

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091724\
 Data File : VU060828.D
 Acq On : 17 Sep 2024 13:16
 Operator : MD/SY
 Sample : P3952-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 18 01:17:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 18 01:15:55 2024
 Response via : Initial Calibration

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

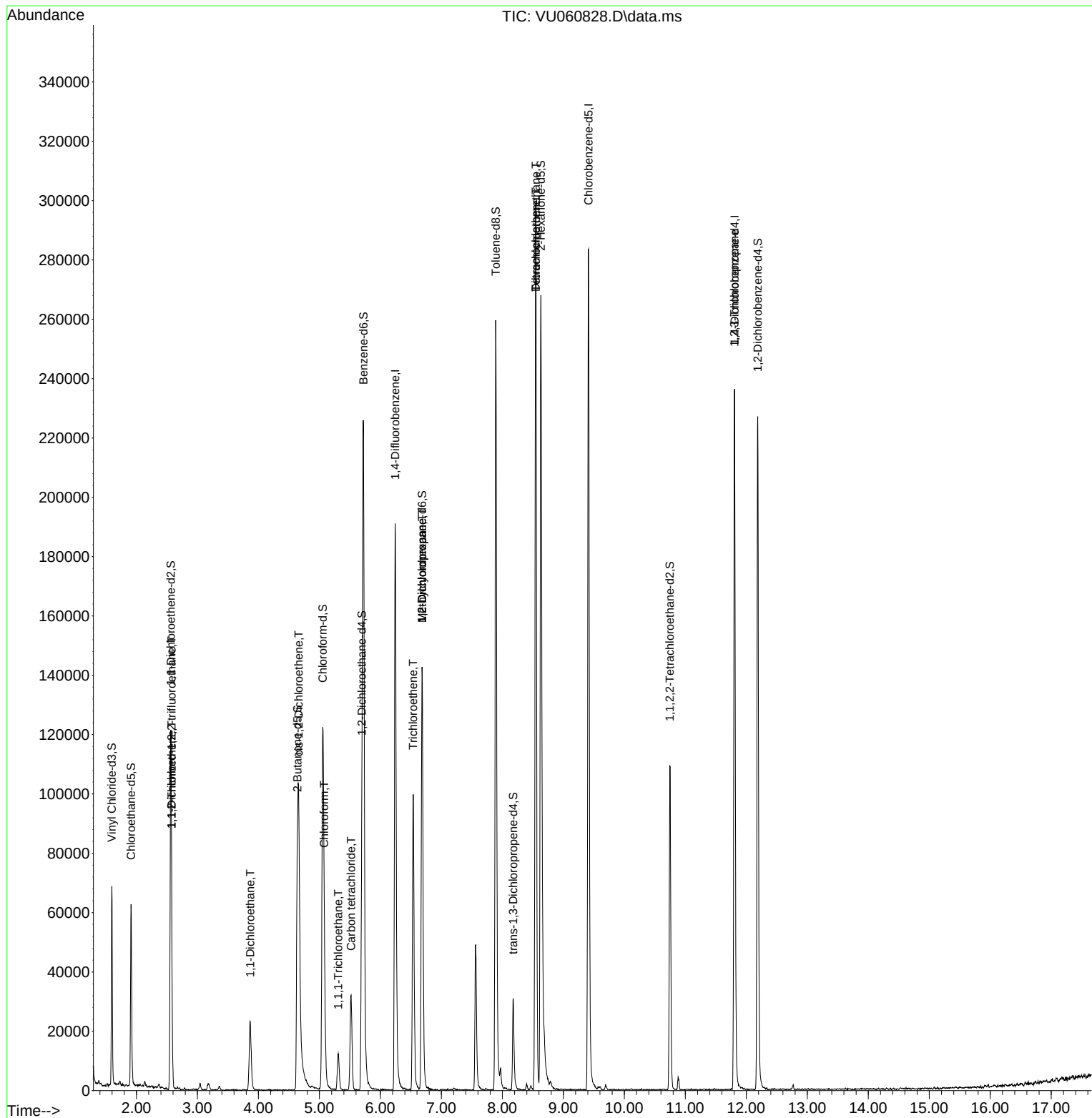
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	168846	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	179419	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	71879	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	48152	3.171	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.400%
7) Chloroethane-d5	1.911	69	45554	4.213	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.563	65	21438	3.983	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.637	46	131160	53.798	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.600%
24) Chloroform-d	5.055	84	115979	4.996	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.695	65	56877	5.125	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	5.721	84	225876	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.682	67	75740	5.091	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.891	98	189481	4.322	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.177	79	20055	3.745	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.800%
46) 2-Hexanone-d5	8.631	63	99385	47.042	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.080%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	61085	5.240	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	66959	5.544	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.800%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	6545	0.563	ug/L	91
12) 1,1-Dichloroethene	2.576	96	2161	0.203	ug/L #	1
19) 1,1-Dichloroethane	3.866	63	27881	1.262	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	29695	2.438	ug/L	95
25) Chloroform	5.078	83	27352	1.187	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	9385	0.485	ug/L	96
31) Carbon tetrachloride	5.518	117	22805	1.330	ug/L	98
34) Trichloroethene	6.538	95	35136	2.717	ug/L	94
35) Methylcyclohexane	6.682	83	17151	0.967	ug/L #	19
37) 1,2-Dichloropropane	6.682	63	7968	0.586	ug/L #	93
47) Tetrachloroethene	8.547	164	71016	6.910	ug/L	99
49) Dibromochloromethane	8.547	129	67772	6.066	ug/L #	9
61) 1,2,3-Trichloropropane	11.804	75	7219	1.077	ug/L #	66

