

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091624\
 Data File : VU060815.D
 Acq On : 17 Sep 2024 06:20
 Operator : MD/SY
 Sample : P3952-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 06:38:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 17 02:49:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	138708	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	139916	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	56825	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	21415	1.717	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	34.400%#
7) Chloroethane-d5	1.911	69	27052	3.046	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	61.000%#
11) 1,1-Dichloroethene-d2	2.563	65	10975	2.482	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.600%#
20) 2-Butanone-d5	4.634	46	90710	45.291	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.580%
24) Chloroform-d	5.055	84	72582	3.806	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.200%
26) 1,2-Dichloroethane-d4	5.698	65	39045	4.283	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
32) Benzene-d6	5.721	84	131361	3.503	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.000%
36) 1,2-Dichloropropane-d6	6.682	67	47904	4.129	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.600%
41) Toluene-d8	7.891	98	100682	2.945	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	58.800%#
43) trans-1,3-Dichloroprop...	8.174	79	9720	2.327	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	46.600%#
46) 2-Hexanone-d5	8.628	63	68822	41.773	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.540%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	40677	4.475	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	37813	3.960	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.200%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	3810	0.399	ug/L #	68
12) 1,1-Dichloroethene	2.576	96	89417	10.248	ug/L #	73
16) Methylene chloride	3.039	84	2128	0.211	ug/L	81
18) trans-1,2-Dichloroethene	3.354	96	1922	0.213	ug/L	74
19) 1,1-Dichloroethane	3.862	63	70521	3.885	ug/L	94
22) cis-1,2-Dichloroethene	4.657	96	156581	15.648	ug/L	97
25) Chloroform	5.081	83	3389	0.179	ug/L	97
29) 1,1,1-Trichloroethane	5.313	97	16296	1.079	ug/L	97
31) Carbon tetrachloride	5.309	117	2266	0.169	ug/L	88
34) Trichloroethene	6.534	95	219284	21.743	ug/L	93
35) Methylcyclohexane	6.685	83	11187	0.809	ug/L #	17
37) 1,2-Dichloropropane	6.679	63	4967	0.469	ug/L #	93
42) Toluene	7.968	91	24952	0.620	ug/L	97
45) 1,1,2-Trichloroethane	8.406	97	1105	0.144	ug/L	85
47) Tetrachloroethene	8.547	164	119009	14.849	ug/L	98
49) Dibromochloromethane	8.544	129	115895	13.302	ug/L #	9
53) m,p-Xylene	9.698	106	1690	0.105	ug/L	86
61) 1,2,3-Trichloropropane	11.804	75	6584	1.242	ug/L #	67
68) 1,2-Dibromo-3-chloropr...	12.897	75	862	0.833	ug/L #	1

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Response via : Initial Calibration

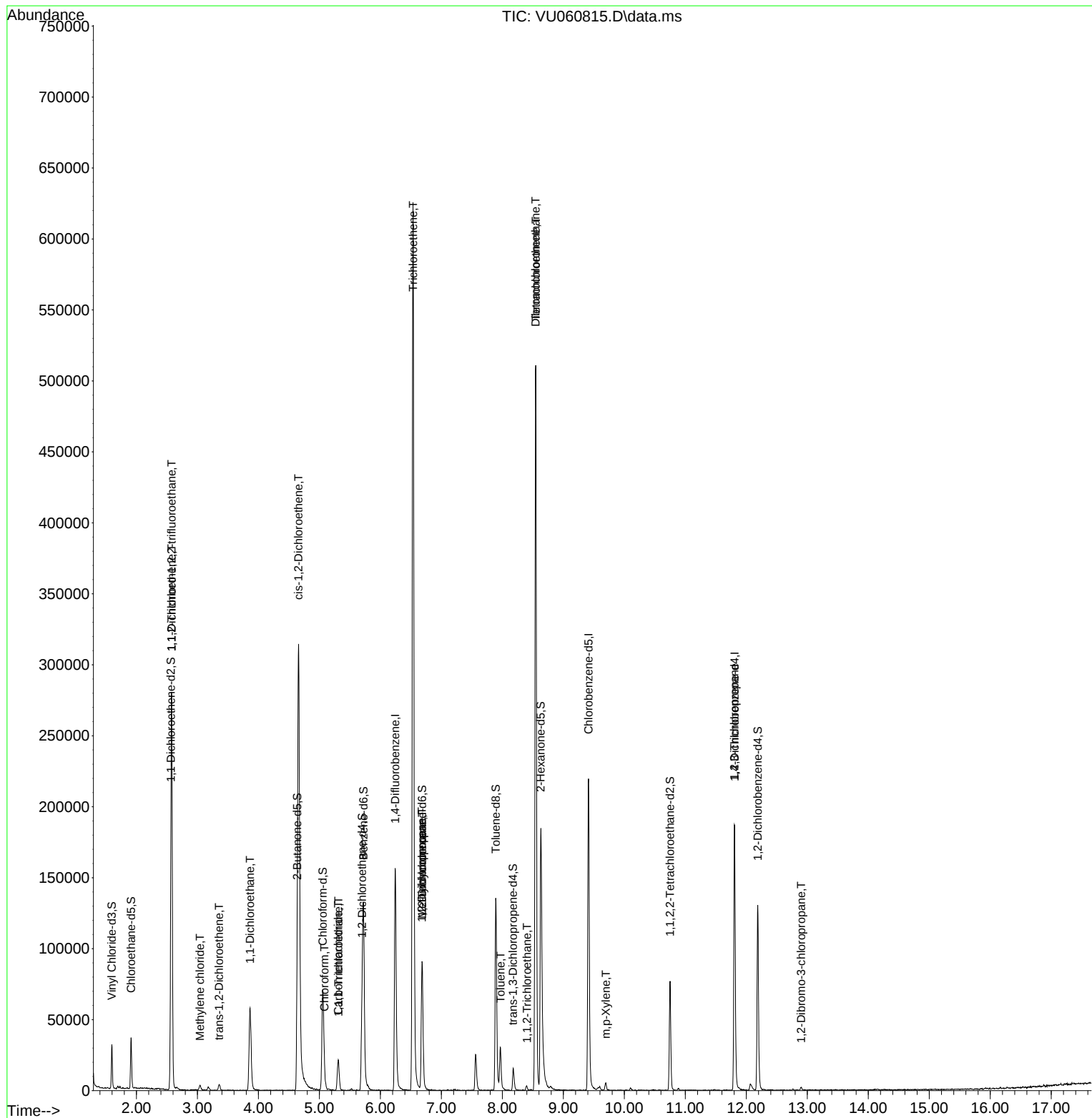
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

