

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091724\
 Data File : VU060854.D
 Acq On : 18 Sep 2024 00:36
 Operator : MD/SY
 Sample : P3987-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 18 03:46:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 18 02:40:24 2024
 Response via : Initial Calibration

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

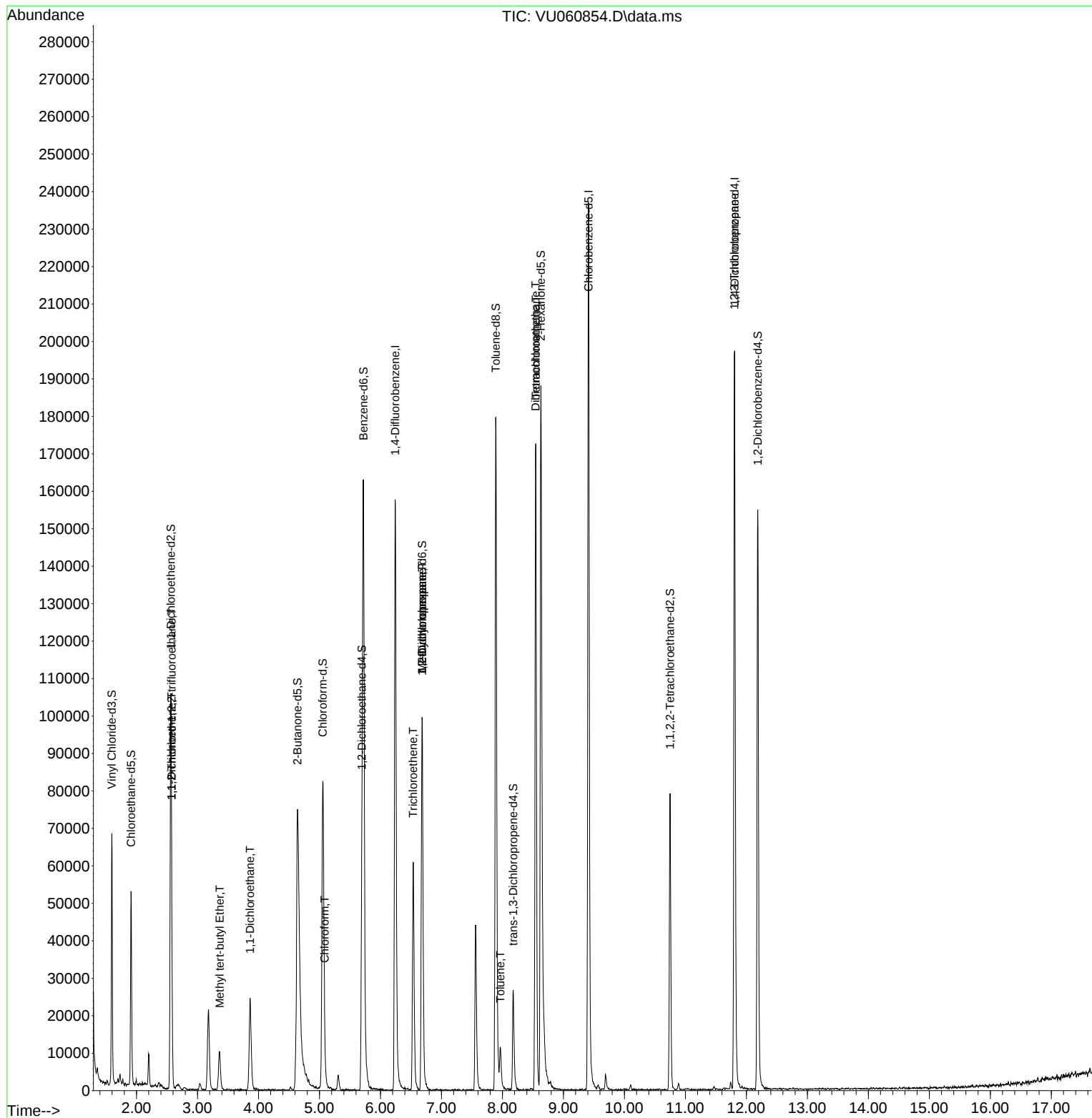
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	134700	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	149166	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	59955	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	46526	3.840	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.800%
7) Chloroethane-d5	1.911	69	38688	4.485	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.563	65	18234	4.246	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.000%
20) 2-Butanone-d5	4.640	46	92287	47.449	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.900%
24) Chloroform-d	5.055	84	81795	4.416	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.695	65	41654	4.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
32) Benzene-d6	5.721	84	161482	4.039	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
36) 1,2-Dichloropropane-d6	6.682	67	53789	4.348	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.891	98	130581	3.582	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.600%
43) trans-1,3-Dichloroprop...	8.177	79	17163	3.855	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.631	63	69755	39.714	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.420%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	43015	4.439	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	46631	4.629	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	3232	0.348	ug/L	91
12) 1,1-Dichloroethene	2.576	96	5233	0.618	ug/L #	1
17) Methyl tert-butyl Ether	3.364	73	11141	0.582	ug/L	99
19) 1,1-Dichloroethane	3.862	63	28991	1.645	ug/L	96
25) Chloroform	5.084	83	4138	0.225	ug/L	94
34) Trichloroethene	6.537	95	21081	1.961	ug/L	90
35) Methylcyclohexane	6.682	83	12558	0.851	ug/L #	28
37) 1,2-Dichloropropane	6.685	63	5226	0.462	ug/L #	93
42) Toluene	7.965	91	9573	0.223	ug/L	85
47) Tetrachloroethene	8.547	164	40702	4.763	ug/L	96
49) Dibromochloromethane	8.544	129	38534	4.149	ug/L #	9
61) 1,2,3-Trichloropropane	11.804	75	7259	1.298	ug/L #	66

