

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
 Data File : VU060923.D
 Acq On : 20 Sep 2024 03:50
 Operator : MD/SY
 Sample : P3987-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 05:58:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 20 01:34:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.271	114	117039	5.000	ug/L	0.03
28) Chlorobenzene-d5	9.418	117	129155	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	58242	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.608	65	32834	3.119	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.400%
7) Chloroethane-d5	1.930	69	28409	3.790	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.573	65	15433	4.136	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	4.747	46	78760	46.605	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.200%
24) Chloroform-d	5.081	84	73194	4.548	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	5.734	65	37632	4.892	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.753	84	128617	3.715	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.400%
36) 1,2-Dichloropropane-d6	6.708	67	43737	4.084	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.600%
41) Toluene-d8	7.904	98	108933	3.452	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.000%#
43) trans-1,3-Dichloroprop...	8.187	79	13322	3.455	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.200%
46) 2-Hexanone-d5	8.647	63	74077	48.709	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.420%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	40704	4.851	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	48814	4.988	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.612	62	2148	0.213	ug/L #	1
8) Chloroethane	1.965	64	47235	7.654	ug/L #	55
12) 1,1-Dichloroethene	2.586	96	287048	38.990	ug/L #	65
14) Carbon disulfide	2.795	76	5891	0.288	ug/L #	86
16) Methylene chloride	3.055	84	14558	1.708	ug/L	94
17) Methyl tert-butyl Ether	3.399	73	2635	0.158	ug/L #	91
18) trans-1,2-Dichloroethene	3.358	96	7022	0.921	ug/L	87
19) 1,1-Dichloroethane	3.875	63	881923	57.579	ug/L	97
22) cis-1,2-Dichloroethene	4.679	96	333809	39.537	ug/L	95
33) Benzene	5.801	78	17761	0.500	ug/L	100
34) Trichloroethene	6.557	95	930111	99.908	ug/L	94
35) Methylcyclohexane	6.705	83	11453	0.897	ug/L #	18
42) Toluene	7.975	91	115560	3.112	ug/L	96
52) Ethylbenzene	9.573	91	18761	0.480	ug/L	94
53) m,p-Xylene	9.689	106	28434	1.918	ug/L	89
54) o-Xylene	10.097	106	10070	0.688	ug/L	91
60) Isopropylbenzene	11.290	105	3252	0.094	ug/L	93
62) 1,3,5-Trimethylbenzene	11.081	105	3398	0.127	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	14347	0.541	ug/L	95

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 20 01:34:14 2024
Response via : Initial Calibration

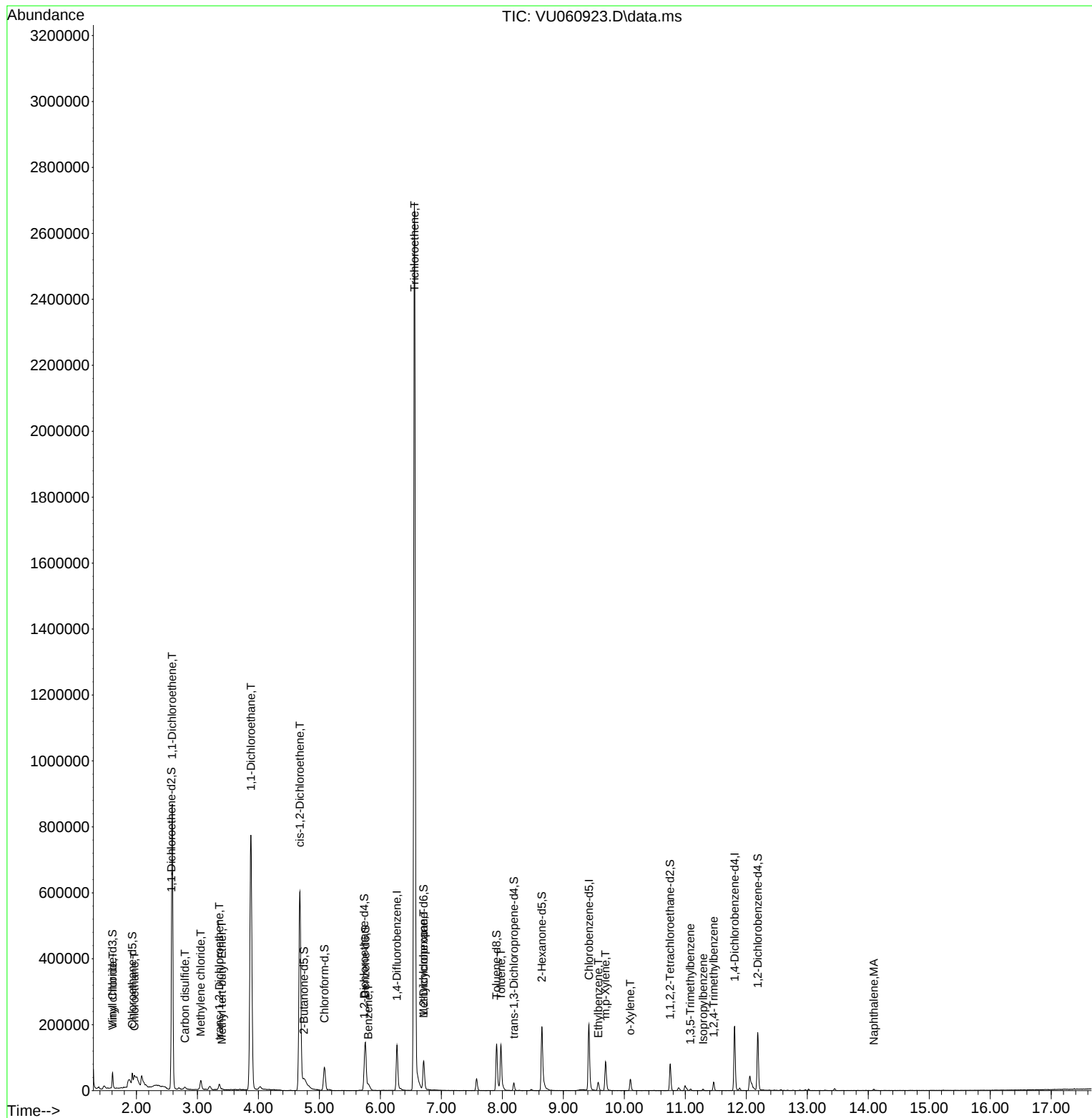
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.090	128	4393	0.364	ug/L	# 94