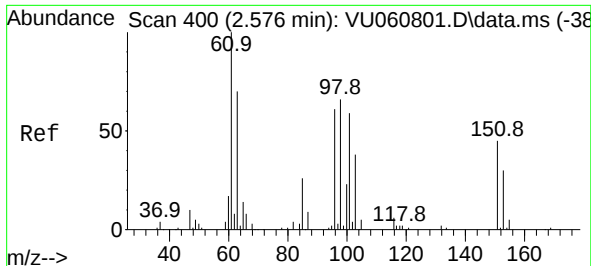
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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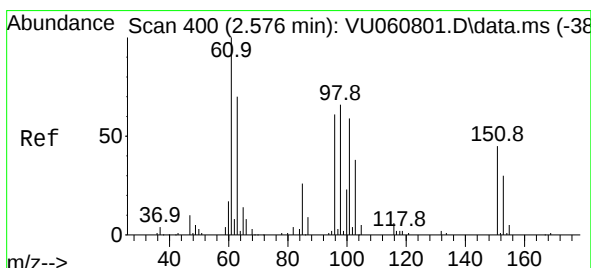
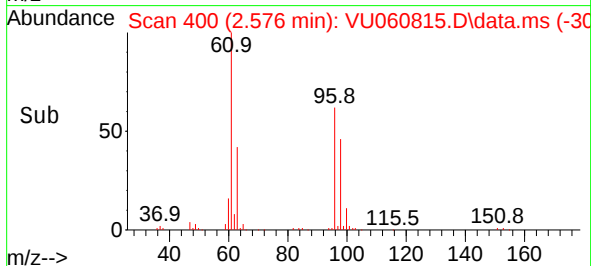
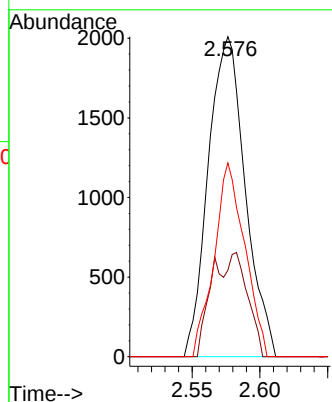
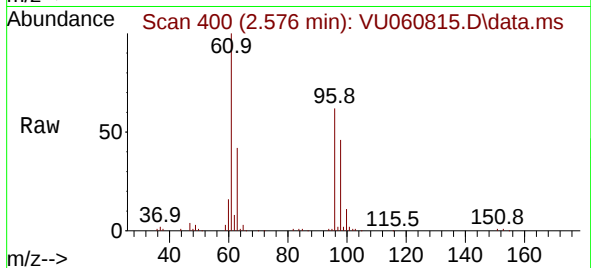




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.399 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU060815.D
 Acq: 17 Sep 2024 06:20

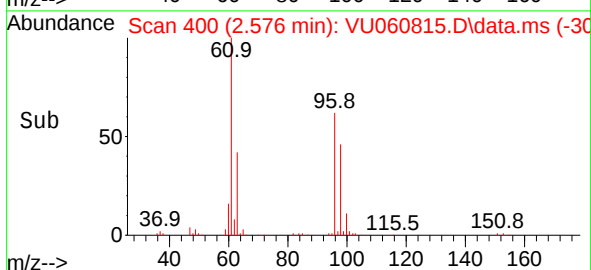
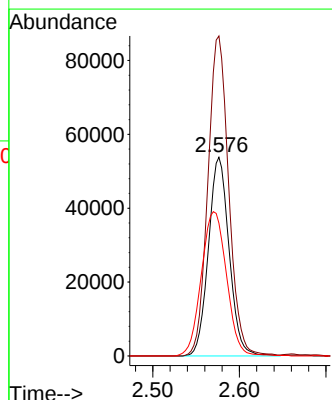
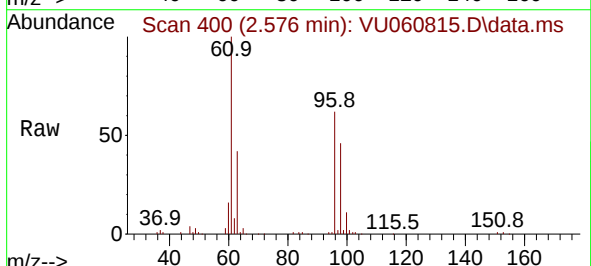
Instrument :
 MSVOA_U
 ClientSampleId :

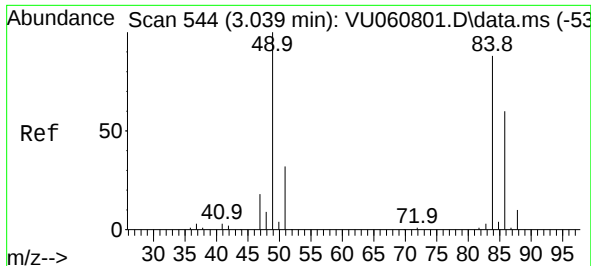
Tgt Ion:101 Resp: 3810
 Ion Ratio Lower Upper
 101 100
 85 18.1 34.2 51.4#
 151 50.1 58.6 88.0#



#12
 1,1-Dichloroethene
 Concen: 10.248 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU060815.D
 Acq: 17 Sep 2024 06:20

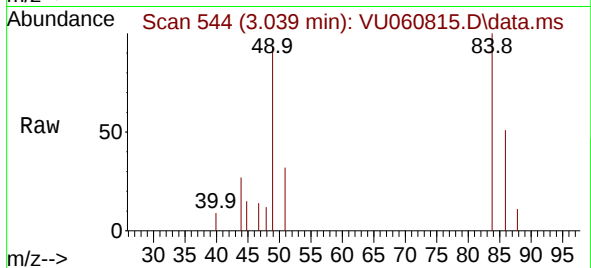
Tgt Ion: 96 Resp: 89417
 Ion Ratio Lower Upper
 96 100
 61 161.0 120.7 224.1
 63 66.9 90.0 167.2#



