

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
 Data File : VU060953.D
 Acq On : 20 Sep 2024 19:16
 Operator : MD/SY
 Sample : P3987-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 01:44:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 21 01:39:49 2024
 Response via : Initial Calibration

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

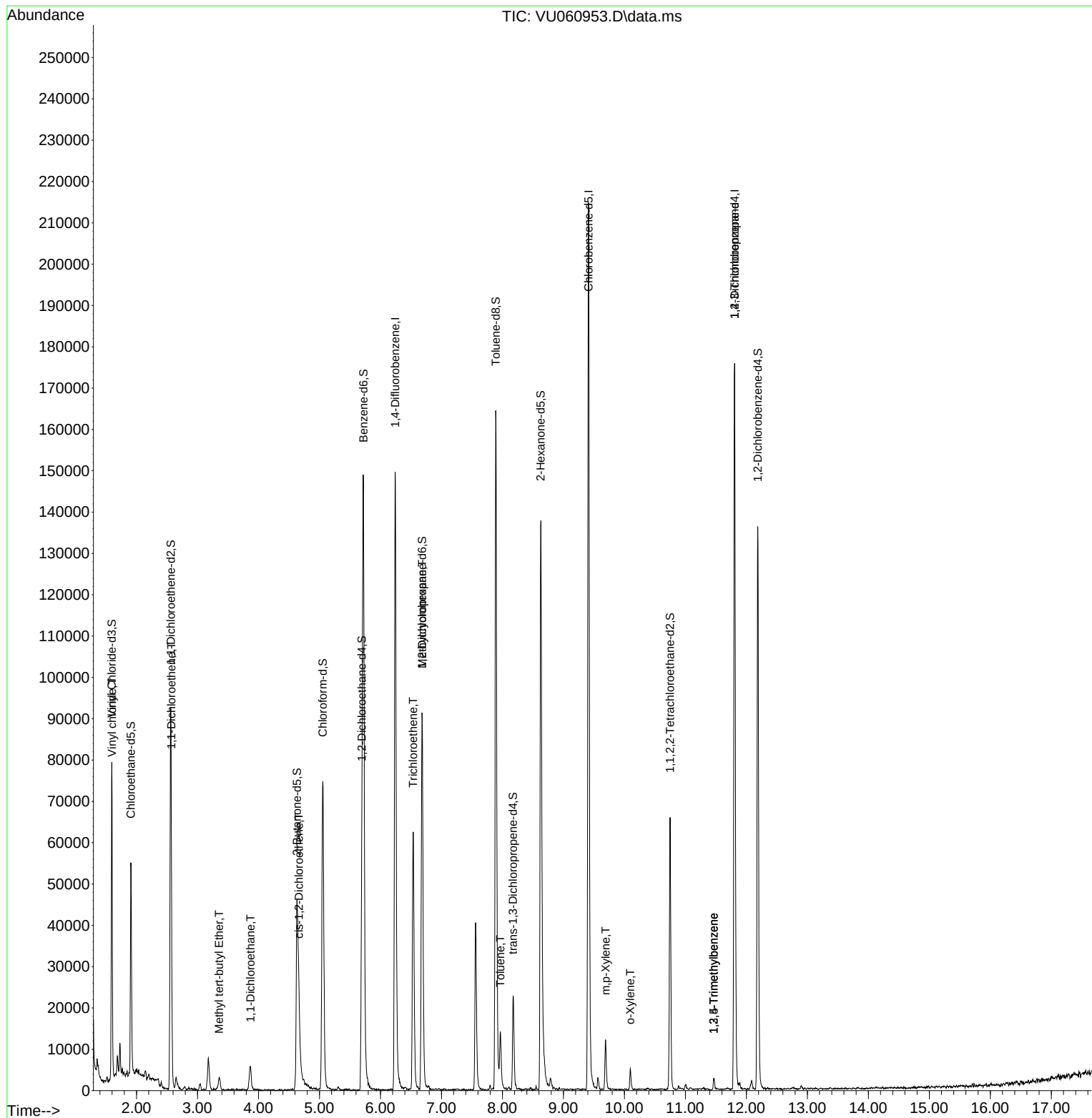
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	123372	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	130111	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	52064	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	47715	4.300	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.907	69	37258	4.716	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.563	65	16787	4.268	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.400%
20) 2-Butanone-d5	4.631	46	60505	33.965	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.920%
24) Chloroform-d	5.055	84	74207	4.375	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.695	65	36011	4.441	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	5.721	84	145064	4.160	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.682	67	47558	4.408	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.200%
41) Toluene-d8	7.891	98	116137	3.653	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.000%
43) trans-1,3-Dichloroprop...	8.174	79	15068	3.880	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.600%
46) 2-Hexanone-d5	8.627	63	50194	32.762	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.520%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	33024	3.907	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	39464	4.511	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	6074	0.570	ug/L	88
12) 1,1-Dichloroethene	2.570	96	3478	0.448	ug/L #	1
17) Methyl tert-butyl Ether	3.354	73	3169	0.181	ug/L #	91
19) 1,1-Dichloroethane	3.869	63	7556	0.468	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	4890	0.549	ug/L	90
34) Trichloroethene	6.537	95	22546	2.404	ug/L	93
35) Methylcyclohexane	6.682	83	11290	0.877	ug/L #	17
42) Toluene	7.965	91	11827	0.316	ug/L	91
53) m,p-Xylene	9.692	106	3725	0.249	ug/L	98
54) o-Xylene	10.097	106	1502	0.102	ug/L	79
61) 1,2,3-Trichloropropane	11.807	75	6586	1.356	ug/L #	66
62) 1,3,5-Trimethylbenzene	11.463	105	1919	0.080	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	1919	0.081	ug/L	94