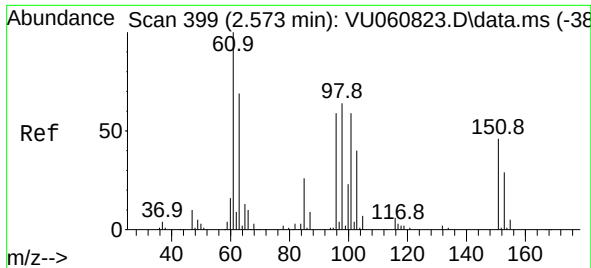
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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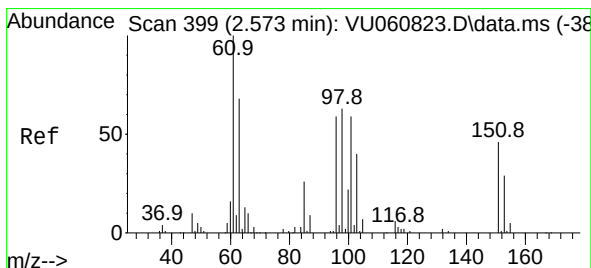
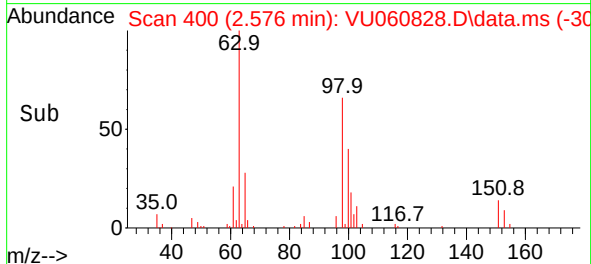
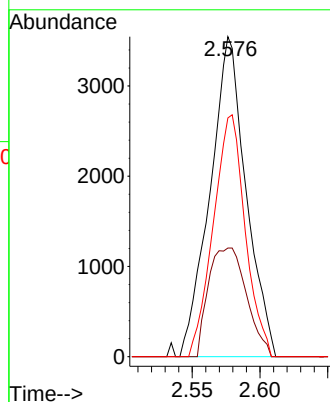
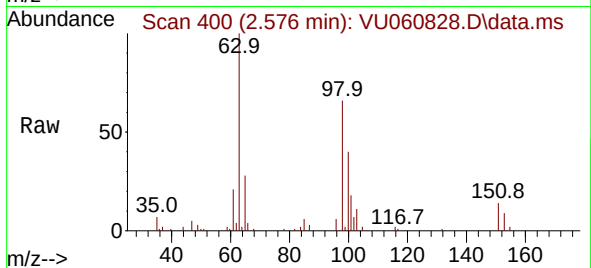




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.563 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU060828.D
Acq: 17 Sep 2024 13:16