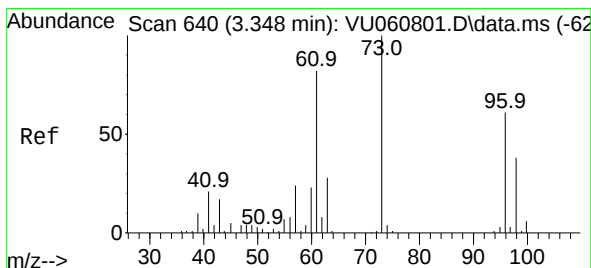
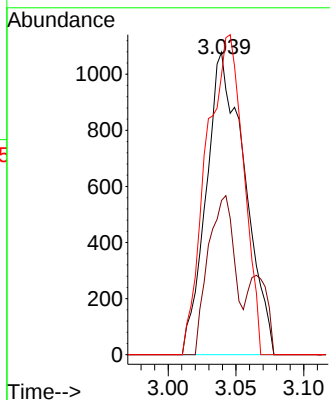
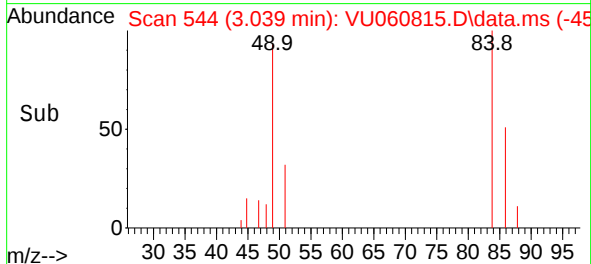


#16
Methylene chloride
Concen: 0.211 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU060815.D
Acq: 17 Sep 2024 06:20

Instrument :
MSVOA_U
ClientSampleId :

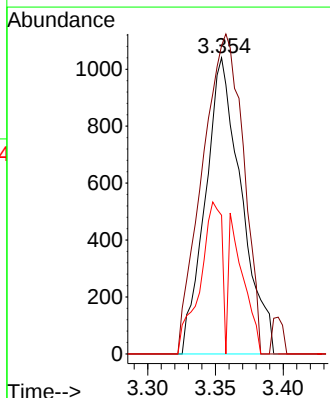
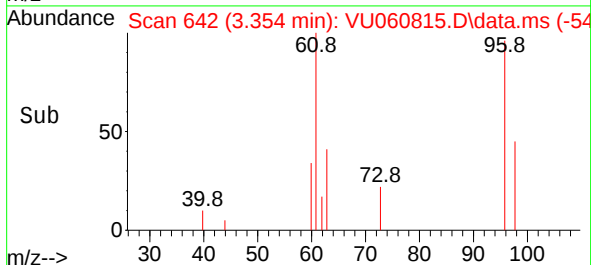
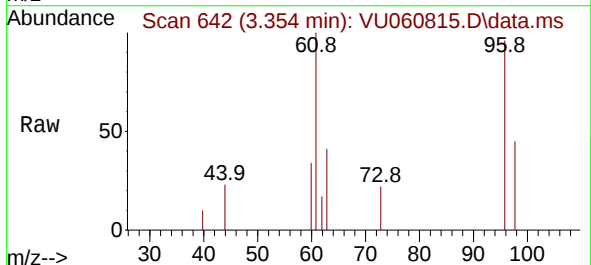


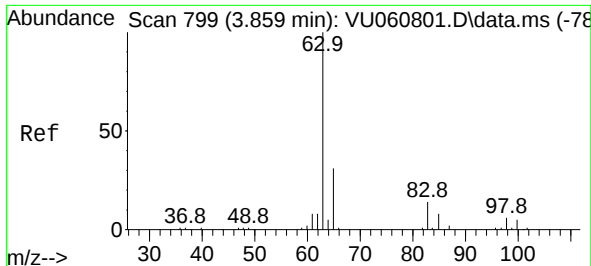
Tgt Ion: 84 Resp: 2128
Ion Ratio Lower Upper
84 100
86 51.0 47.3 87.8
49 92.7 78.7 146.1



#18
trans-1,2-Dichloroethene
Concen: 0.213 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU060815.D
Acq: 17 Sep 2024 06:20

Tgt Ion: 96 Resp: 1922
Ion Ratio Lower Upper
96 100
61 104.1 97.2 180.6
98 46.8 43.3 80.5





#19

1,1-Dichloroethane

Concen: 3.885 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU060815.D

Acq: 17 Sep 2024 06:20

Instrument :

MSVOA_U

ClientSampleId :

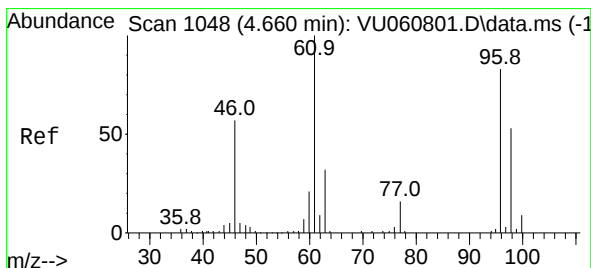
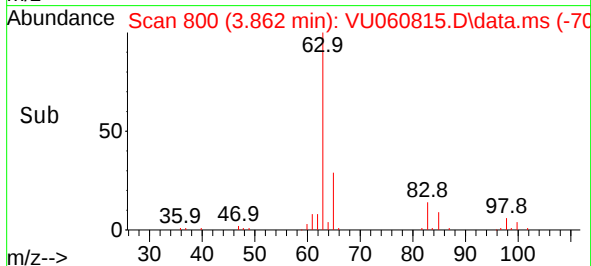
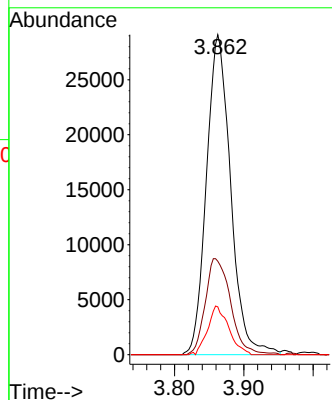
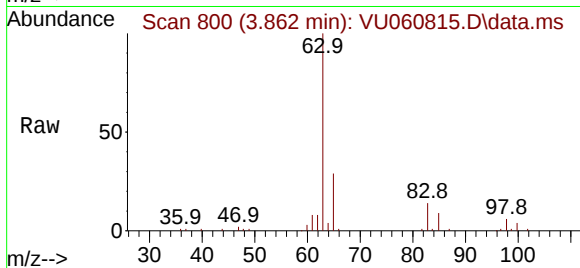
Tgt Ion: 63 Resp: 70521