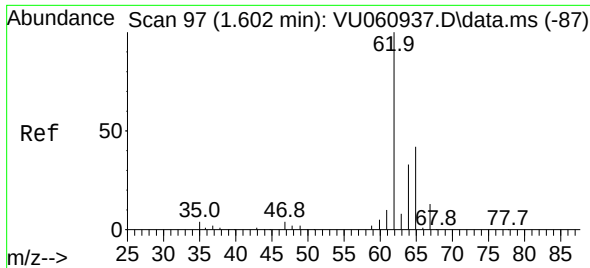
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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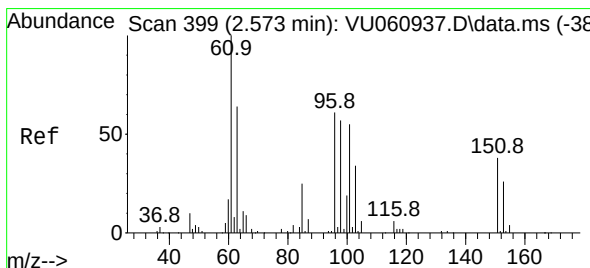
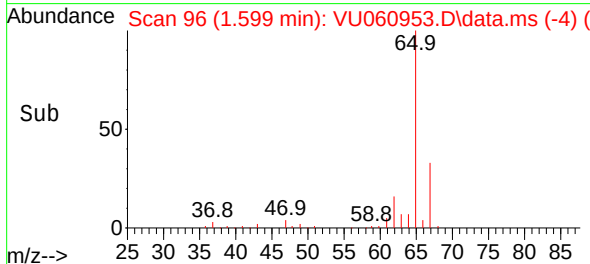
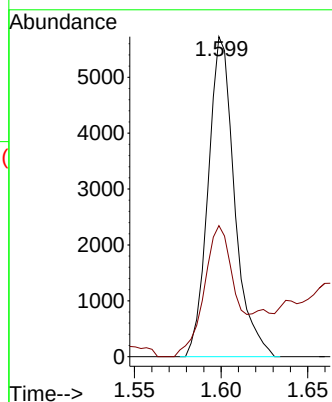
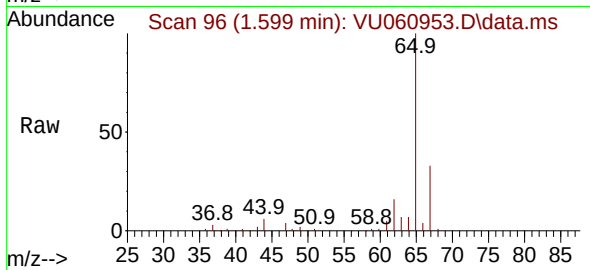




#5
 Vinyl chloride
 Concen: 0.570 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU060953.D
 Acq: 20 Sep 2024 19:16

