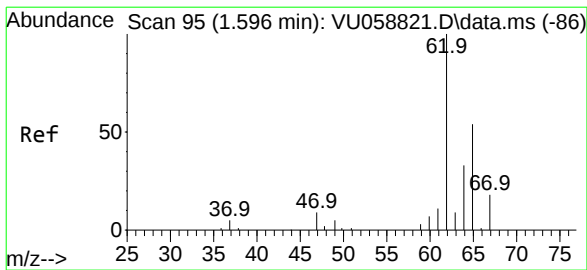
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue May 07 01:07:14 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.199 ug/L

RT: 1.596 min Scan# 95

Delta R.T. -0.000 min

Lab File: VU058829.D

Acq: 06 May 2024 13:02

Instrument :

MSVOA_U

ClientSampleId :

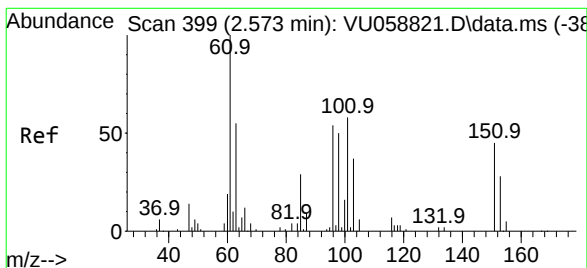
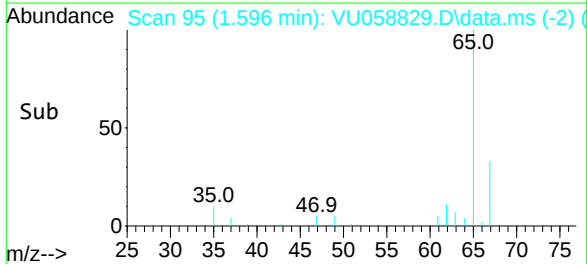
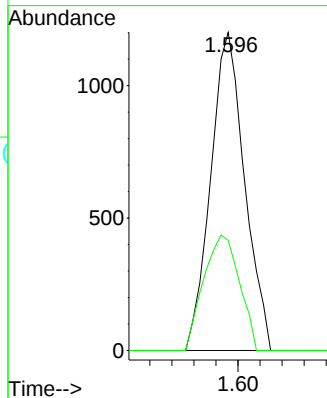
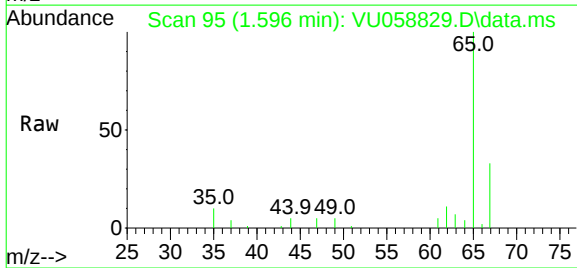
BHAQ5

Tgt Ion: 62 Resp: 1281

Ion Ratio Lower Upper

62 100

64 34.6 23.8 44.2



#10

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

Concen: 0.291 ug/L

RT: 2.563 min Scan# 396

Delta R.T. -0.010 min

Lab File: VU058829.D

Acq: 06 May 2024 13:02

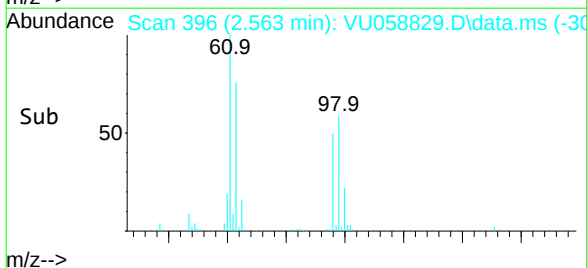
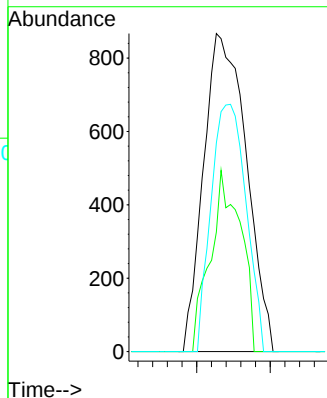
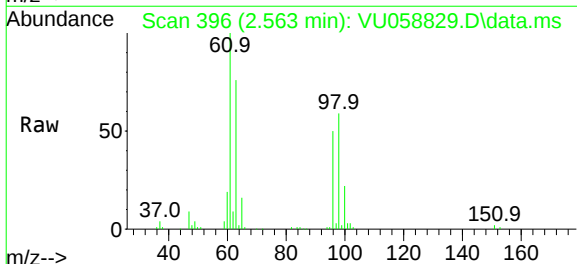
Tgt Ion: 101 Resp: 1747