Ion Ratio Lower Upper

63 100

65 29.2 23.0 42.8

83 14.9 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 15.648 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU060815.D

Acq: 17 Sep 2024 06:20

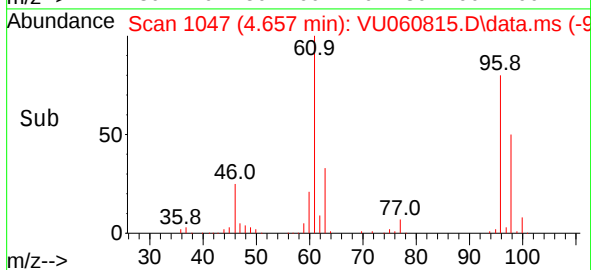
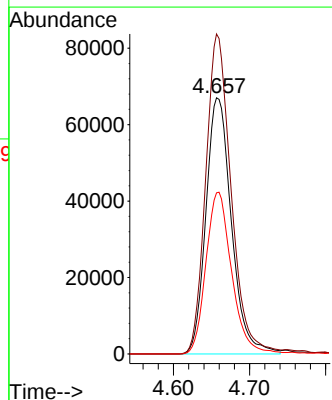
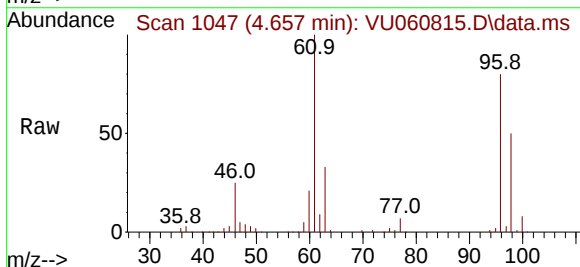
Tgt Ion: 96 Resp: 156581

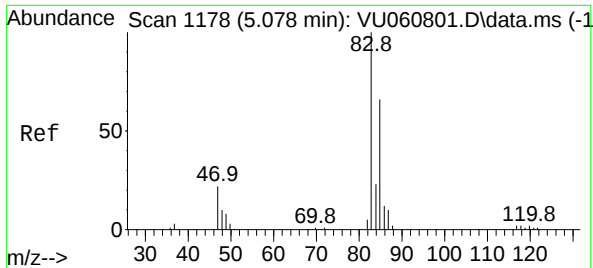
Ion Ratio Lower Upper

96 100

61 124.9 89.7 166.5

98 62.9 45.1 83.9





#25

Chloroform

Concen: 0.179 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU060815.D

Acq: 17 Sep 2024 06:20

Instrument :

MSVOA_U

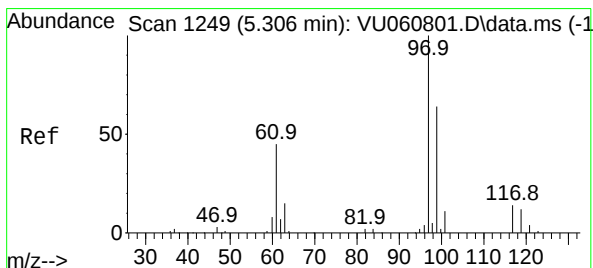
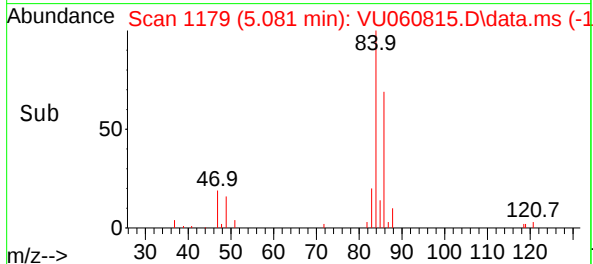
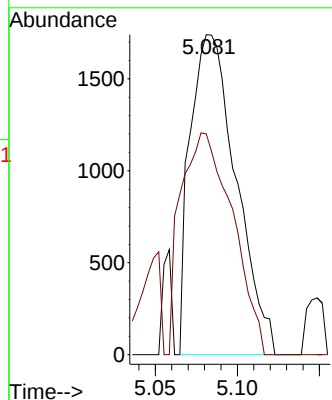
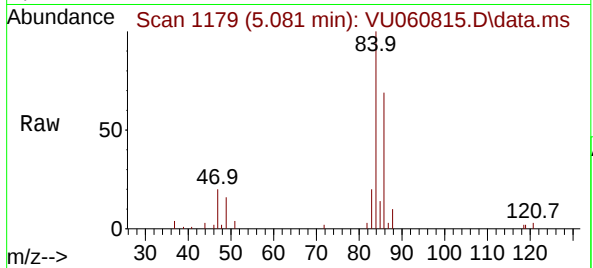
ClientSampleId :

Tgt Ion: 83 Resp: 3389

Ion Ratio Lower Upper

83 100

85 69.0 46.8 86.8



#29

1,1,1-Trichloroethane

Concen: 1.079 ug/L

RT: 5.313 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VU060815.D

Acq: 17 Sep 2024 06:20

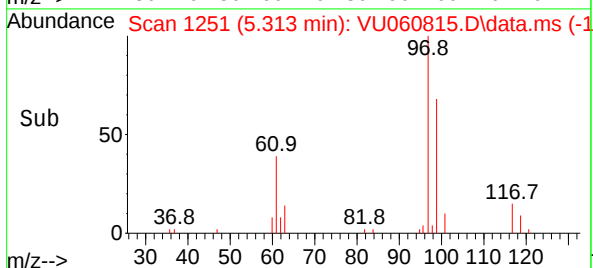
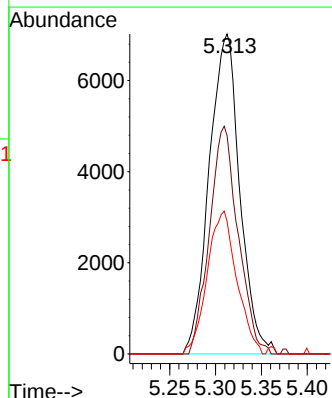
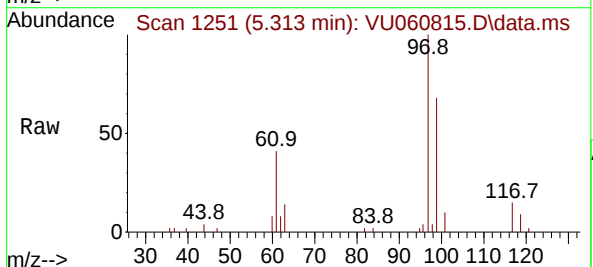
Tgt Ion: 97 Resp: 16296