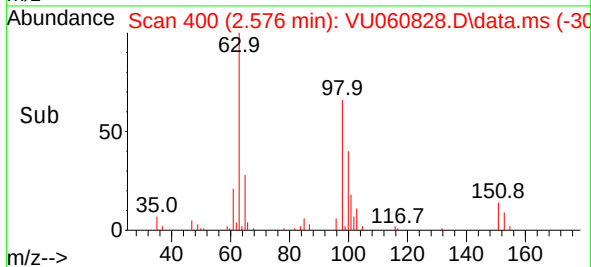
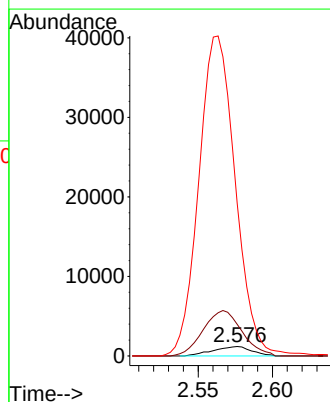
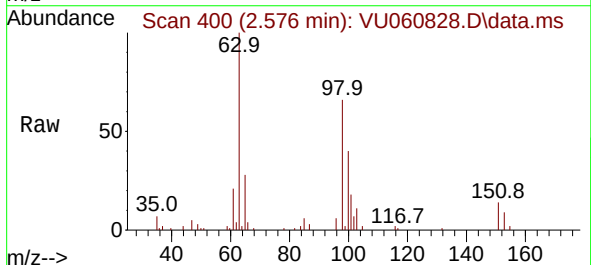
Instrument :
MSVOA_U
ClientSampleId :

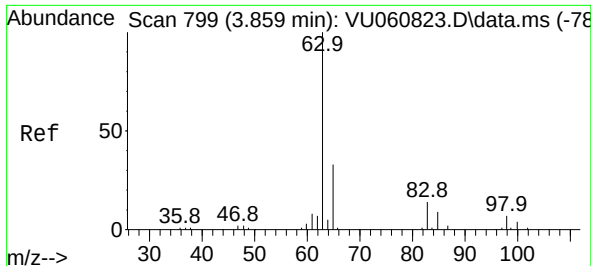
Tgt Ion:101 Resp: 6545
Ion Ratio Lower Upper
101 100
85 35.9 34.2 51.4
151 67.1 58.6 88.0



#12
1,1-Dichloroethene
Concen: 0.203 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU060828.D
Acq: 17 Sep 2024 13:16

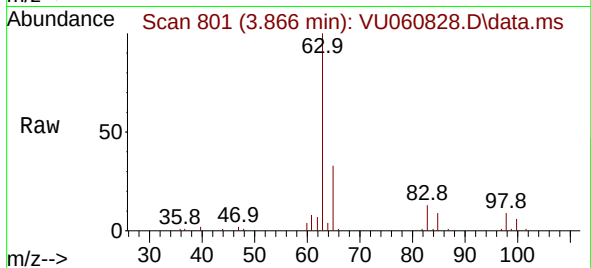
Tgt Ion: 96 Resp: 2161
Ion Ratio Lower Upper
96 100
61 334.2 120.7 224.1#
63 1611.4 90.0 167.2#



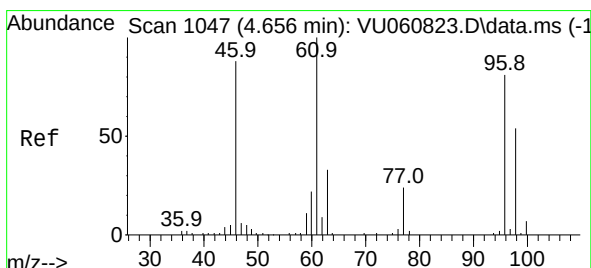
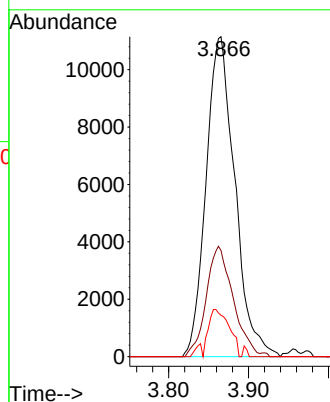
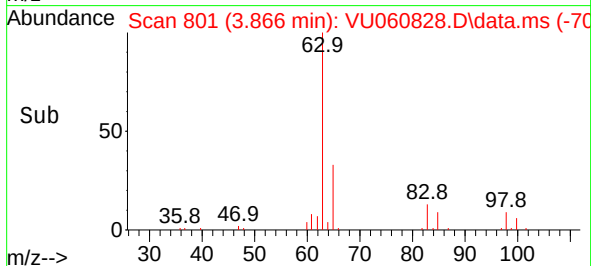


#19
1,1-Dichloroethane
Concen: 1.262 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.007 min
Lab File: VU060828.D
Acq: 17 Sep 2024 13:16