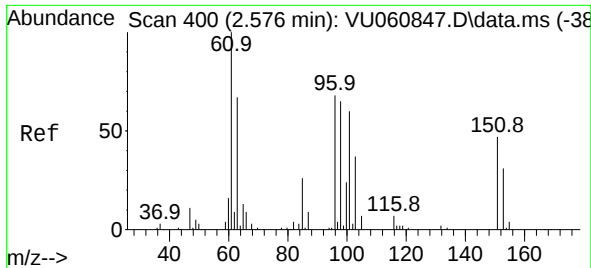
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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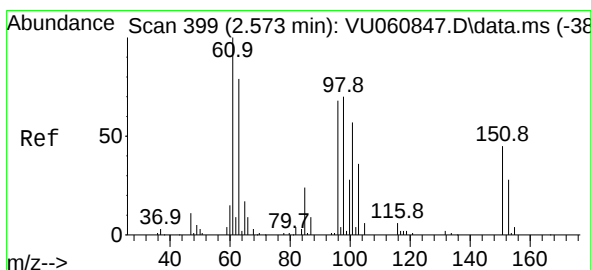
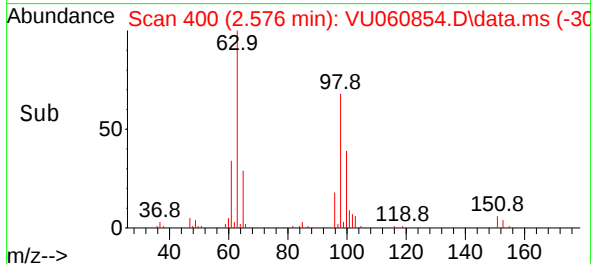
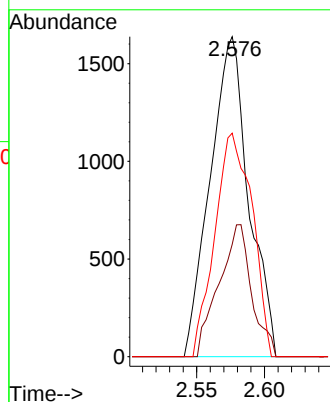
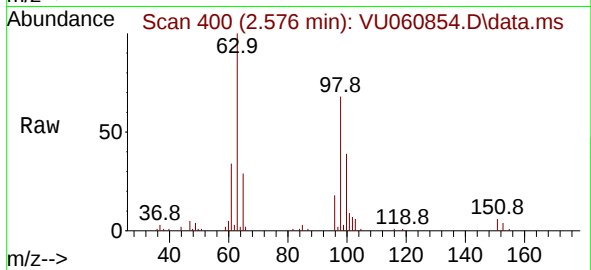