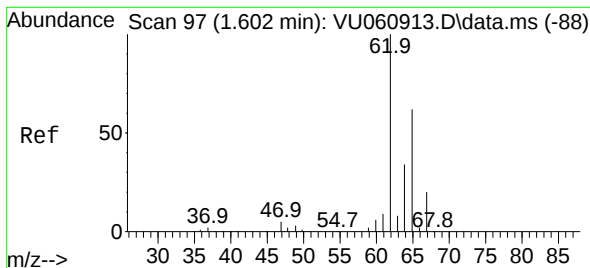
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.213 ug/L

RT: 1.612 min Scan# 10

Delta R.T. 0.010 min

Lab File: VU060923.D

Acq: 20 Sep 2024 03:50

Instrument :

MSVOA_U

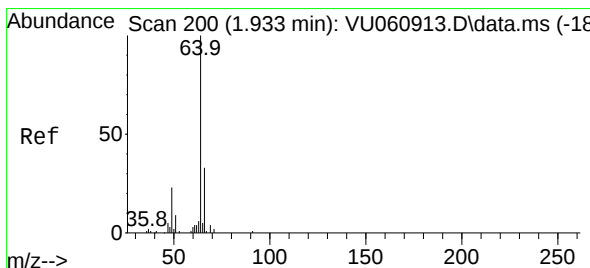
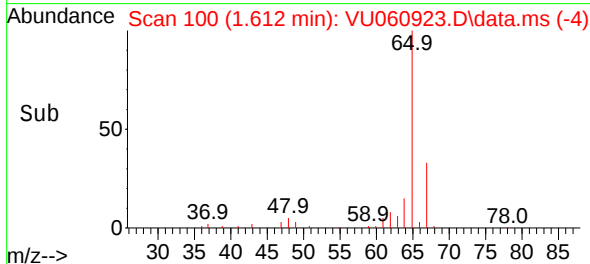
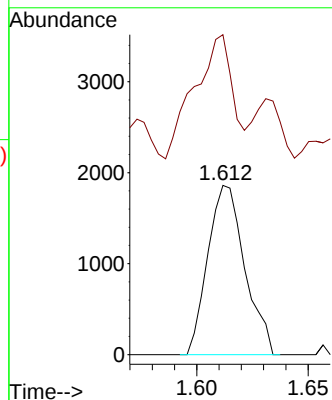
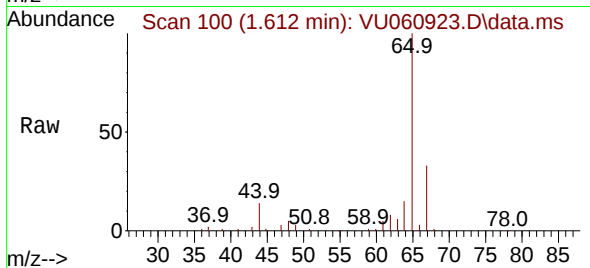
ClientSampleId :

Tgt Ion: 62 Resp: 2148

Ion Ratio Lower Upper

62 100

64 189.0 24.0 44.6#



#8

Chloroethane

Concen: 7.654 ug/L

RT: 1.965 min Scan# 210

Delta R.T. 0.032 min

Lab File: VU060923.D

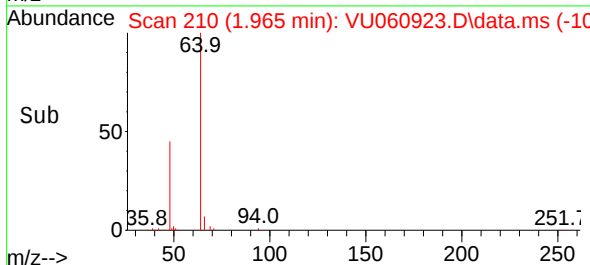
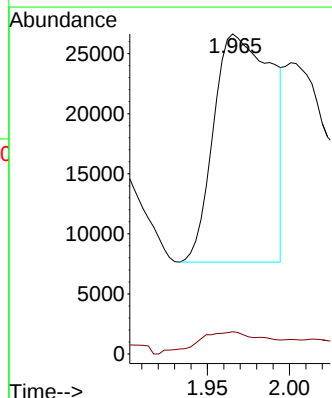
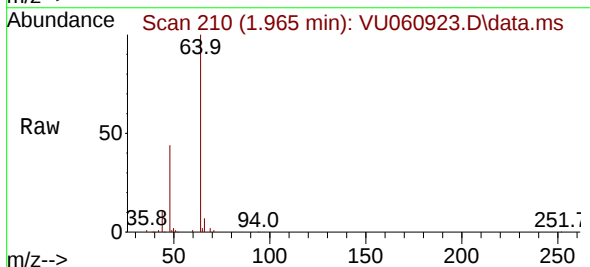
Acq: 20 Sep 2024 03:50