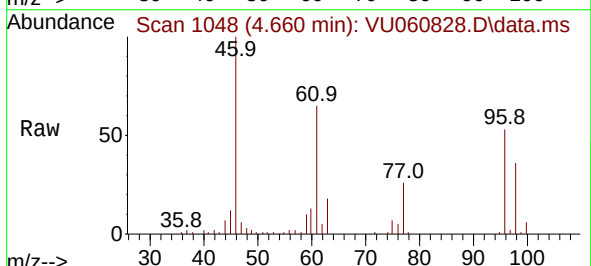
Instrument :
MSVOA_U
ClientSampleId :



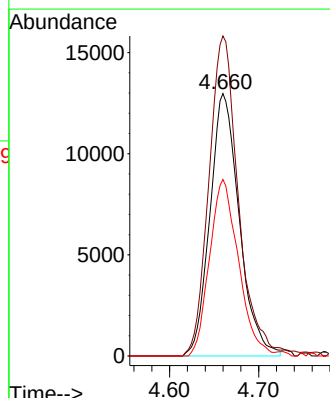
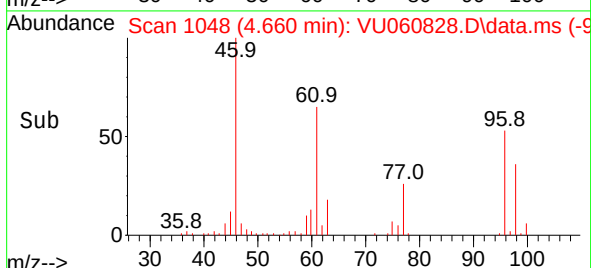
Tgt Ion: 63 Resp: 27881
Ion Ratio Lower Upper
63 100
65 33.2 23.0 42.8
83 13.0 9.0 16.6

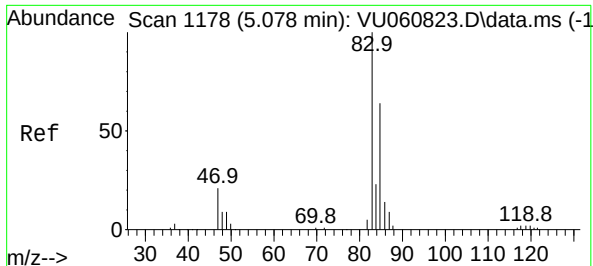


#22
cis-1,2-Dichloroethene
Concen: 2.438 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU060828.D
Acq: 17 Sep 2024 13:16



Tgt Ion: 96 Resp: 29695
Ion Ratio Lower Upper
96 100
61 121.9 89.7 166.5
98 67.2 45.1 83.9





#25

Chloroform

Concen: 1.187 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU060828.D

Acq: 17 Sep 2024 13:16

Instrument :

MSVOA_U

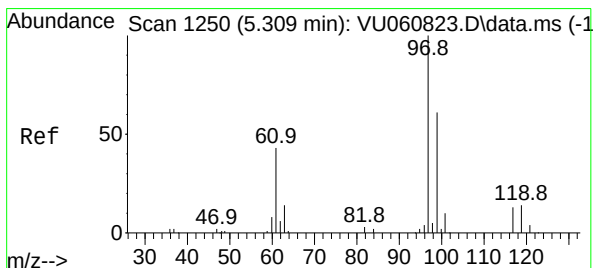
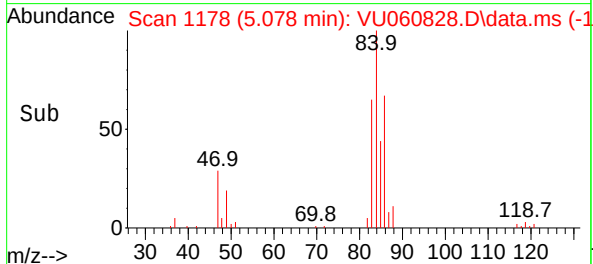
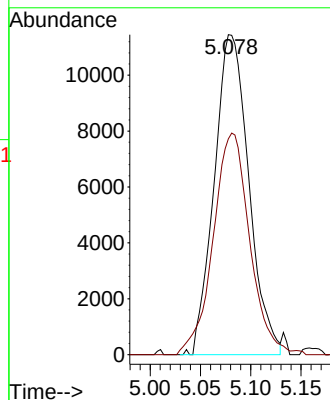
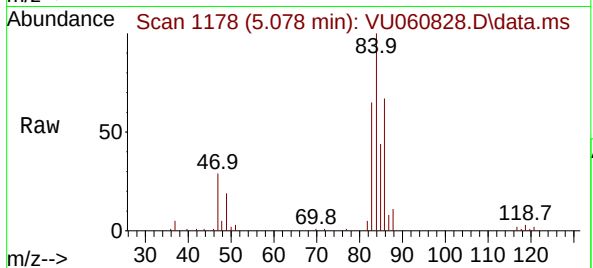
ClientSampleId :