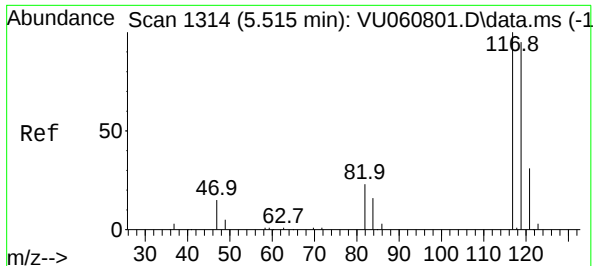
Ion Ratio Lower Upper

97 100

99 66.7 50.5 75.7

61 43.2 34.4 51.6

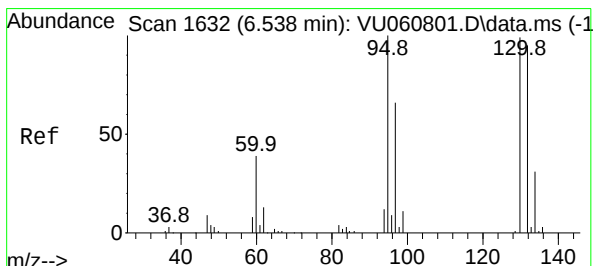
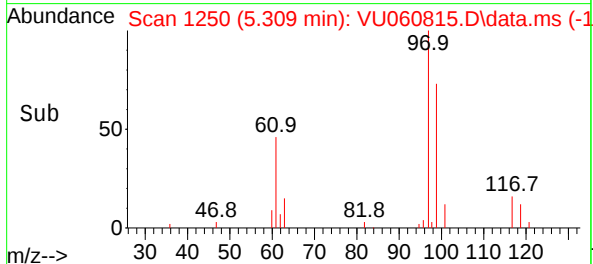
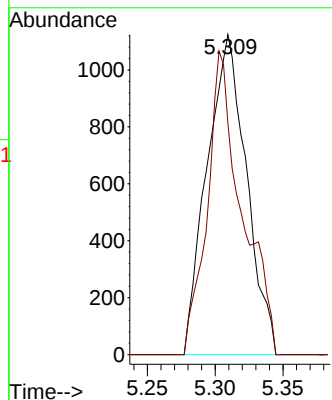
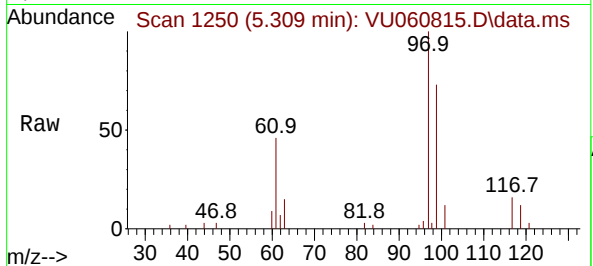




#31
Carbon tetrachloride
Concen: 0.169 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU060815.D
Acq: 17 Sep 2024 06:20

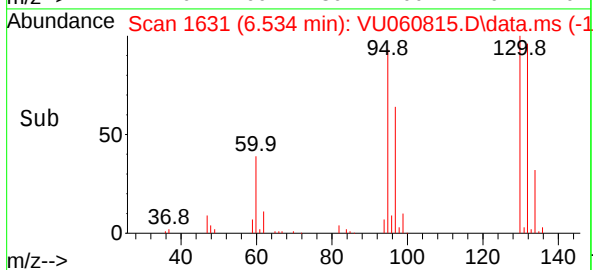
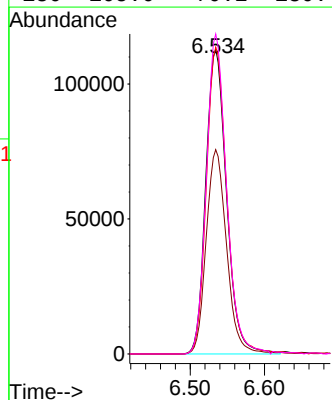
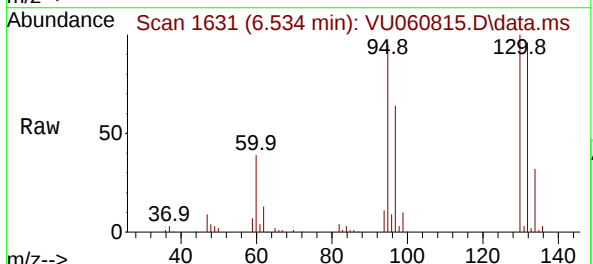
Instrument :
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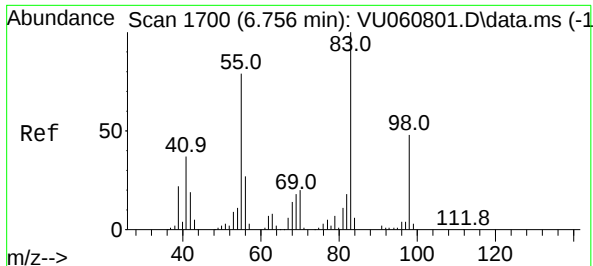
Tgt Ion:117 Resp: 2266
Ion Ratio Lower Upper
117 100
119 83.3 76.3 114.5



#34
Trichloroethene
Concen: 21.743 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU060815.D
Acq: 17 Sep 2024 06:20

Tgt Ion: 95 Resp: 219284
Ion Ratio Lower Upper
95 100
97 67.1 44.9 83.5
132 100.7 63.5 117.9
130 105.0 70.2 130.4