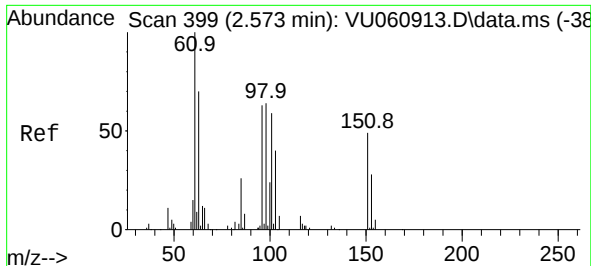
Tgt Ion: 64 Resp: 47235

Ion Ratio Lower Upper

64 100

66 6.8 22.3 41.3#

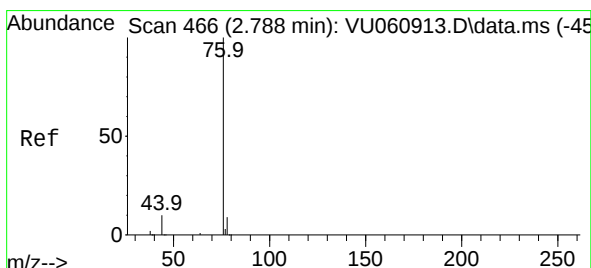
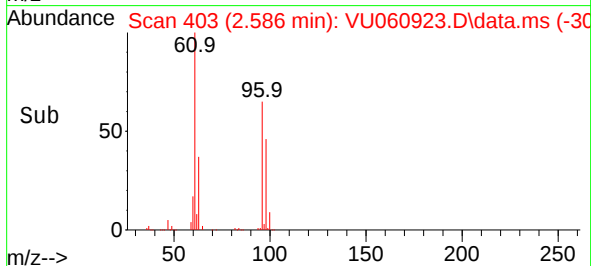
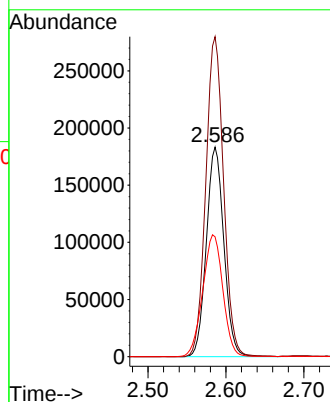
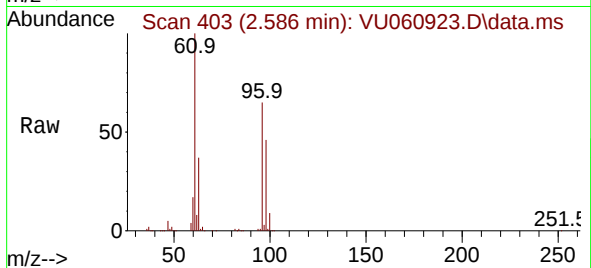




#12
1,1-Dichloroethene
Concen: 38.990 ug/L
RT: 2.586 min Scan# 403
Delta R.T. 0.013 min
Lab File: VU060923.D
Acq: 20 Sep 2024 03:50

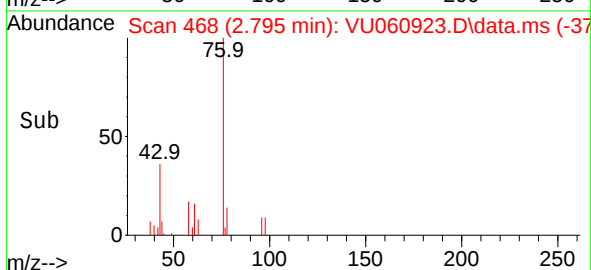
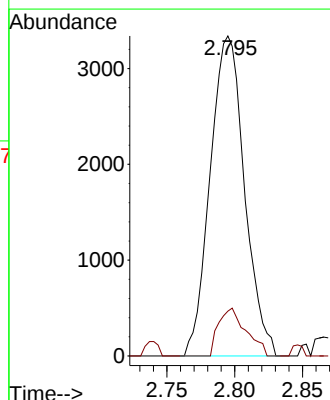
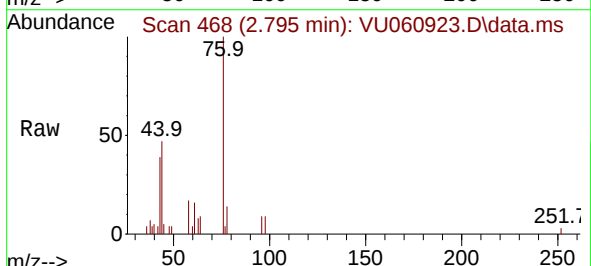
Instrument :
MSVOA_U
ClientSampleId :