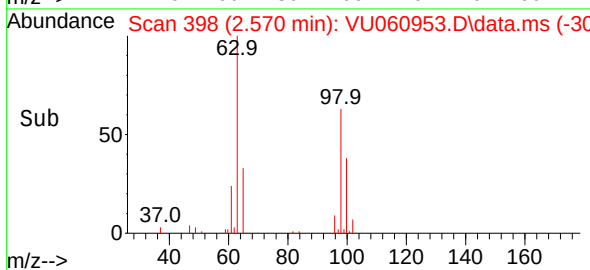
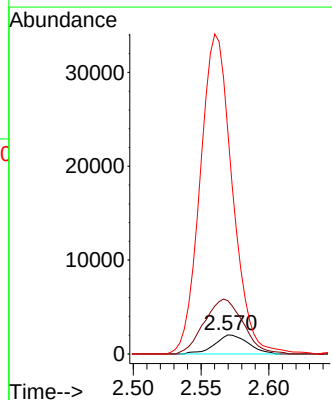
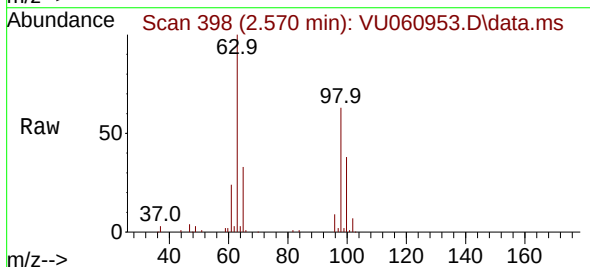
Instrument :
 MSVOA_U
 ClientSampleId :

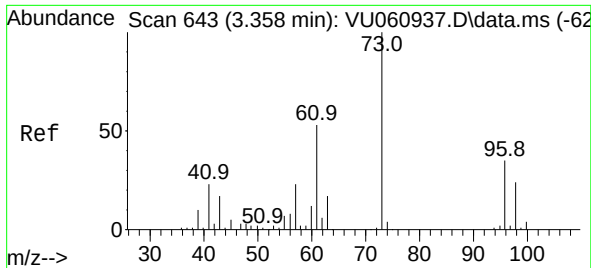
Tgt Ion: 62 Resp: 6074
 Ion Ratio Lower Upper
 62 100
 64 40.9 24.0 44.6



#12
 1,1-Dichloroethene
 Concen: 0.448 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU060953.D
 Acq: 20 Sep 2024 19:16

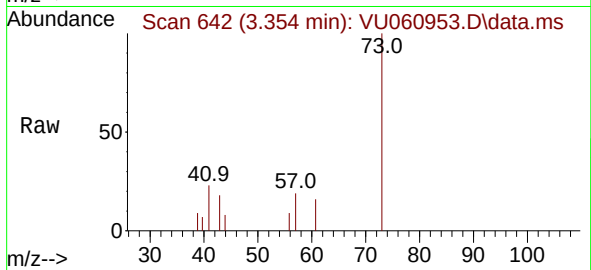
Tgt Ion: 96 Resp: 3478
 Ion Ratio Lower Upper
 96 100
 61 279.4 120.7 224.1#
 63 1163.0 90.0 167.2#



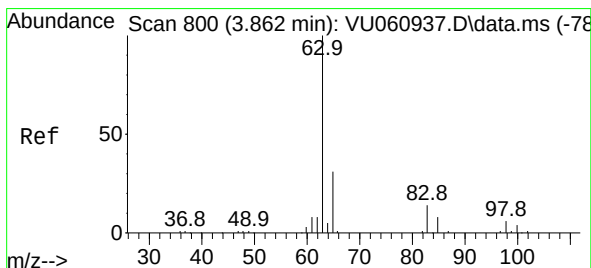
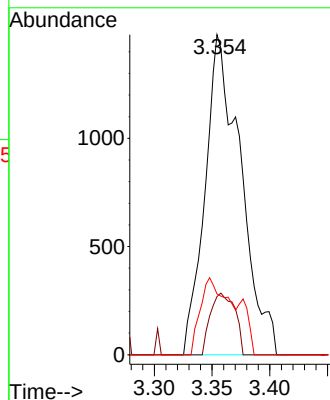
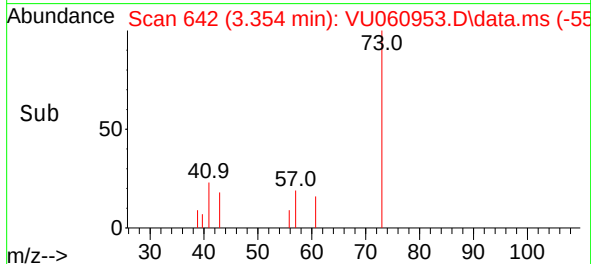


#17
Methyl tert-butyl Ether
Concen: 0.181 ug/L
RT: 3.354 min Scan# 643
Delta R.T. -0.003 min
Lab File: VU060953.D
Acq: 20 Sep 2024 19:16

Instrument :
MSVOA_U
ClientSampleId :