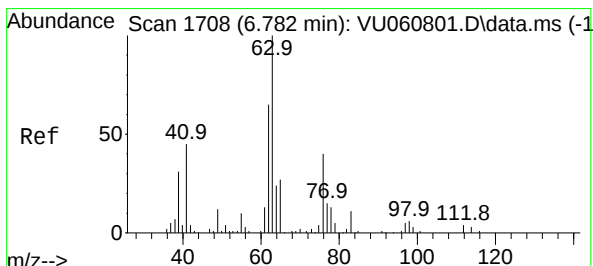
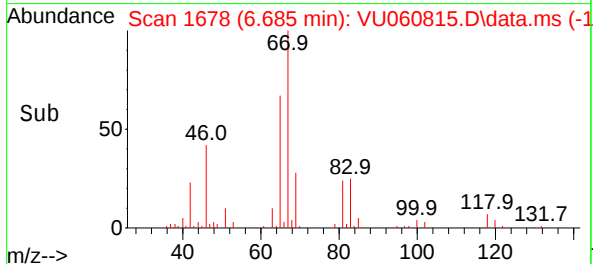
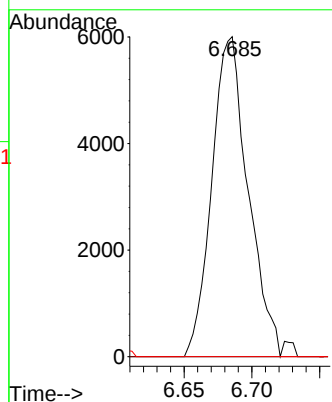
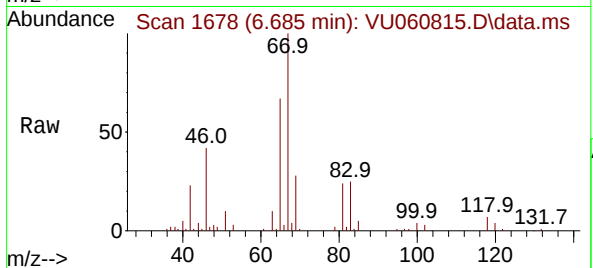




#35
Methylcyclohexane
Concen: 0.809 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU060815.D
Acq: 17 Sep 2024 06:20

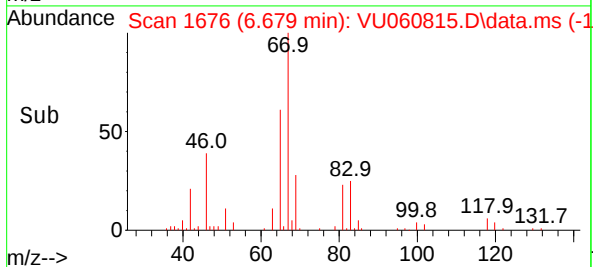
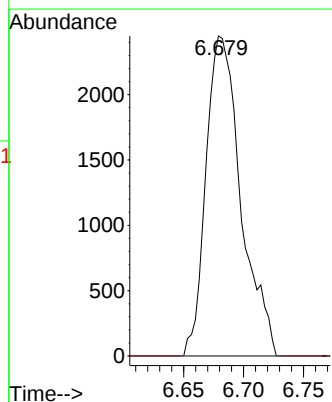
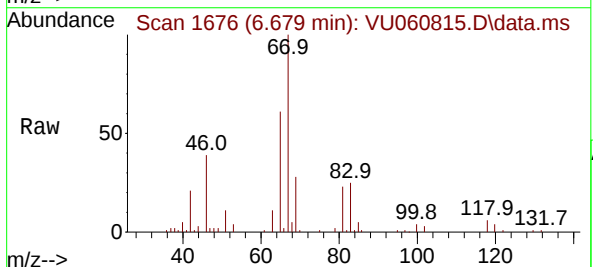
Instrument :
MSVOA_U
ClientSampleId :

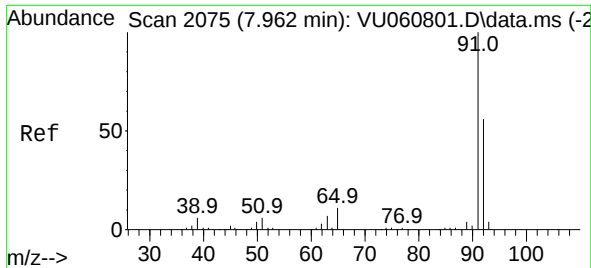
Tgt Ion: 83 Resp: 11187
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.0 37.6 56.4#



#37
1,2-Dichloropropane
Concen: 0.469 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.103 min
Lab File: VU060815.D
Acq: 17 Sep 2024 06:20

Tgt Ion: 63 Resp: 4967
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#





#42

Toluene

Concen: 0.620 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU060815.D

Acq: 17 Sep 2024 06:20

Instrument :

MSVOA_U

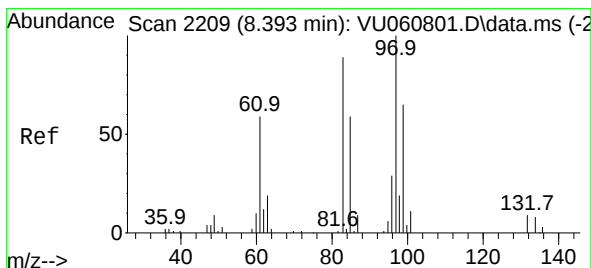
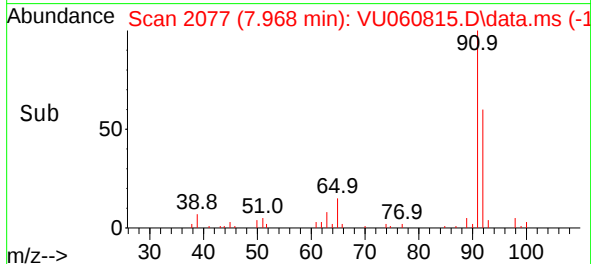
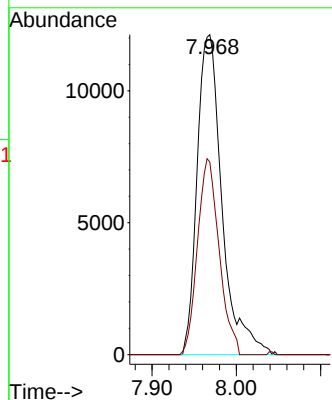
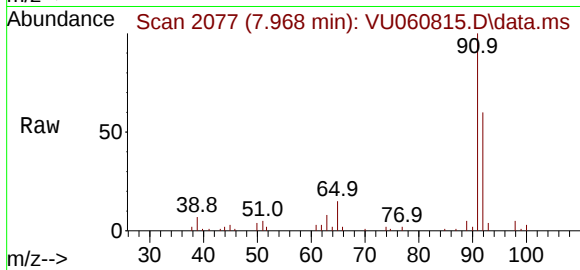
ClientSampleId :