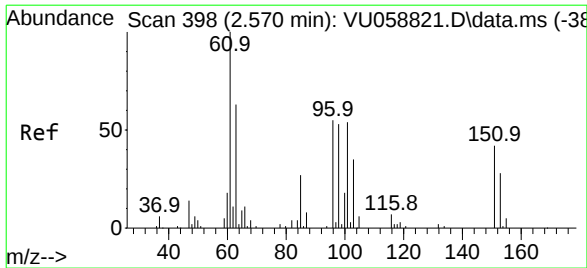
Ion Ratio Lower Upper

101 100

85 40.8 36.7 55.1

151 63.7 56.6 84.8

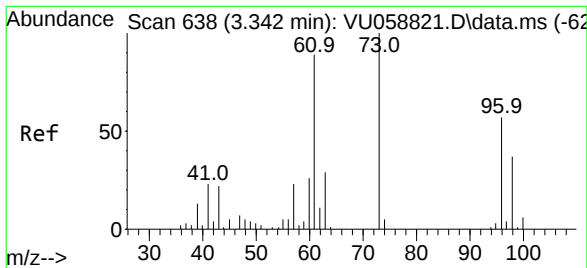
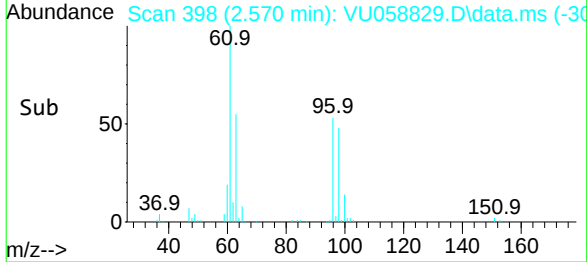
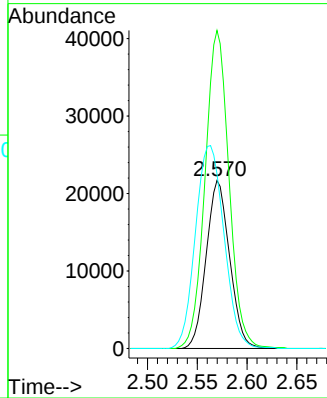
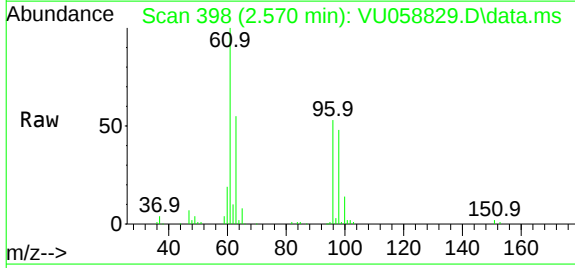




#12
1,1-Dichloroethene
Concen: 6.584 ug/L
RT: 2.570 min Scan# 39
Delta R.T. -0.000 min
Lab File: VU058829.D
Acq: 06 May 2024 13:02