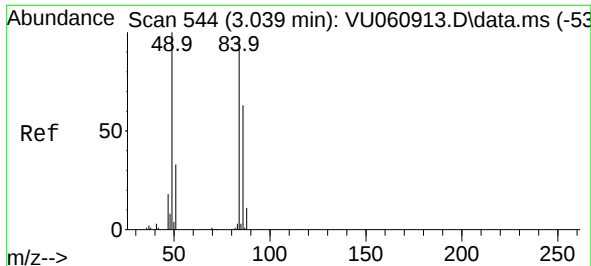
Tgt Ion: 96 Resp: 287048
Ion Ratio Lower Upper
96 100
61 152.7 120.7 224.1
63 57.2 90.0 167.2#



#14
Carbon disulfide
Concen: 0.288 ug/L
RT: 2.795 min Scan# 468
Delta R.T. 0.006 min
Lab File: VU060923.D
Acq: 20 Sep 2024 03:50

Tgt Ion: 76 Resp: 5891
Ion Ratio Lower Upper
76 100
78 14.0 7.1 10.7#

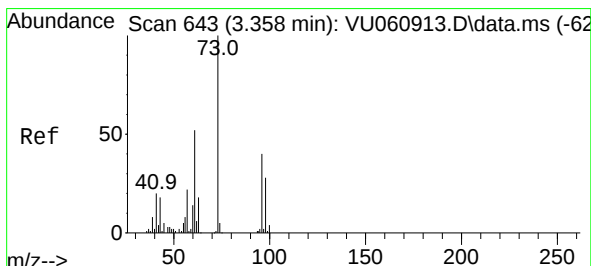
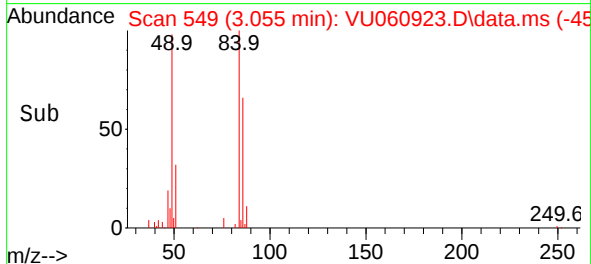
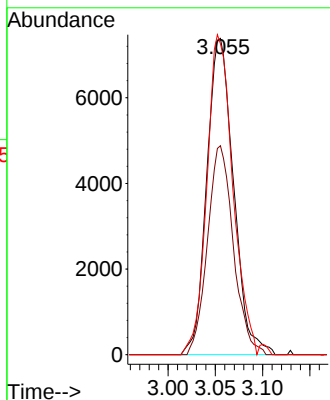
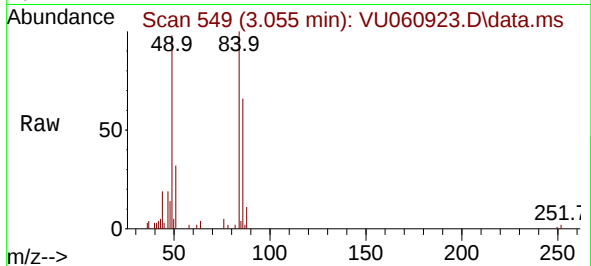




#16
Methylene chloride
Concen: 1.708 ug/L
RT: 3.055 min Scan# 544
Delta R.T. 0.016 min
Lab File: VU060923.D
Acq: 20 Sep 2024 03:50

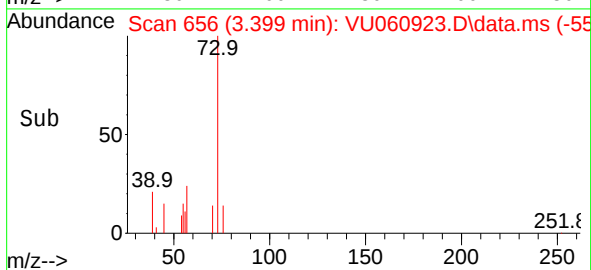
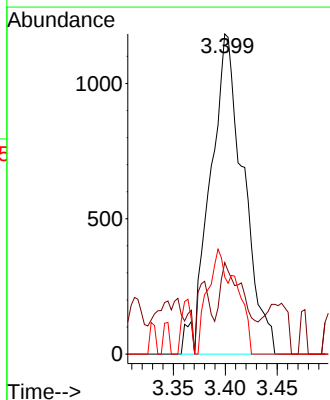
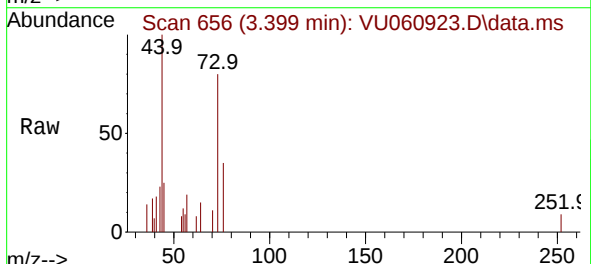
Instrument :
MSVOA_U
ClientSampleId :

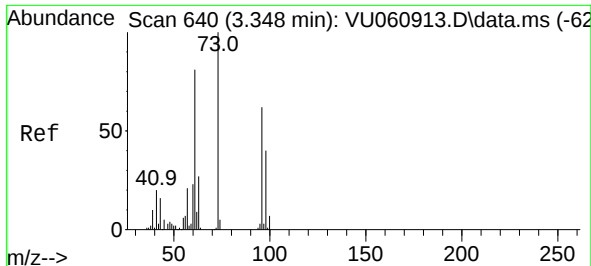
Tgt Ion: 84 Resp: 14558
Ion Ratio Lower Upper
84 100
86 66.0 47.3 87.8
49 103.5 78.7 146.1