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.348 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU060854.D
 Acq: 18 Sep 2024 00:36

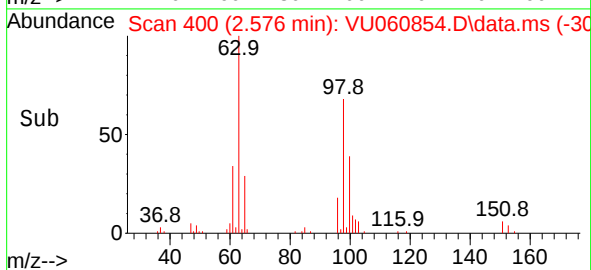
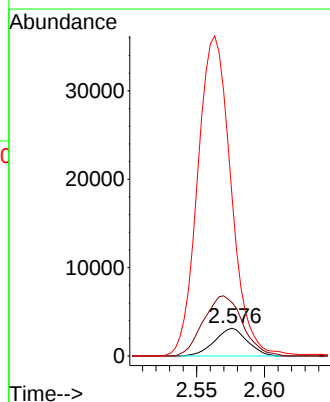
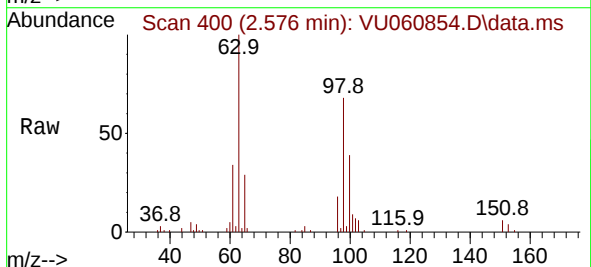
Instrument :
 MSVOA_U
 ClientSampleId :

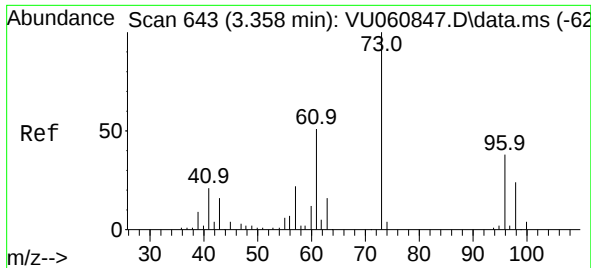
Tgt Ion:101 Resp: 3232
 Ion Ratio Lower Upper
 101 100
 85 35.0 34.2 51.4
 151 67.8 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 0.618 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU060854.D
 Acq: 18 Sep 2024 00:36

Tgt Ion: 96 Resp: 5233
 Ion Ratio Lower Upper
 96 100
 61 191.7 120.7 224.1
 63 567.3 90.0 167.2#

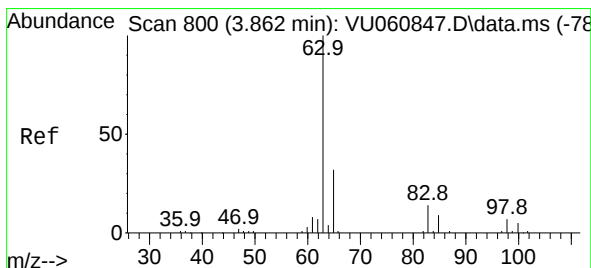
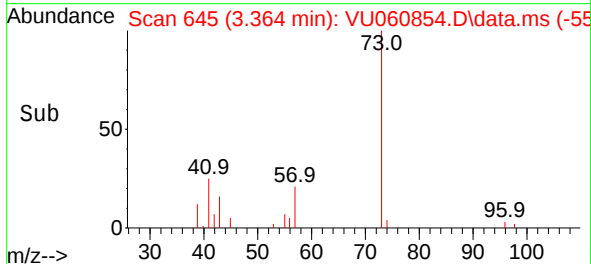
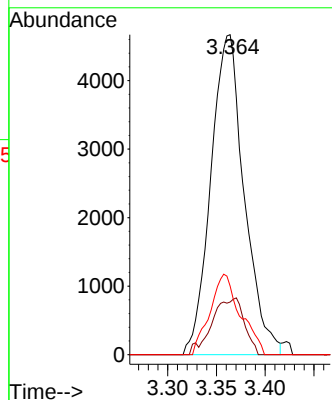
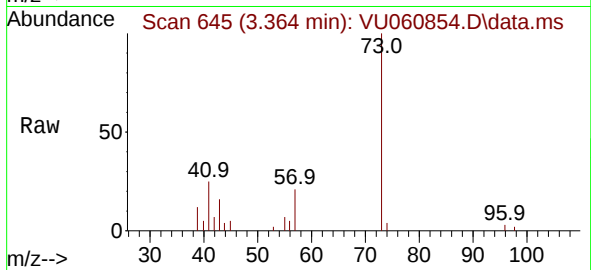