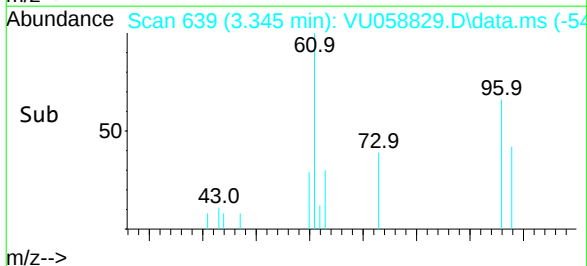
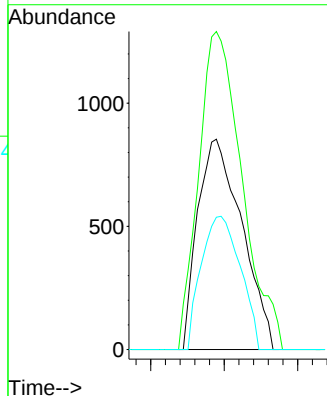
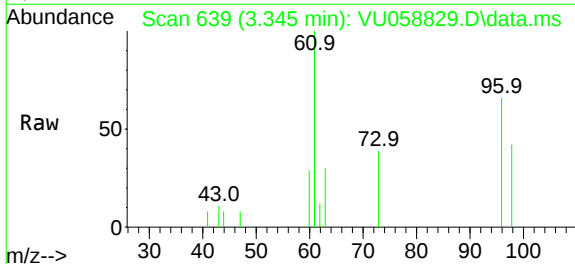
Instrument :
MSVOA_U
ClientSampleId :
BHAQ5

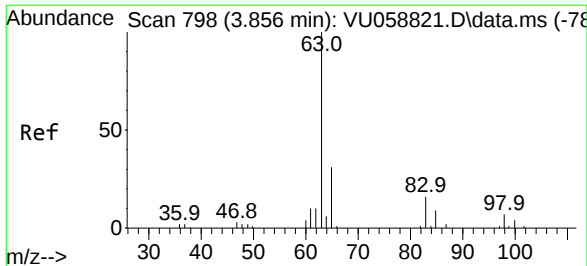
Tgt Ion: 96 Resp: 35497
Ion Ratio Lower Upper
96 100
61 189.4 135.3 251.3
63 103.9 91.9 170.7



#18
trans-1,2-Dichloroethene
Concen: 0.330 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.003 min
Lab File: VU058829.D
Acq: 06 May 2024 13:02

Tgt Ion: 96 Resp: 1781
Ion Ratio Lower Upper
96 100
61 151.2 108.6 201.8
98 62.9 44.4 82.4

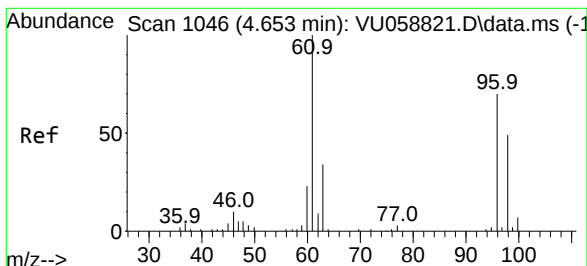
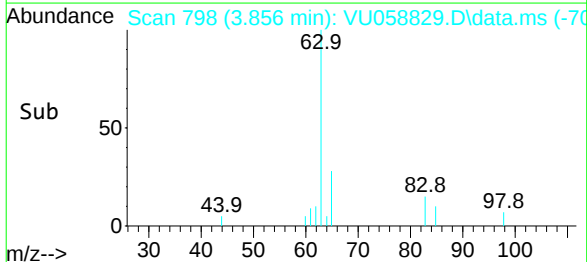
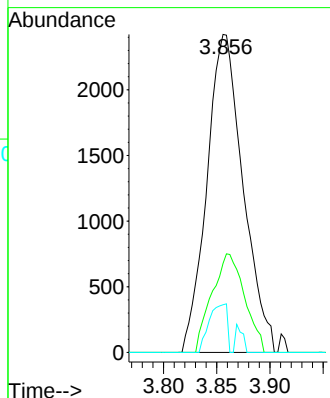
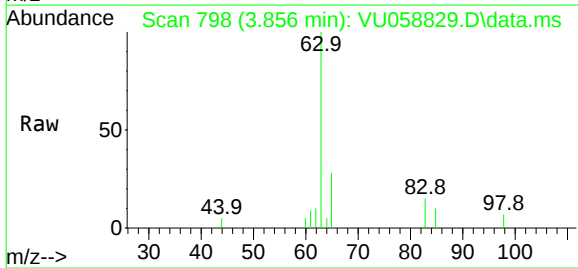




#19
1,1-Dichloroethane
Concen: 0.500 ug/L
RT: 3.856 min Scan# 798
Delta R.T. -0.000 min
Lab File: VU058829.D
Acq: 06 May 2024 13:02