#17
Methyl tert-butyl Ether
Concen: 0.158 ug/L
RT: 3.399 min Scan# 656
Delta R.T. 0.042 min
Lab File: VU060923.D
Acq: 20 Sep 2024 03:50

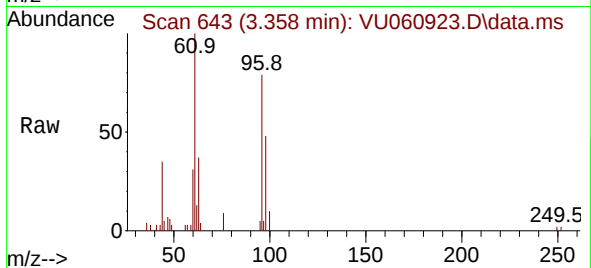
Tgt Ion: 73 Resp: 2635
Ion Ratio Lower Upper
73 100
43 21.3 13.8 20.8#
57 18.3 18.0 27.0





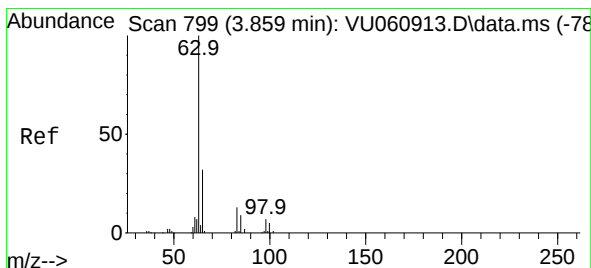
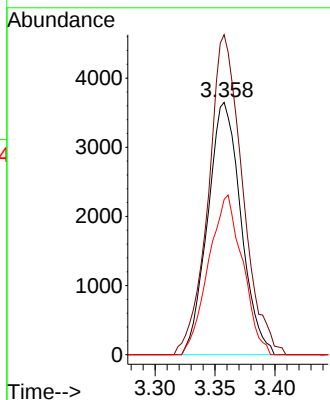
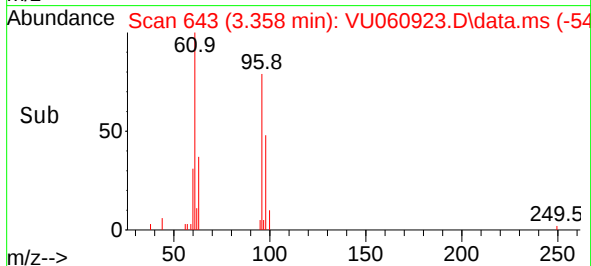
#18
trans-1,2-Dichloroethene
Concen: 0.921 ug/L
RT: 3.358 min Scan# 640
Delta R.T. 0.010 min
Lab File: VU060923.D
Acq: 20 Sep 2024 03:50

Instrument :
MSVOA_U
ClientSampleId :

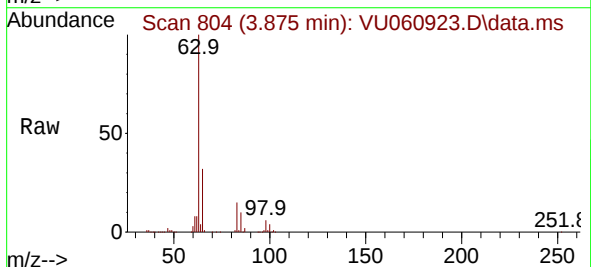


Tgt Ion: 96 Resp: 7022

Ion	Ratio	Lower	Upper
96	100		
61	118.7	97.2	180.6
98	57.5	43.3	80.5

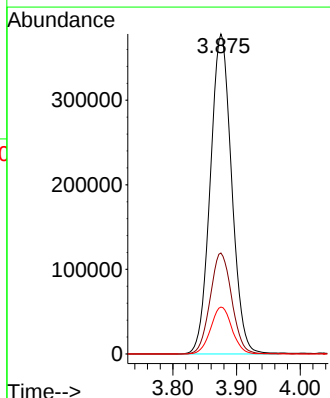
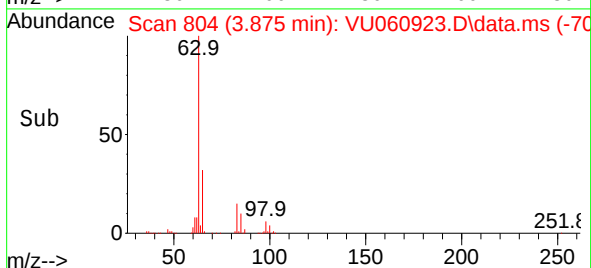


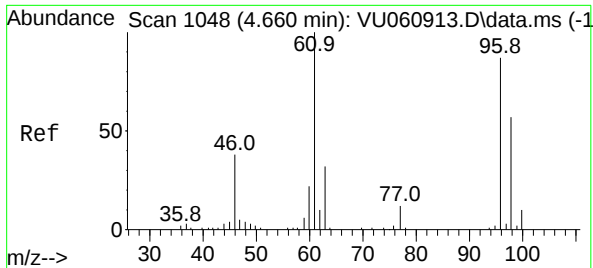
#19
1,1-Dichloroethane
Concen: 57.579 ug/L
RT: 3.875 min Scan# 804
Delta R.T. 0.016 min
Lab File: VU060923.D
Acq: 20 Sep 2024 03:50