#17
Methyl tert-butyl Ether
Concen: 0.582 ug/L
RT: 3.364 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU060854.D
Acq: 18 Sep 2024 00:36

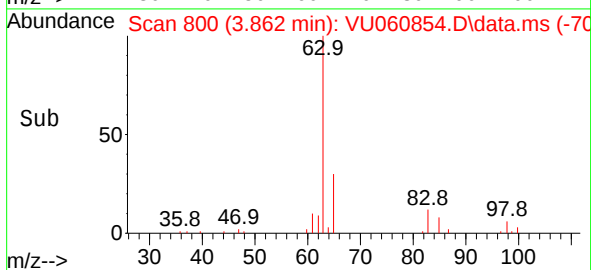
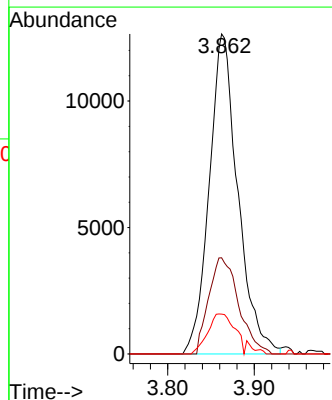
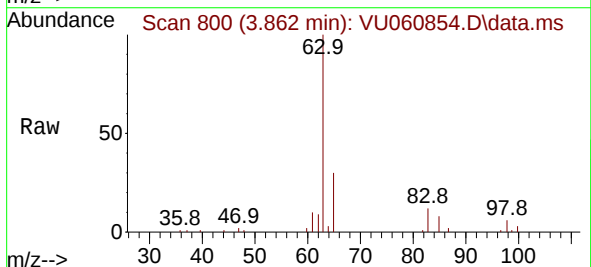
Instrument :
MSVOA_U
ClientSampleId :

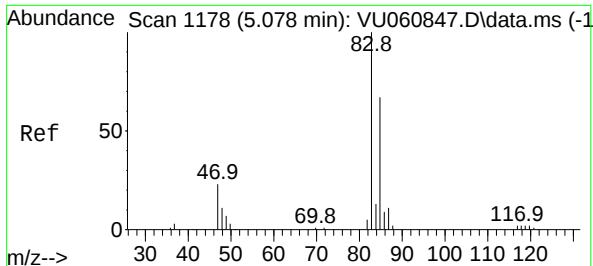
Tgt Ion: 73	Resp: 11141
Ion Ratio	Lower Upper
73	100
43	17.0 13.8 20.8
57	23.0 18.0 27.0



#19
1,1-Dichloroethane
Concen: 1.645 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU060854.D
Acq: 18 Sep 2024 00:36

Tgt Ion: 63	Resp: 28991
Ion Ratio	Lower Upper
63	100
65	30.1 23.0 42.8
83	12.4 9.0 16.6





#25

Chloroform

Concen: 0.225 ug/L

RT: 5.084 min Scan# 1178

Delta R.T. 0.006 min

Lab File: VU060854.D

Acq: 18 Sep 2024 00:36

Instrument :