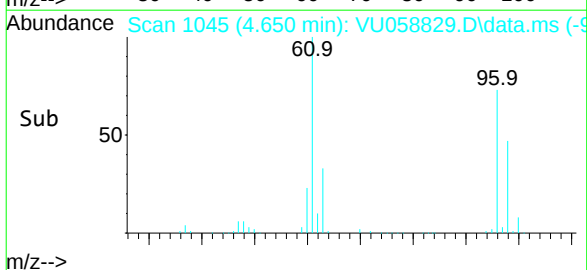
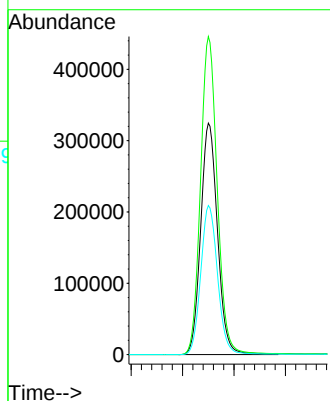
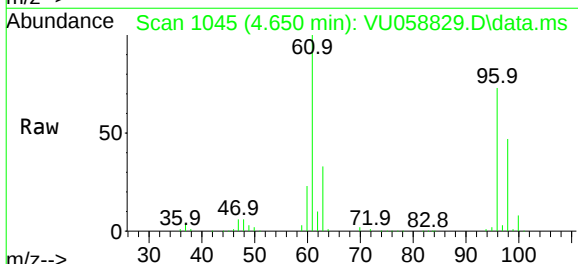
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MSVOA_U
ClientSampleId :
BHAQ5

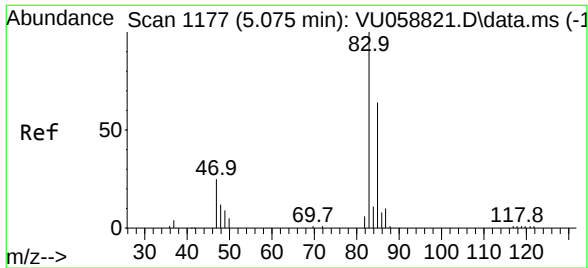
Tgt Ion: 63	Resp: 5721
Ion Ratio	Lower Upper
63 100	
65 28.0	21.6 40.2
83 15.0	9.5 17.7



#22
cis-1,2-Dichloroethene
Concen: 124.255 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.003 min
Lab File: VU058829.D
Acq: 06 May 2024 13:02

Tgt Ion: 96	Resp: 737093
Ion Ratio	Lower Upper
96 100	
61 137.4	100.4 186.4
98 64.4	45.1 83.7

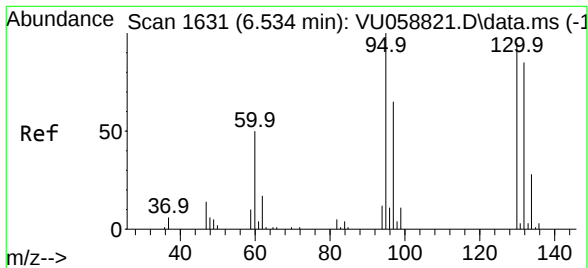
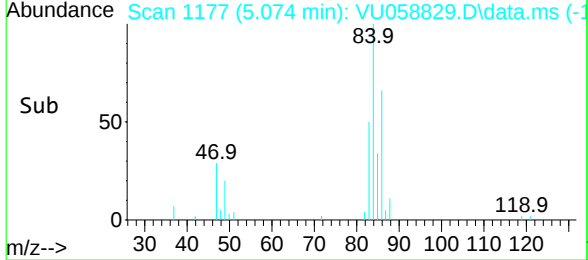
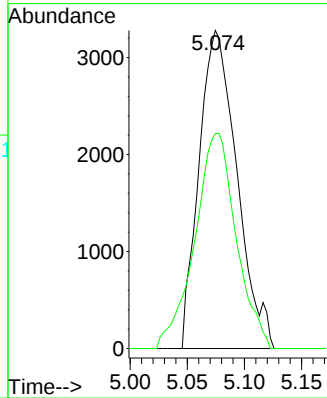
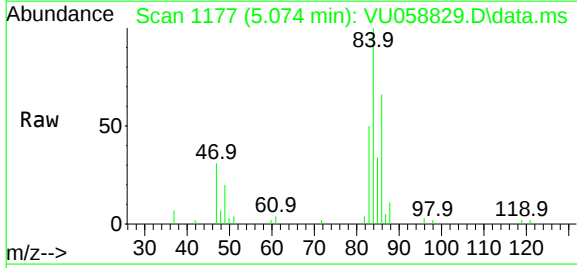