Tgt Ion: 83 Resp: 27352

Ion Ratio Lower Upper

83 100

85 67.4 46.8 86.8



#29

1,1,1-Trichloroethane

Concen: 0.485 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU060828.D

Acq: 17 Sep 2024 13:16

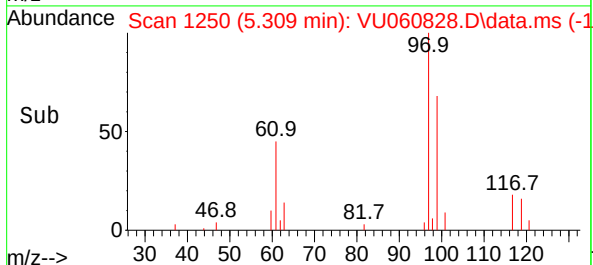
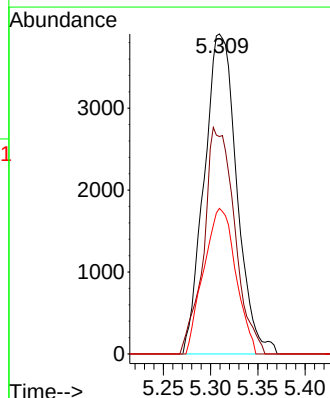
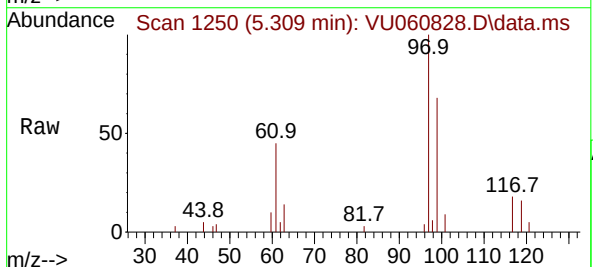
Tgt Ion: 97 Resp: 9385

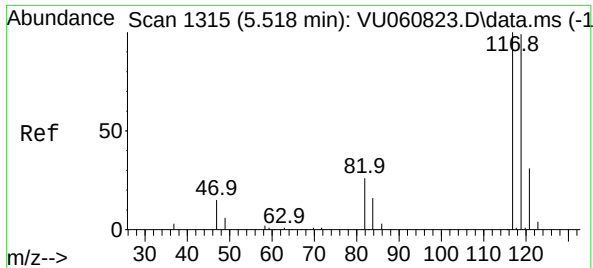
Ion Ratio Lower Upper

97 100

99 66.9 50.5 75.7

61 44.6 34.4 51.6

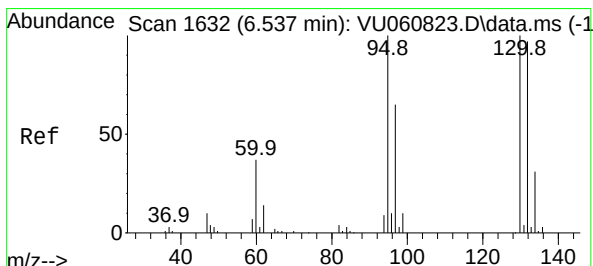
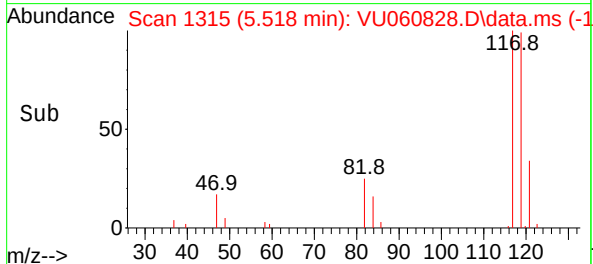
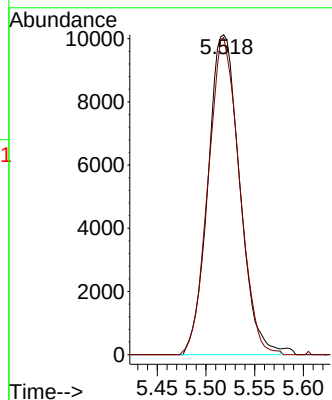
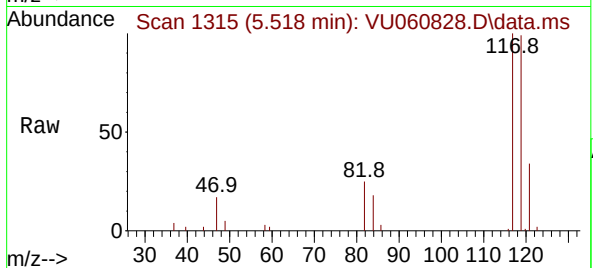