MSVOA_U

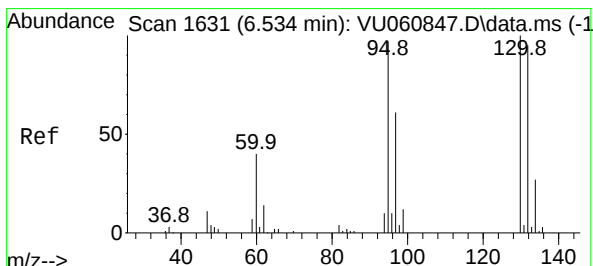
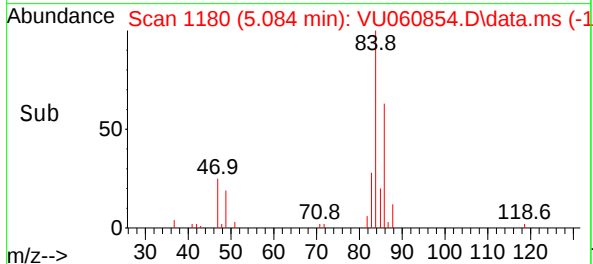
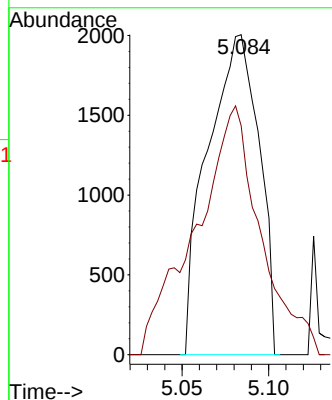
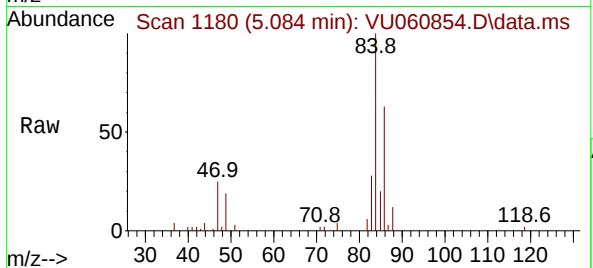
ClientSampleId :

Tgt Ion: 83 Resp: 4138

Ion Ratio Lower Upper

83 100

85 71.6 46.8 86.8



#34

Trichloroethene

Concen: 1.961 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. 0.003 min

Lab File: VU060854.D

Acq: 18 Sep 2024 00:36

Tgt Ion: 95 Resp: 21081

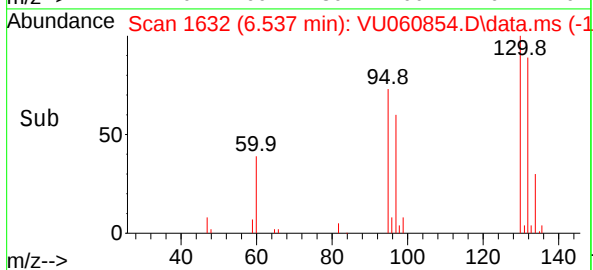
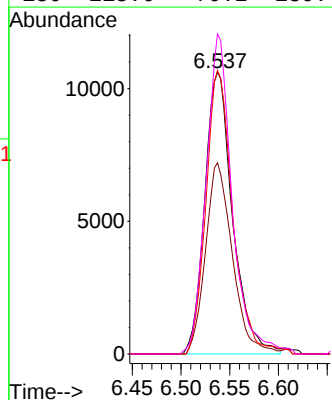
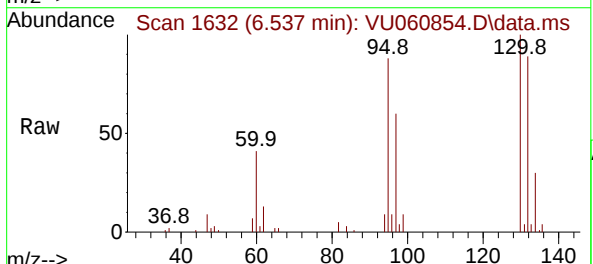
Ion Ratio Lower Upper

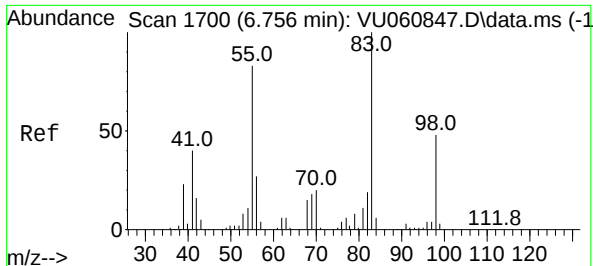
95 100

97 67.9 44.9 83.5

132 100.7 63.5 117.9

130 113.6 70.2 130.4





#35

Methylcyclohexane

Concen: 0.851 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU060854.D

Acq: 18 Sep 2024 00:36

Instrument :