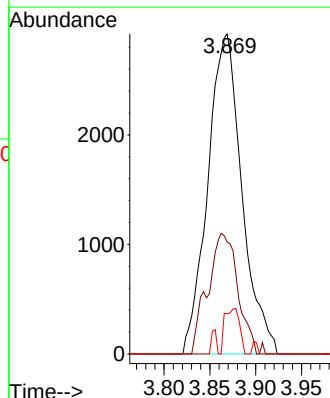
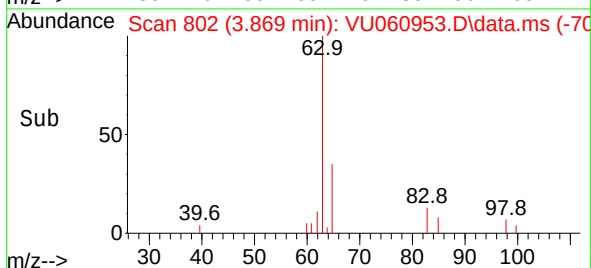
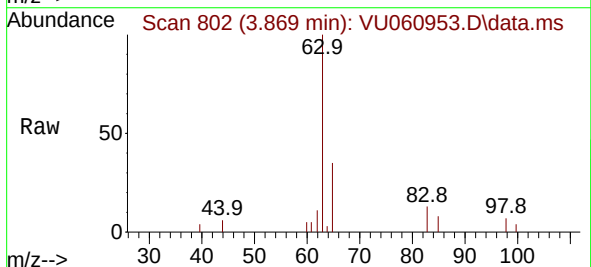


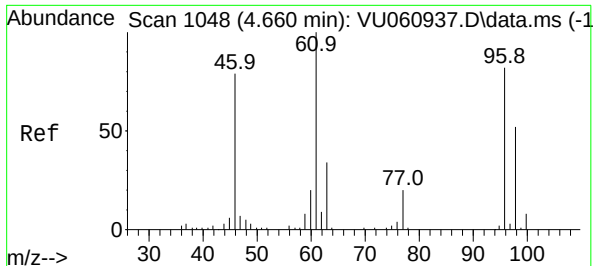
Tgt Ion: 73 Resp: 3169
Ion Ratio Lower Upper
73 100
43 13.3 13.8 20.8#
57 18.7 18.0 27.0



#19
1,1-Dichloroethane
Concen: 0.468 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.006 min
Lab File: VU060953.D
Acq: 20 Sep 2024 19:16

Tgt Ion: 63 Resp: 7556
Ion Ratio Lower Upper
63 100
65 33.9 23.0 42.8
83 12.1 9.0 16.6





#22

cis-1,2-Dichloroethene

Concen: 0.549 ug/L

RT: 4.663 min Scan# 1048

Delta R.T. 0.003 min

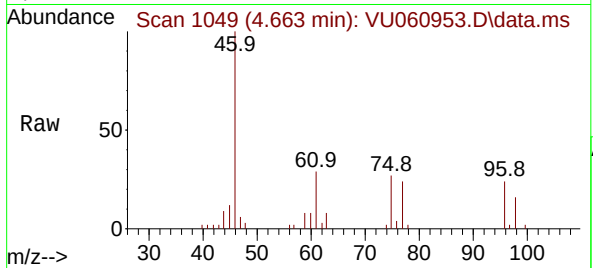
Lab File: VU060953.D

Acq: 20 Sep 2024 19:16

Instrument :

MSVOA_U

ClientSampleId :



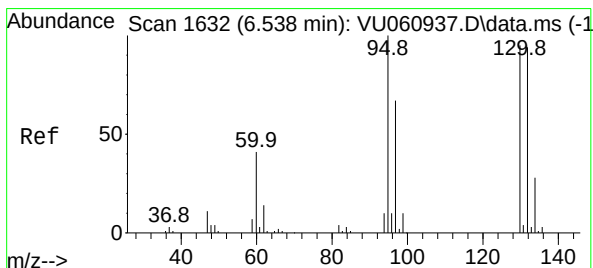
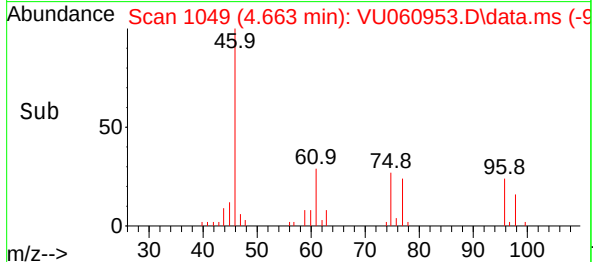
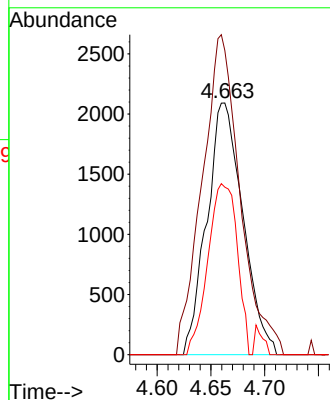
Tgt Ion: 96 Resp: 4890