Tgt Ion: 91 Resp: 24952

Ion Ratio Lower Upper

91 100

92 60.2 40.5 75.3



#45

1,1,2-Trichloroethane

Concen: 0.144 ug/L

RT: 8.406 min Scan# 2213

Delta R.T. 0.013 min

Lab File: VU060815.D

Acq: 17 Sep 2024 06:20

Tgt Ion: 97 Resp: 1105

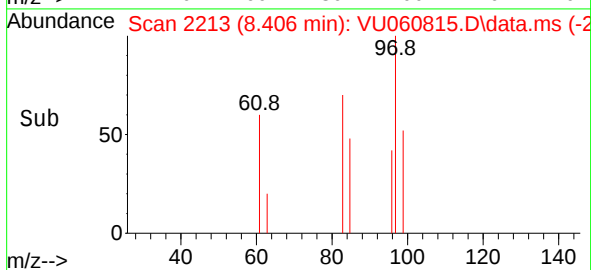
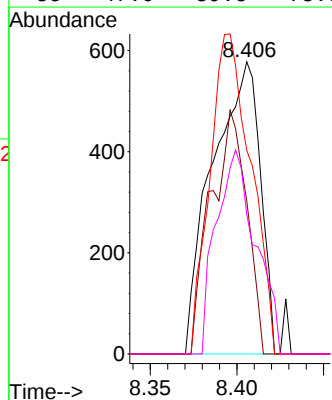
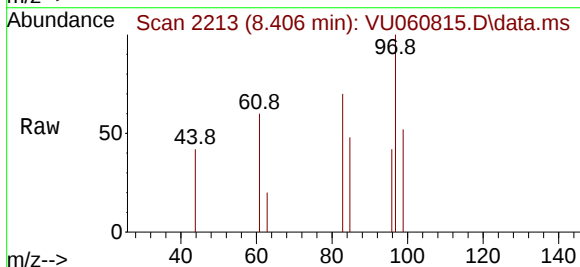
Ion Ratio Lower Upper

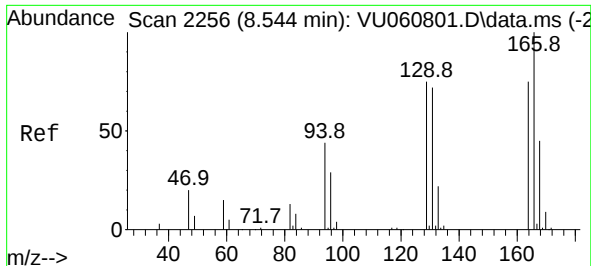
97 100

99 52.4 42.3 78.5

83 69.7 61.7 114.5

85 47.9 39.5 73.3





#47

Tetrachloroethene

Concen: 14.849 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

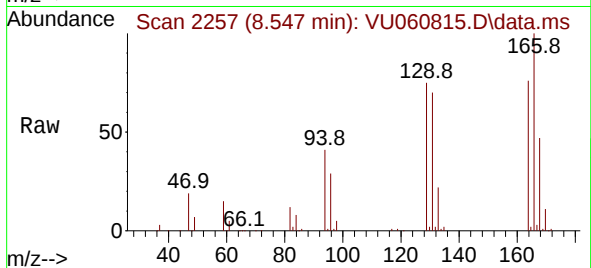
Lab File: VU060815.D

Acq: 17 Sep 2024 06:20

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 119009

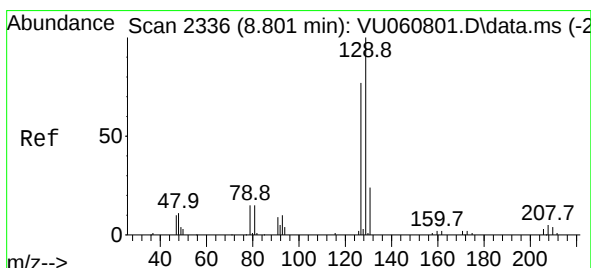
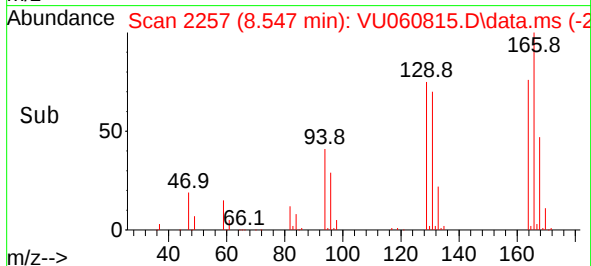
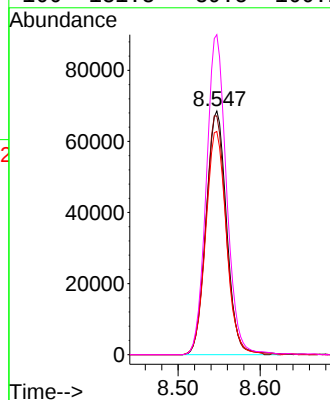
Ion Ratio Lower Upper

164 100

129 97.9 67.3 124.9

131 91.6 65.4 121.4

166 131.3 89.5 166.1



#49

Dibromochloromethane

Concen: 13.302 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.257 min

Lab File: VU060815.D

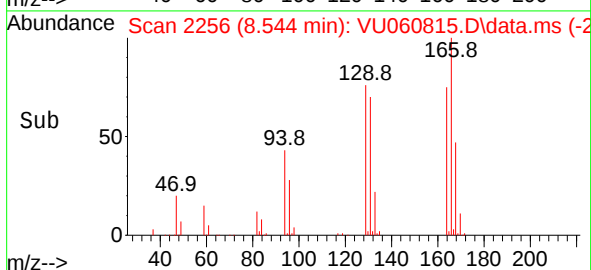
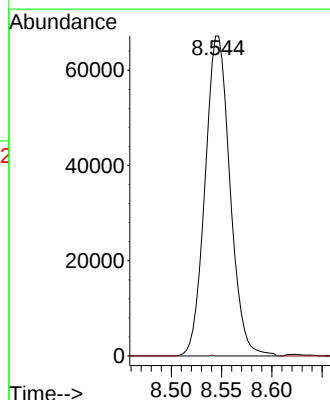
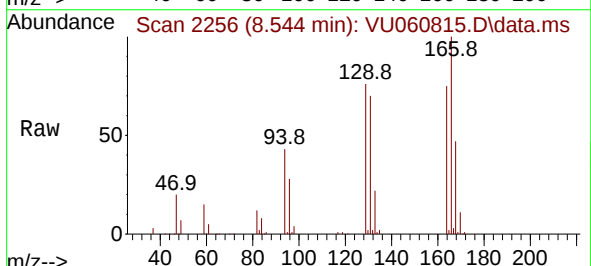
Acq: 17 Sep 2024 06:20