MSVOA_U

ClientSampleId :

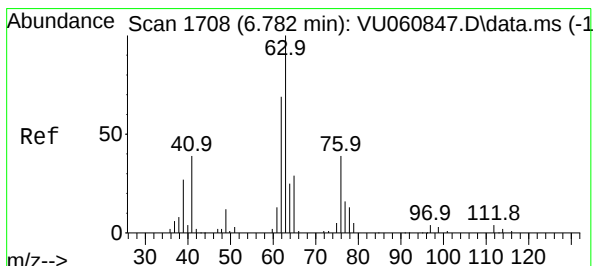
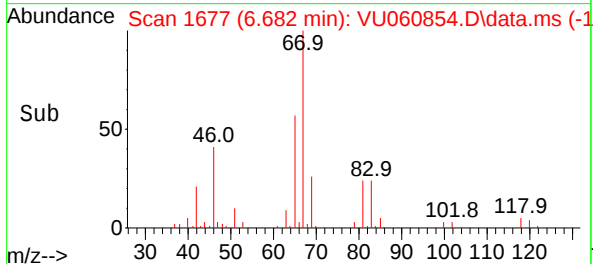
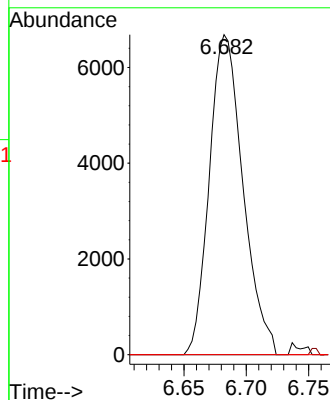
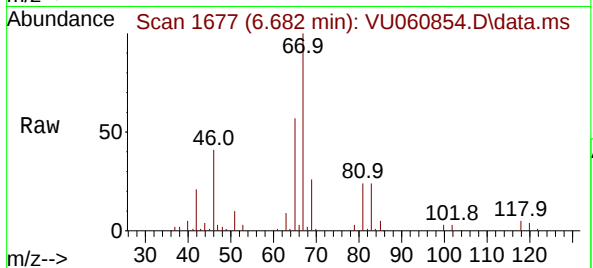
Tgt Ion: 83 Resp: 12558

Ion Ratio Lower Upper

83 100

55 0.4 62.6 94.0#

98 17.8 37.6 56.4#



#37

1,2-Dichloropropane

Concen: 0.462 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.096 min

Lab File: VU060854.D

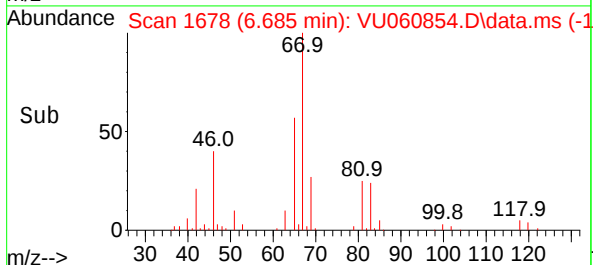
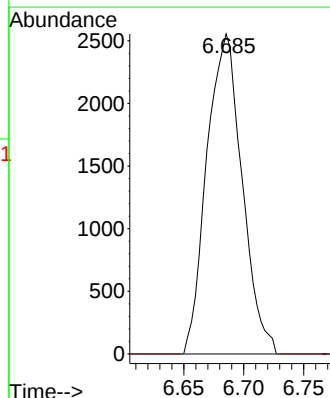
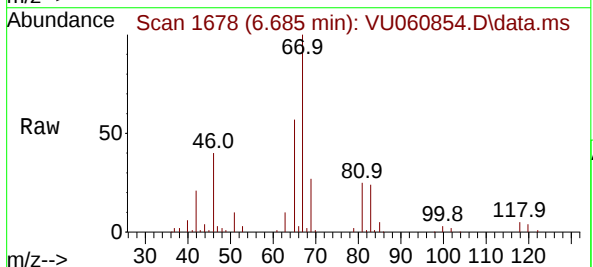
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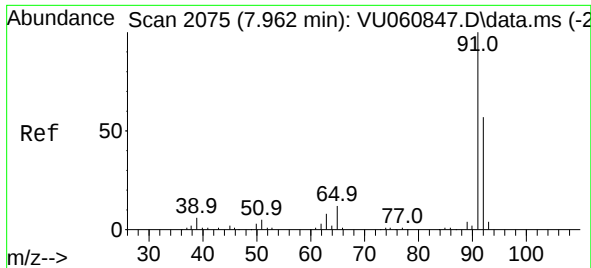
Tgt Ion: 63 Resp: 5226