Ion Ratio Lower Upper

96 100

61 113.0 89.7 166.5

98 62.2 45.1 83.9



#34

Trichloroethene

Concen: 2.404 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU060953.D

Acq: 20 Sep 2024 19:16

Tgt Ion: 95 Resp: 22546

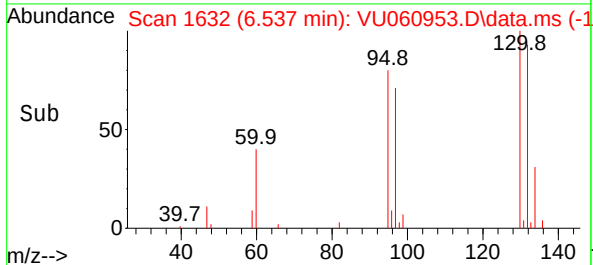
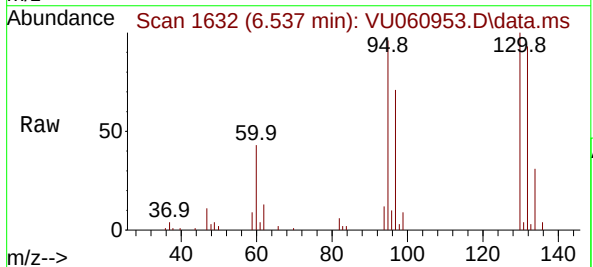
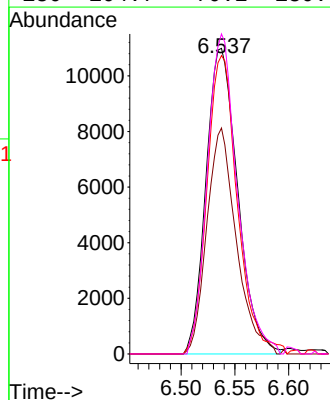
Ion Ratio Lower Upper

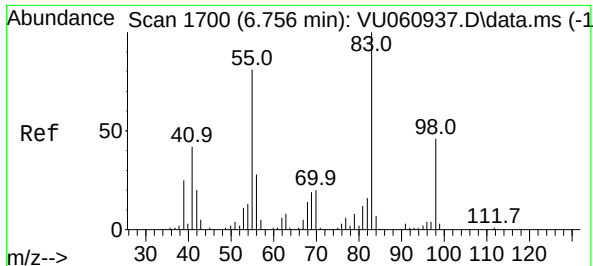
95 100

97 73.9 44.9 83.5

132 97.6 63.5 117.9

130 104.7 70.2 130.4





#35

Methylcyclohexane

Concen: 0.877 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU060953.D

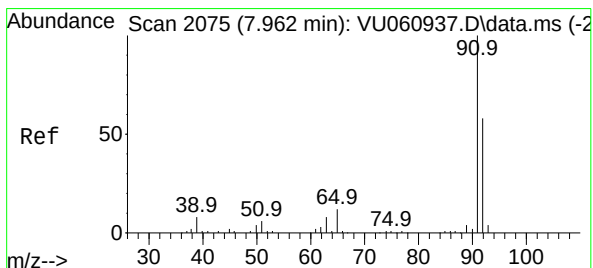
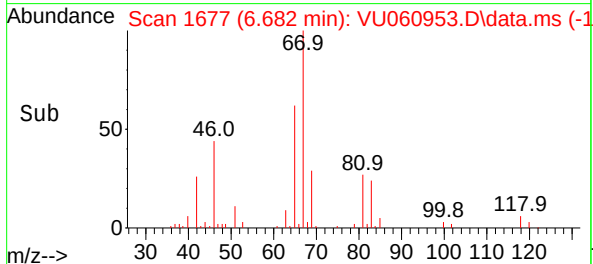
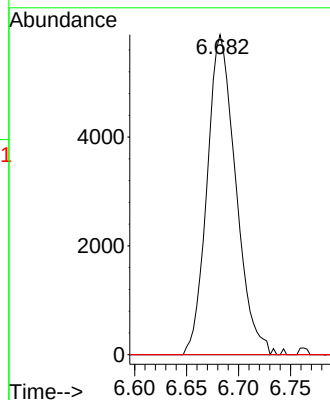
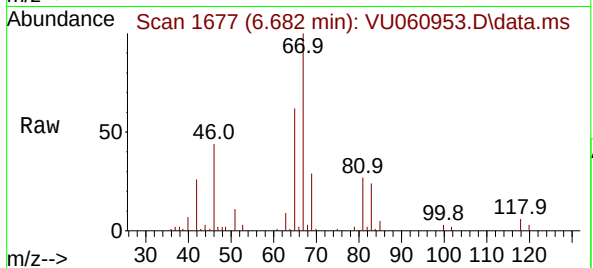
Acq: 20 Sep 2024 19:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 11290
Ion Ratio	Lower Upper
83	100
55	0.0 62.6 94.0#
98	0.0 37.6 56.4#