#25
 Chloroform
 Concen: 0.635 ug/L
 RT: 5.074 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: VU058829.D
 Acq: 06 May 2024 13:02

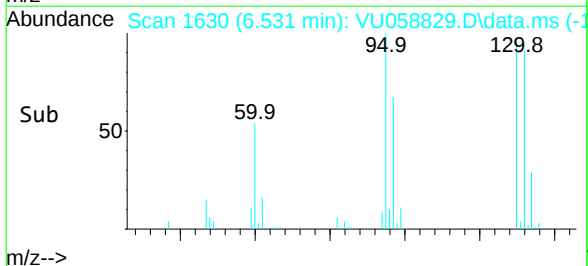
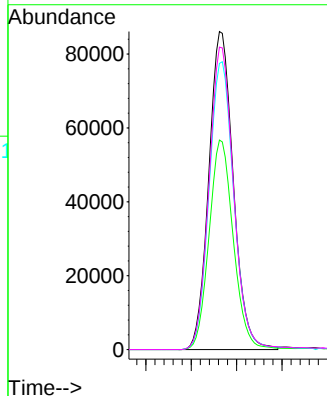
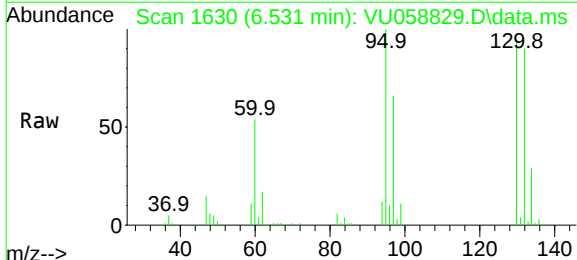
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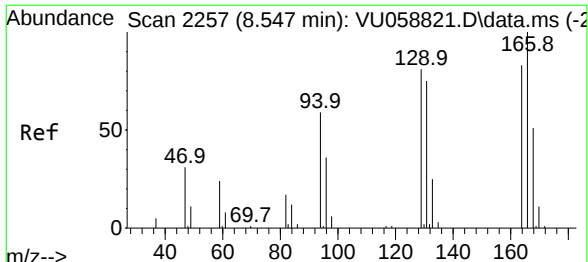
Tgt Ion:	83	Resp:	7554
Ion	Ratio	Lower	Upper
83	100		
85	67.6	47.0	87.4



#34
 Trichloroethene
 Concen: 23.984 ug/L
 RT: 6.531 min Scan# 1630
 Delta R.T. -0.003 min
 Lab File: VU058829.D
 Acq: 06 May 2024 13:02

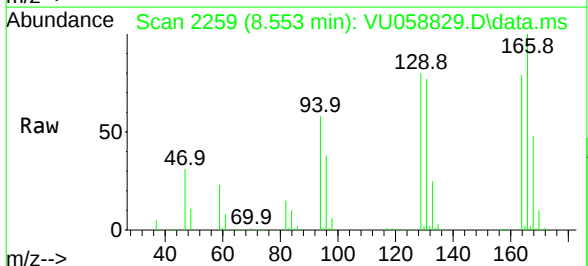
Tgt Ion:	95	Resp:	161377
Ion	Ratio	Lower	Upper
95	100		
97	65.9	44.4	82.4
132	90.0	61.6	114.4
130	95.1	64.0	119.0





#47
 Tetrachloroethene
 Concen: 841.854 ug/L
 RT: 8.553 min Scan# 2259
 Delta R.T. 0.006 min
 Lab File: VU058829.D
 Acq: 06 May 2024 13:02

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:164 Resp: 3975399

Ion	Ratio	Lower	Upper
164	100		
129	101.3	71.5	132.9
131	98.6	65.0	120.6
166	127.3	89.5	166.1