Tgt Ion: 63 Resp: 881923

Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.0	42.8
83	14.7	9.0	16.6

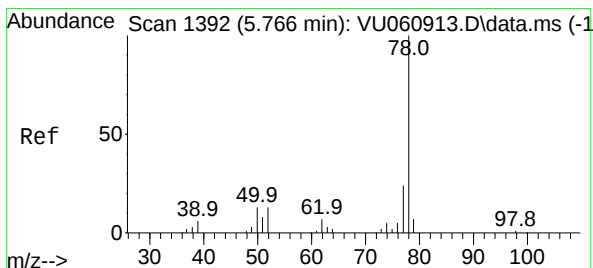
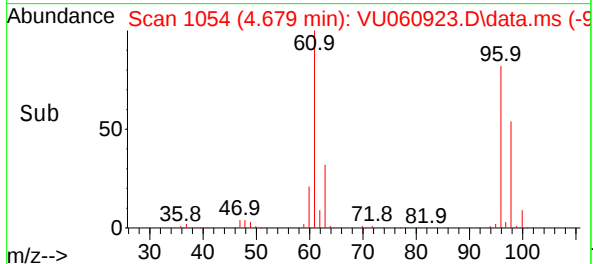
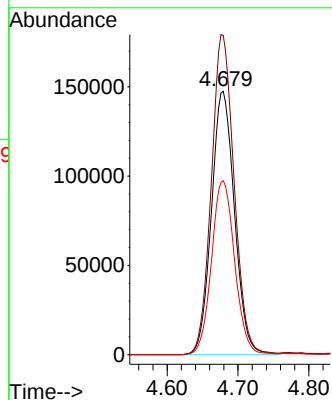
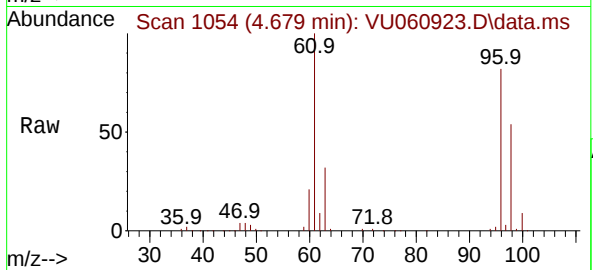




#22
 cis-1,2-Dichloroethene
 Concen: 39.537 ug/L
 RT: 4.679 min Scan# 1
 Delta R.T. 0.019 min
 Lab File: VU060923.D
 Acq: 20 Sep 2024 03:50

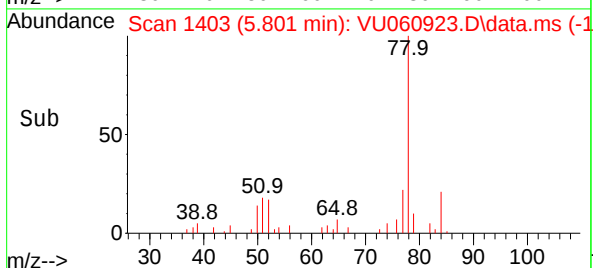
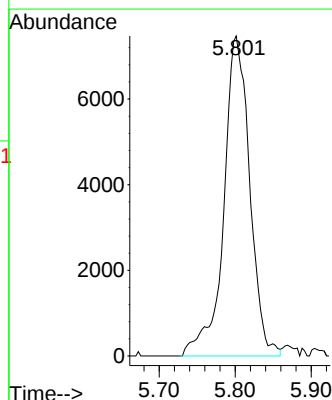
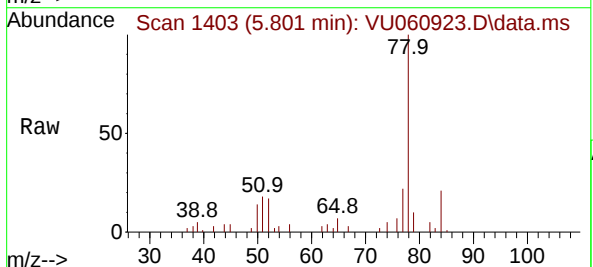
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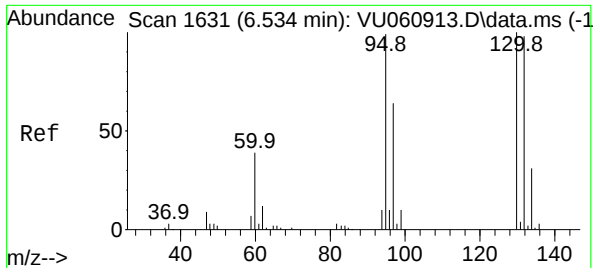
Tgt Ion: 96 Resp: 333809
 Ion Ratio Lower Upper
 96 100
 61 121.3 89.7 166.5
 98 66.0 45.1 83.9



#33
 Benzene
 Concen: 0.500 ug/L
 RT: 5.801 min Scan# 1403
 Delta R.T. 0.035 min
 Lab File: VU060923.D
 Acq: 20 Sep 2024 03:50