#42

Toluene

Concen: 0.316 ug/L

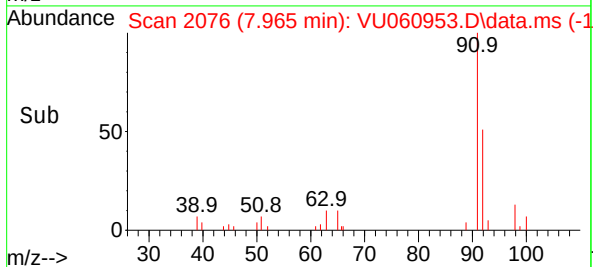
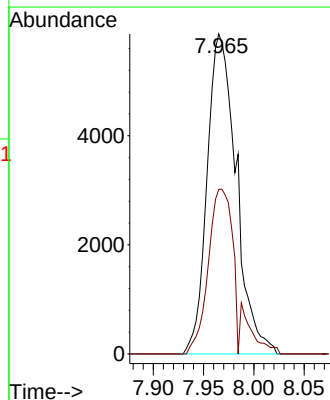
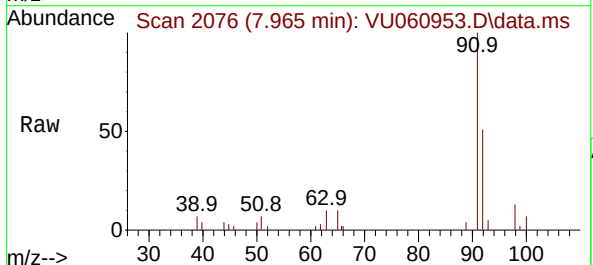
RT: 7.965 min Scan# 2076

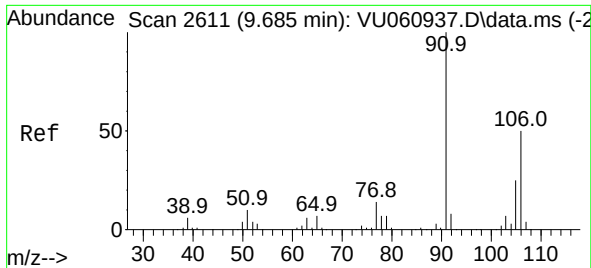
Delta R.T. 0.003 min

Lab File: VU060953.D

Acq: 20 Sep 2024 19:16

Tgt Ion: 91	Resp: 11827
Ion Ratio	Lower Upper
91	100
92	51.4 40.5 75.3





#53

m,p-Xylene

Concen: 0.249 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.006 min

Lab File: VU060953.D

Acq: 20 Sep 2024 19:16

Instrument :

MSVOA_U

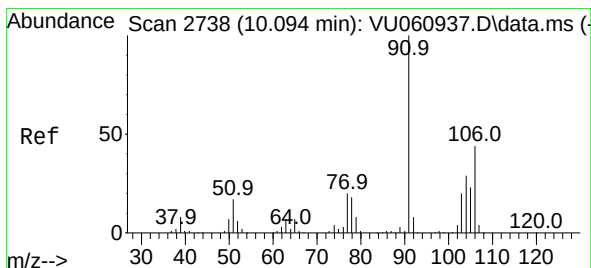
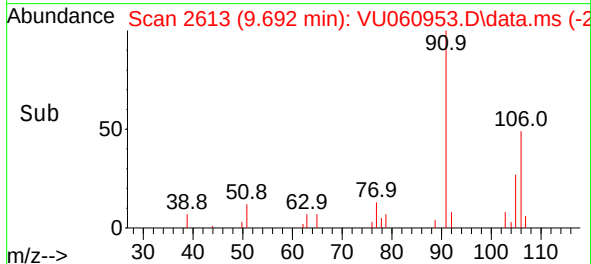
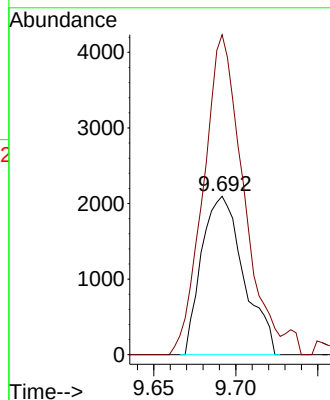
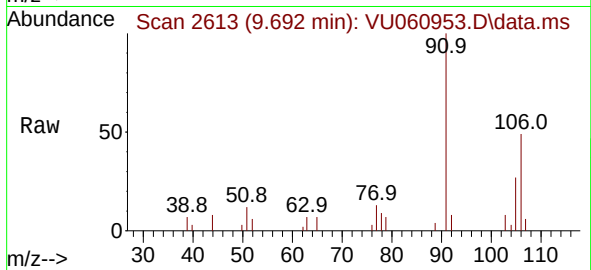
ClientSampleId :