Ion Ratio Lower Upper

63 100

112 0.0 2.0 3.0#





#42

Toluene

Concen: 0.223 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU060854.D

Acq: 18 Sep 2024 00:36

Instrument :

MSVOA_U

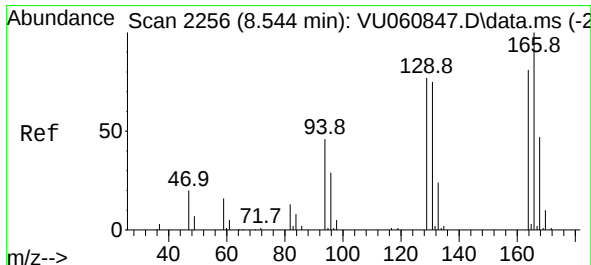
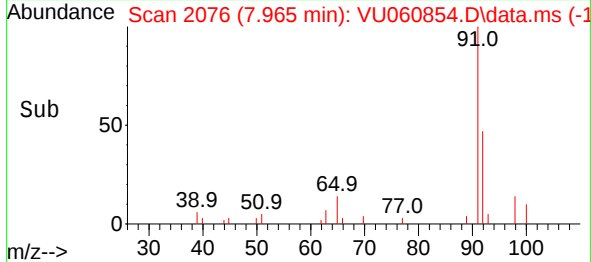
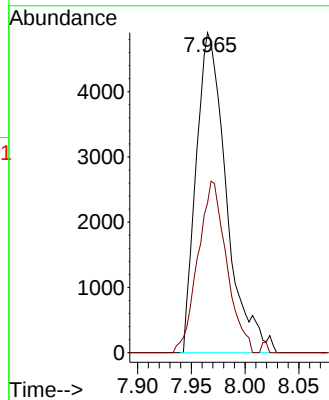
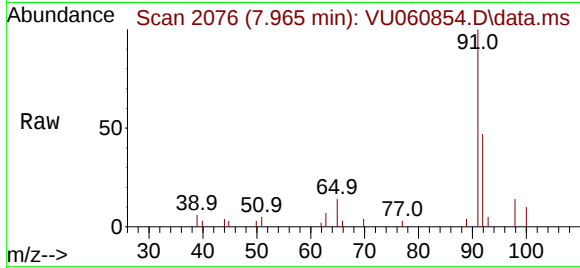
ClientSampleId :