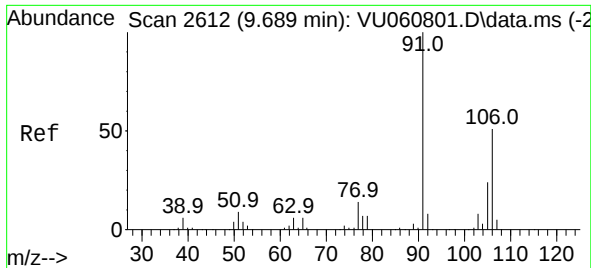
Tgt Ion:129 Resp: 115895

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#

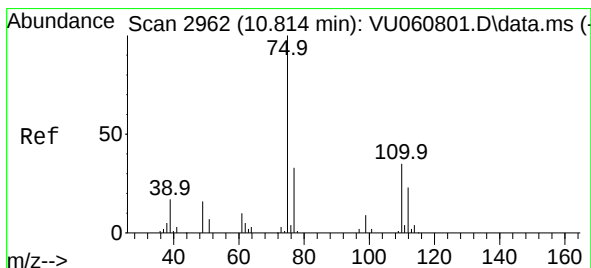
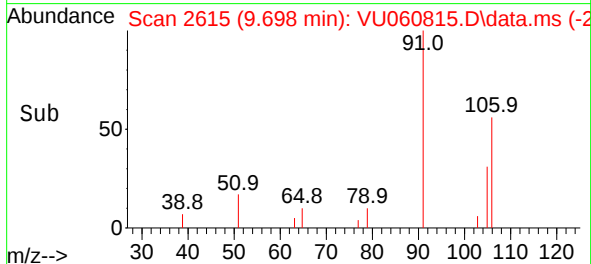
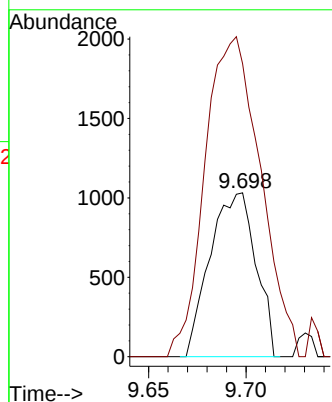
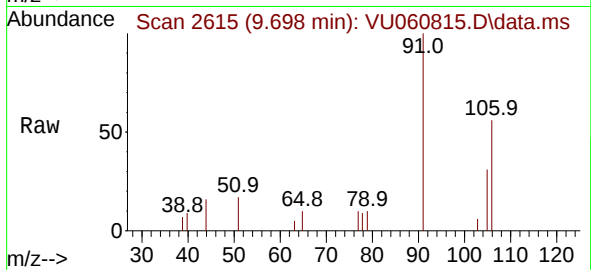




#53
m,p-Xylene
Concen: 0.105 ug/L
RT: 9.698 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU060815.D
Acq: 17 Sep 2024 06:20

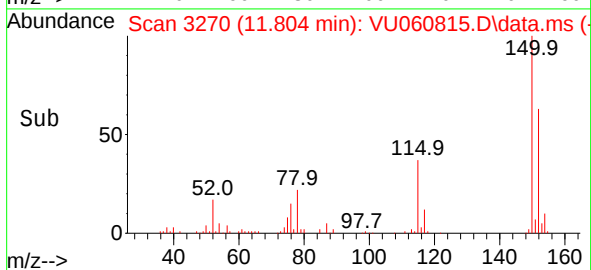
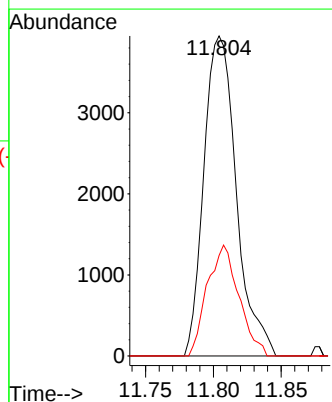
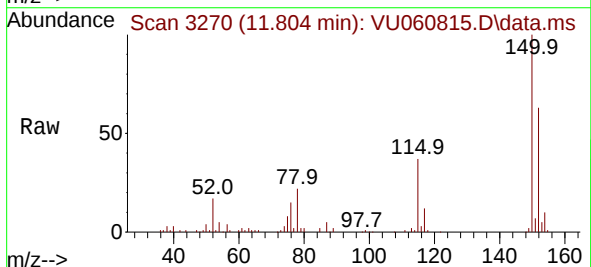
Instrument :
MSVOA_U
ClientSampleId :

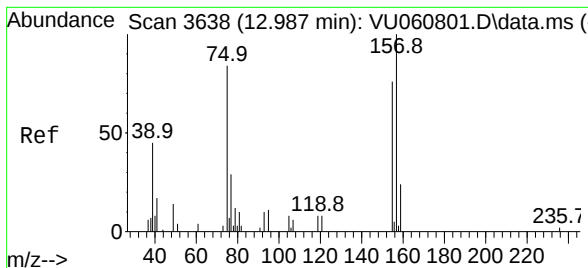
Tgt Ion:106 Resp: 1690
Ion Ratio Lower Upper
106 100
91 178.8 139.7 259.4



#61
1,2,3-Trichloropropane
Concen: 1.242 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.990 min
Lab File: VU060815.D
Acq: 17 Sep 2024 06:20

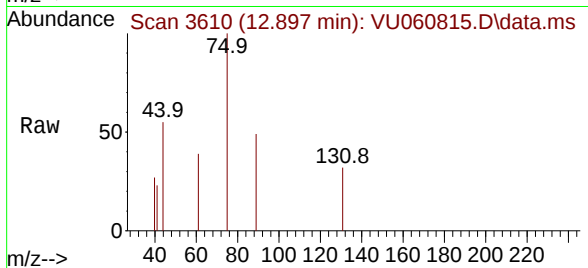
Tgt Ion: 75 Resp: 6584
Ion Ratio Lower Upper
75 100
110 0.0 28.6 43.0#
77 33.8 26.3 39.5





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.833 ug/L
 RT: 12.897 min Scan# 30
 Delta R.T. -0.090 min
 Lab File: VU060815.D
 Acq: 17 Sep 2024 06:20

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 862
 Ion Ratio Lower Upper
 75 100
 155 0.0 73.1 109.7#
 157 0.0 91.0 136.4#