Tgt Ion:106 Resp: 3725

Ion Ratio Lower Upper

106 100

91 202.1 139.7 259.4



#54

o-Xylene

Concen: 0.102 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.003 min

Lab File: VU060953.D

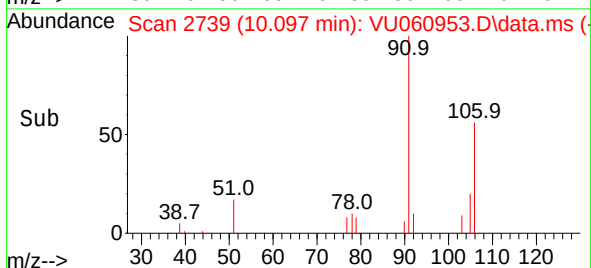
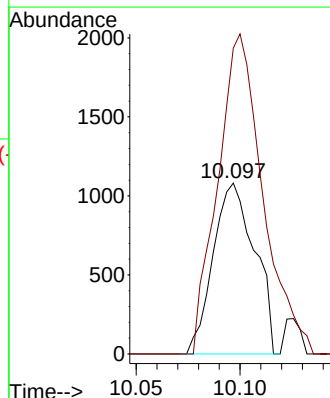
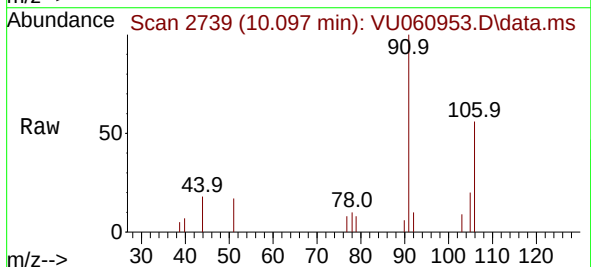
Acq: 20 Sep 2024 19:16

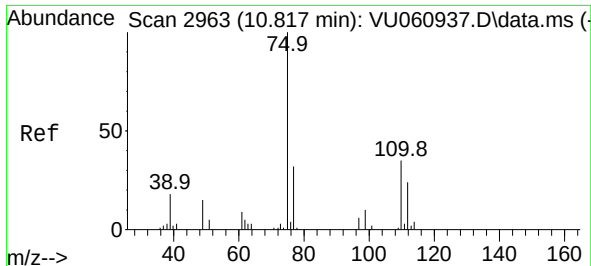
Tgt Ion:106 Resp: 1502

Ion Ratio Lower Upper

106 100

91 179.1 148.6 276.0





#61

1,2,3-Trichloropropane

Concen: 1.356 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU060953.D

Acq: 20 Sep 2024 19:16

Instrument :

MSVOA_U

ClientSampleId :