Tgt Ion: 91 Resp: 9573

Ion Ratio Lower Upper

91 100

92 46.8 40.5 75.3



#47

Tetrachloroethene

Concen: 4.763 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VU060854.D

Acq: 18 Sep 2024 00:36

Tgt Ion: 164 Resp: 40702

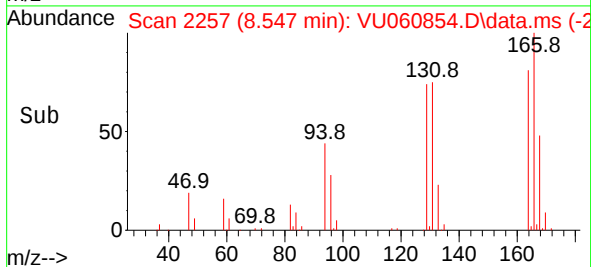
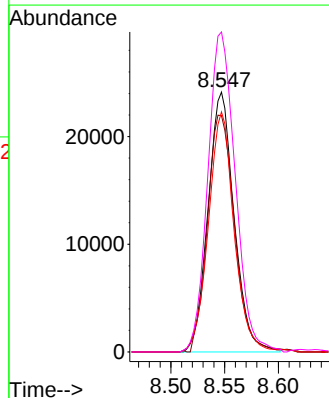
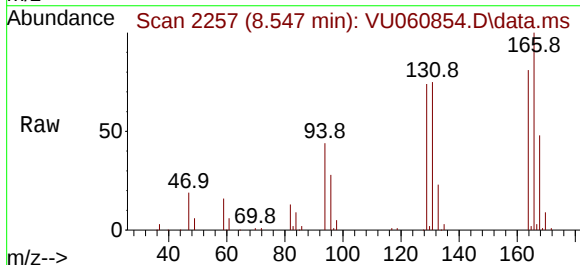
Ion Ratio Lower Upper

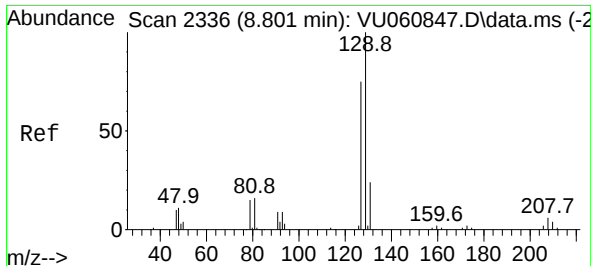
164 100

129 90.9 67.3 124.9

131 92.4 65.4 121.4

166 123.1 89.5 166.1





#49

Dibromochloromethane

Concen: 4.149 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU060854.D

Acq: 18 Sep 2024 00:36

Instrument :

MSVOA_U

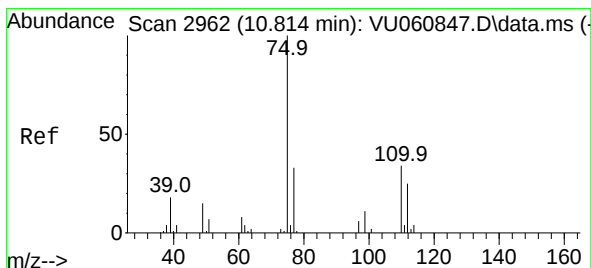
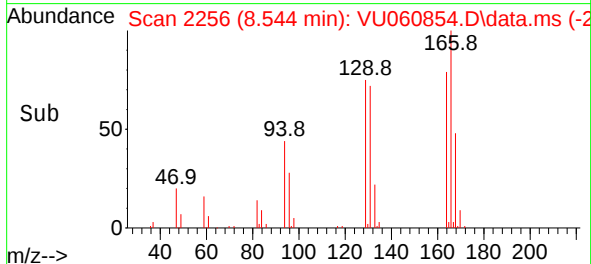
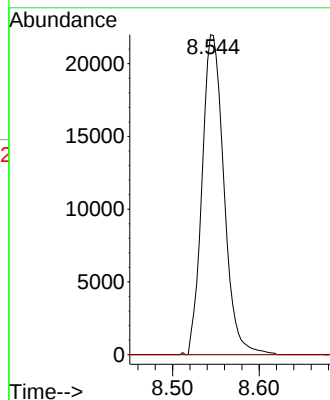
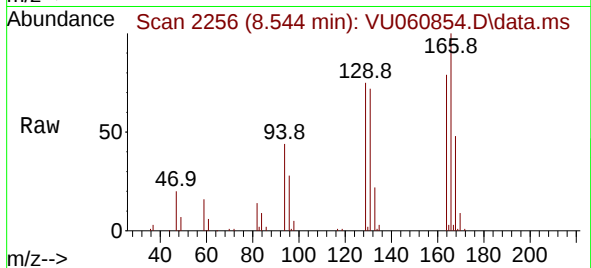
ClientSampleId :

Tgt Ion:129 Resp: 38534

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#



#61

1,2,3-Trichloropropane

Concen: 1.298 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.990 min

Lab File: VU060854.D

Acq: 18 Sep 2024 00:36

Tgt Ion: 75 Resp: 7259

Ion Ratio Lower Upper

75 100

110 1.0 28.6 43.0#

77 29.4 26.3 39.5