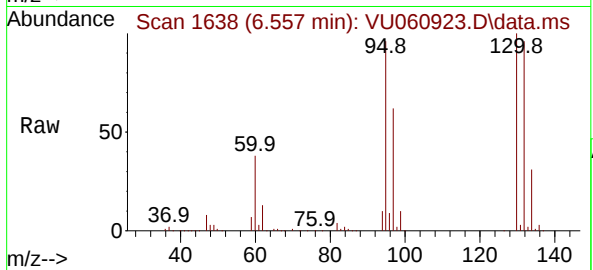
Tgt Ion: 78 Resp: 17761



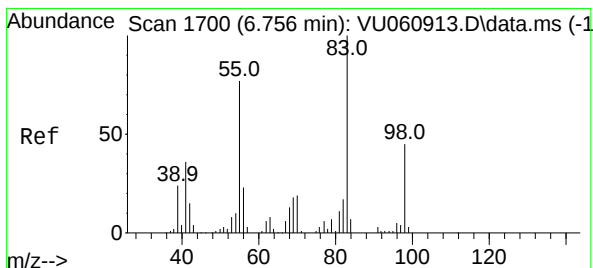
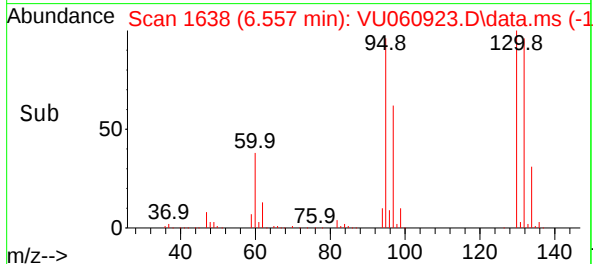
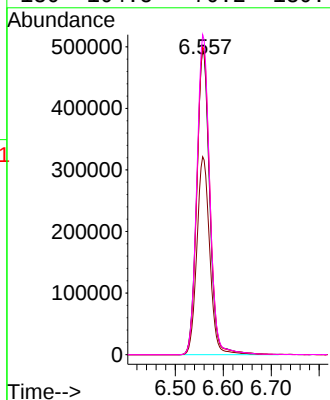


#34
Trichloroethene
Concen: 99.908 ug/L
RT: 6.557 min Scan# 1638
Delta R.T. 0.023 min
Lab File: VU060923.D
Acq: 20 Sep 2024 03:50

Instrument :
MSVOA_U
ClientSampleId :

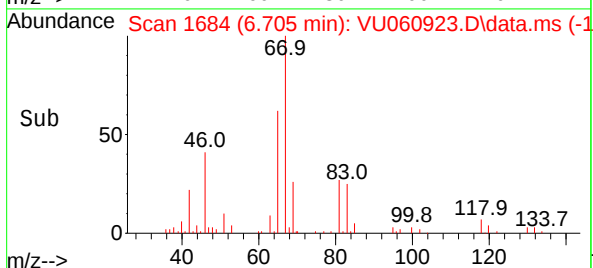
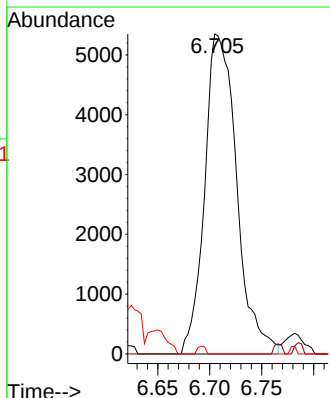
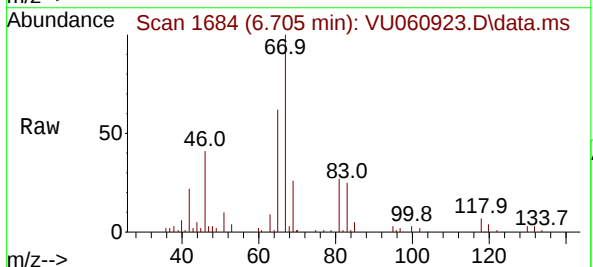


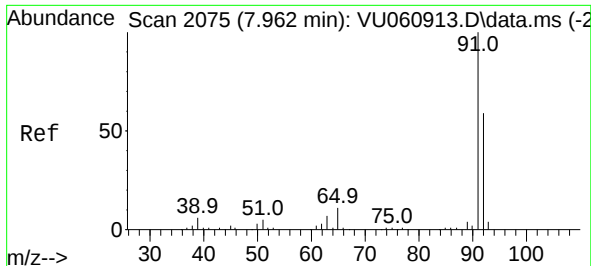
Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.9	83.5
132	100.5	63.5	117.9
130	104.5	70.2	130.4



#35
Methylcyclohexane
Concen: 0.897 ug/L
RT: 6.705 min Scan# 1684
Delta R.T. -0.051 min
Lab File: VU060923.D
Acq: 20 Sep 2024 03:50

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.8	62.6	94.0#
98	0.0	37.6	56.4#