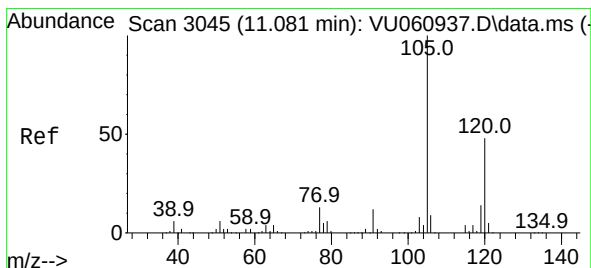
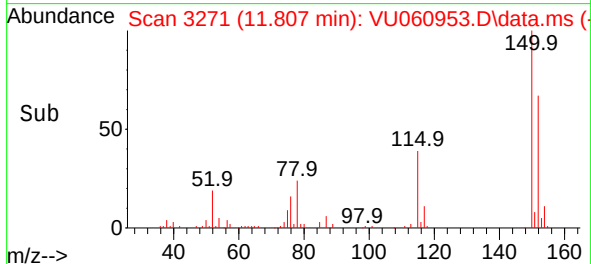
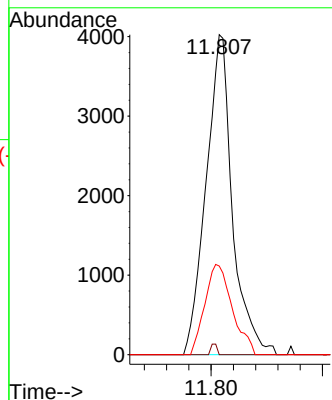
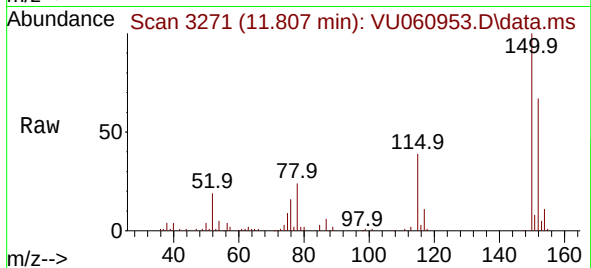
Tgt Ion: 75 Resp: 6586

Ion Ratio Lower Upper

75 100

110 0.8 28.6 43.0#

77 29.4 26.3 39.5



#62

1,3,5-Trimethylbenzene

Concen: 0.080 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.383 min

Lab File: VU060953.D

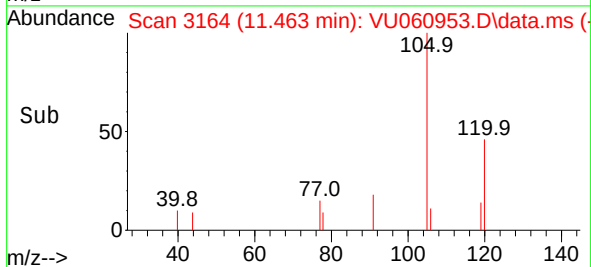
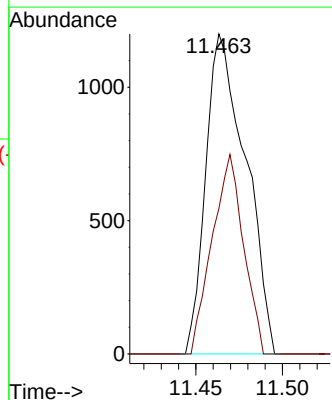
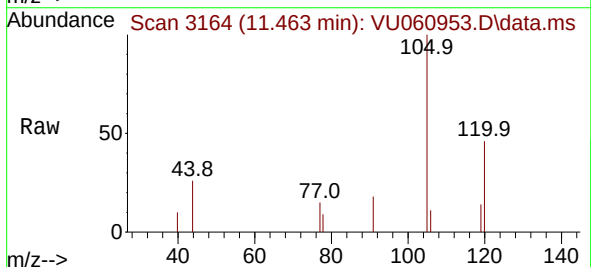
Acq: 20 Sep 2024 19:16

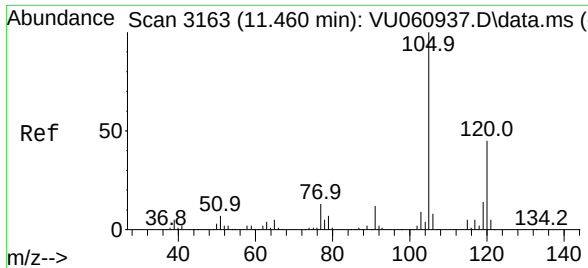
Tgt Ion:105 Resp: 1919

Ion Ratio Lower Upper

105 100

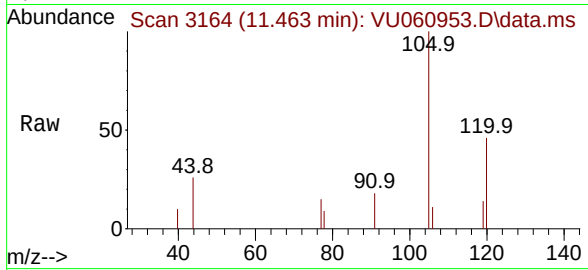
120 49.1 38.5 57.7





#63
 1,2,4-Trimethylbenzene
 Concen: 0.081 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.003 min
 Lab File: VU060953.D
 Acq: 20 Sep 2024 19:16

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:105 Resp: 1919

Ion	Ratio	Lower	Upper
105	100		
120	49.1	36.1	54.1