#31
Carbon tetrachloride
Concen: 1.330 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU060828.D
Acq: 17 Sep 2024 13:16

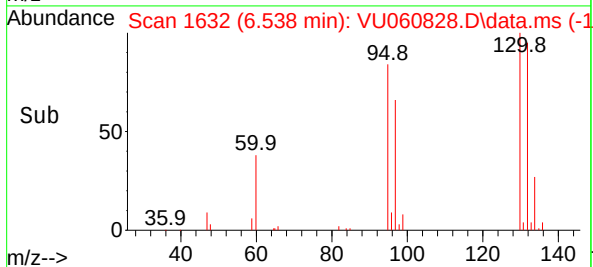
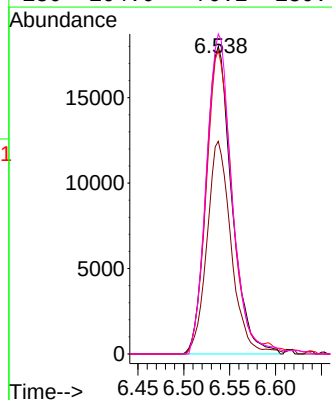
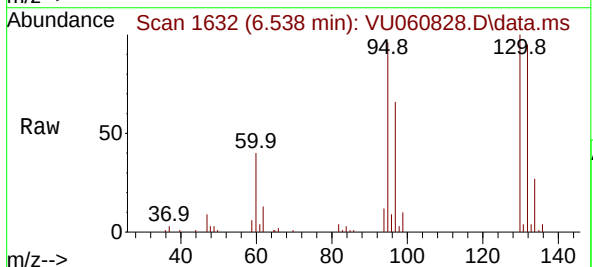
Instrument :
MSVOA_U
ClientSampleId :

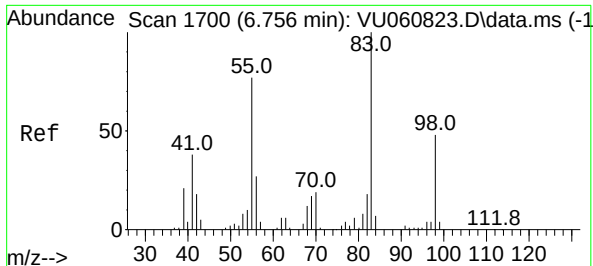
Tgt Ion:117 Resp: 22805
Ion Ratio Lower Upper
117 100
119 97.8 76.3 114.5



#34
Trichloroethene
Concen: 2.717 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU060828.D
Acq: 17 Sep 2024 13:16

Tgt Ion: 95 Resp: 35136
Ion Ratio Lower Upper
95 100
97 69.1 44.9 83.5
132 98.8 63.5 117.9
130 104.0 70.2 130.4





#35

Methylcyclohexane

Concen: 0.967 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU060828.D

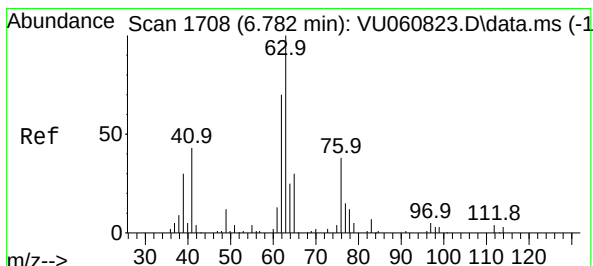
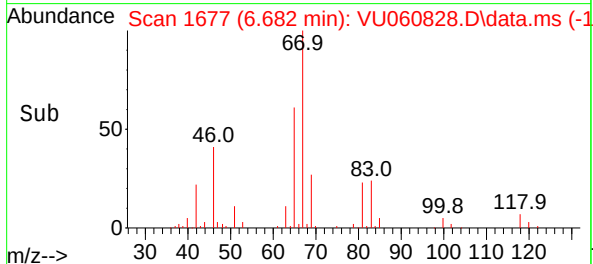
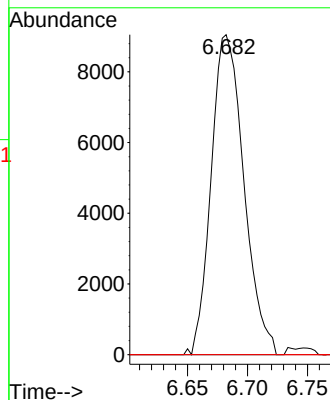
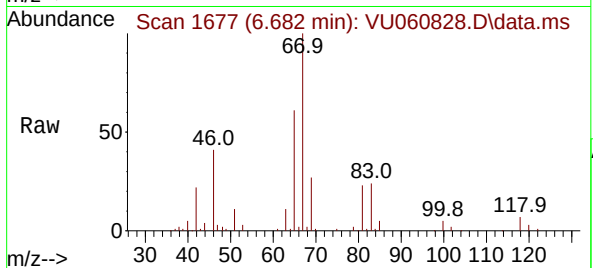
Acq: 17 Sep 2024 13:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 17151
Ion Ratio	Lower Upper
83	100
55	0.0 62.6 94.0#
98	3.1 37.6 56.4#



#37

1,2-Dichloropropane

Concen: 0.586 ug/L

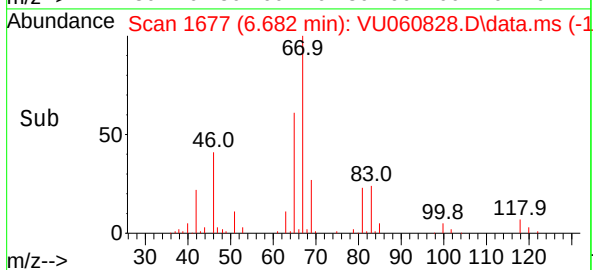
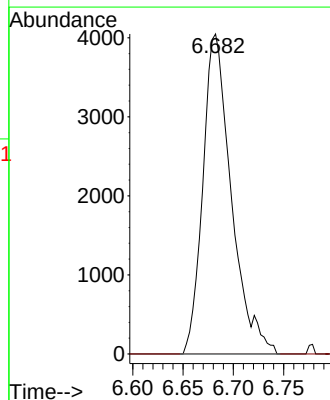
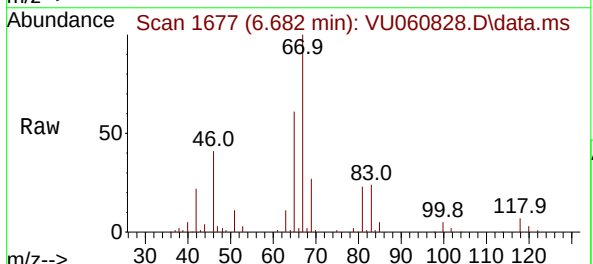
RT: 6.682 min Scan# 1677

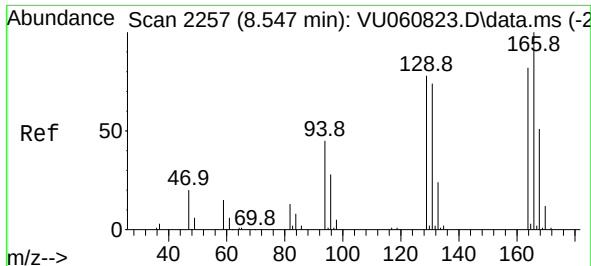
Delta R.T. -0.100 min

Lab File: VU060828.D

Acq: 17 Sep 2024 13:16

Tgt Ion: 63	Resp: 7968
Ion Ratio	Lower Upper
63	100
112	0.0 2.0 3.0#





#47

Tetrachloroethene

Concen: 6.910 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU060828.D

Acq: 17 Sep 2024 13:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 71016

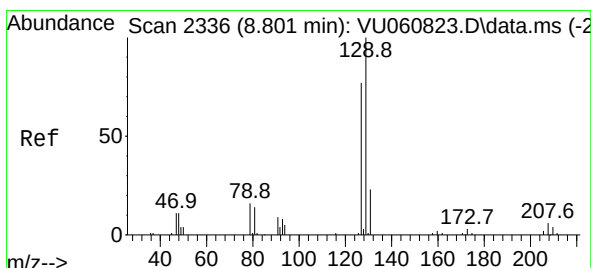
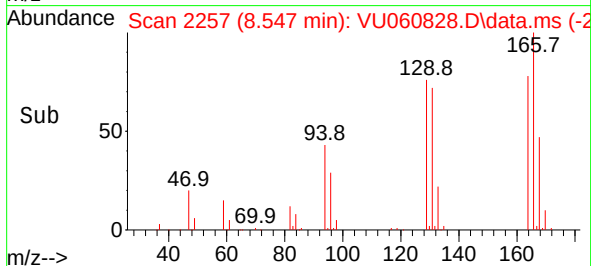
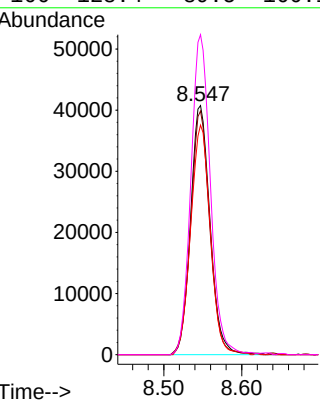
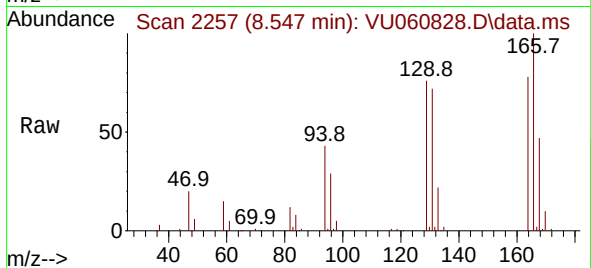
Ion Ratio Lower Upper

164 100

129 97.8 67.3 124.9

131 92.1 65.4 121.4

166 128.4 89.5 166.1



#49

Dibromochloromethane

Concen: 6.066 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.254 min

Lab File: VU060828.D

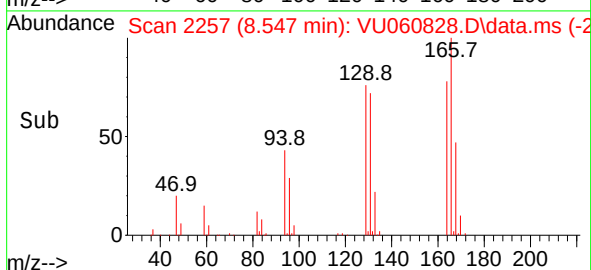
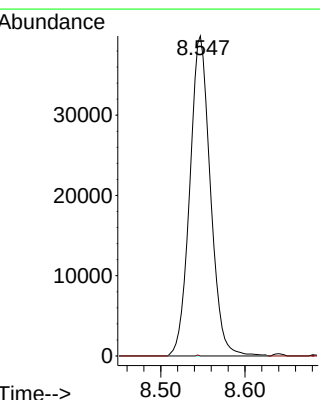
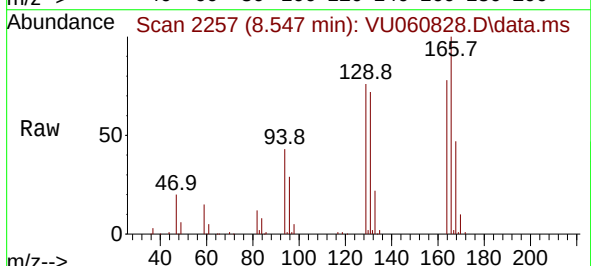
Acq: 17 Sep 2024 13:16

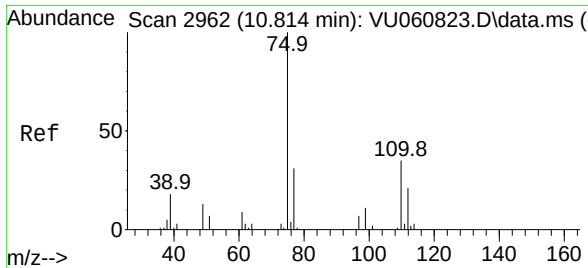
Tgt Ion:129 Resp: 67772

Ion Ratio Lower Upper

129 100

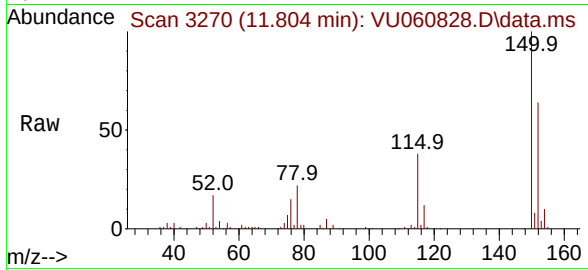
127 0.0 56.1 104.1#





#61
1,2,3-Trichloropropane
Concen: 1.077 ug/L
RT: 11.804 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU060828.D
Acq: 17 Sep 2024 13:16

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	75	Resp:	7219
Ion	Ratio	Lower	Upper
75	100		
110	0.0	28.6	43.0#
77	35.6	26.3	39.5