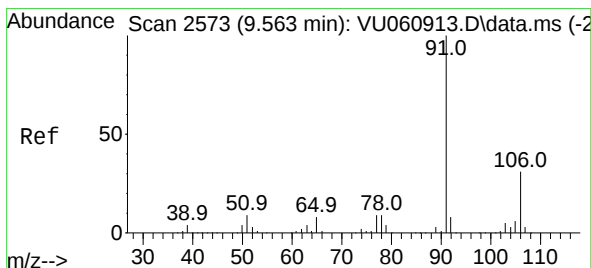
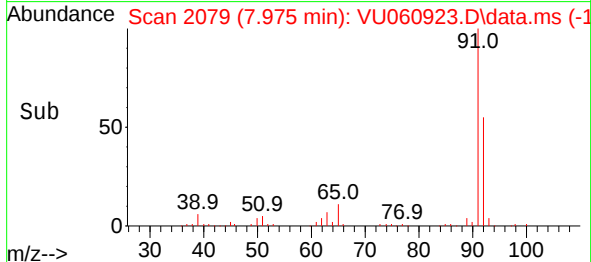
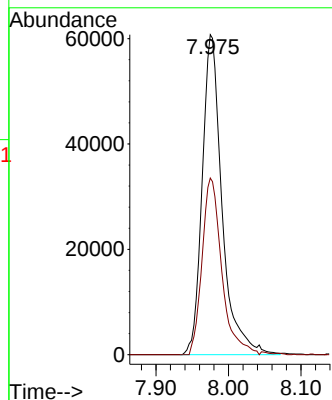
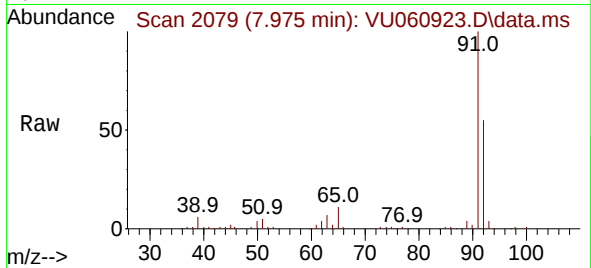




#42
Toluene
Concen: 3.112 ug/L
RT: 7.975 min Scan# 2075
Delta R.T. 0.013 min
Lab File: VU060923.D
Acq: 20 Sep 2024 03:50

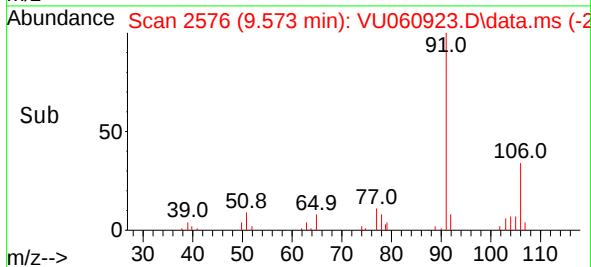
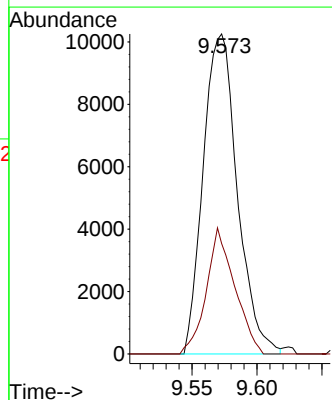
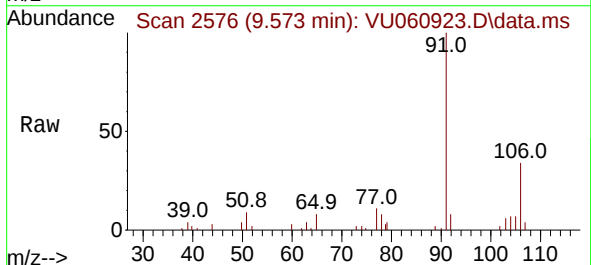
Instrument :
MSVOA_U
ClientSampleId :

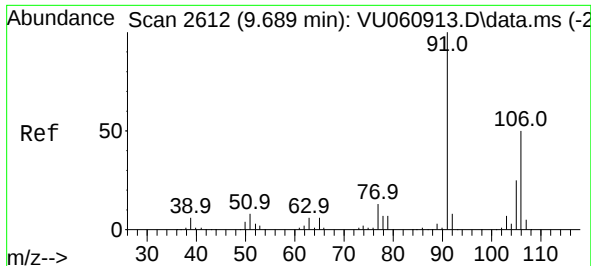
Tgt Ion: 91 Resp: 115560
Ion Ratio Lower Upper
91 100
92 55.2 40.5 75.3



#52
Ethylbenzene
Concen: 0.480 ug/L
RT: 9.573 min Scan# 2576
Delta R.T. 0.010 min
Lab File: VU060923.D
Acq: 20 Sep 2024 03:50

Tgt Ion: 91 Resp: 18761
Ion Ratio Lower Upper
91 100
106 34.5 21.8 40.6





#53

m,p-Xylene

Concen: 1.918 ug/L

RT: 9.689 min Scan# 2

Delta R.T. 0.000 min

Lab File: VU060923.D

Acq: 20 Sep 2024 03:50

Instrument :

MSVOA_U

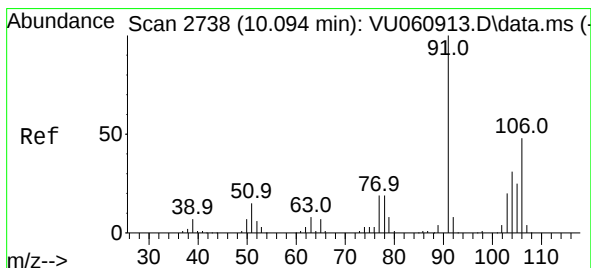
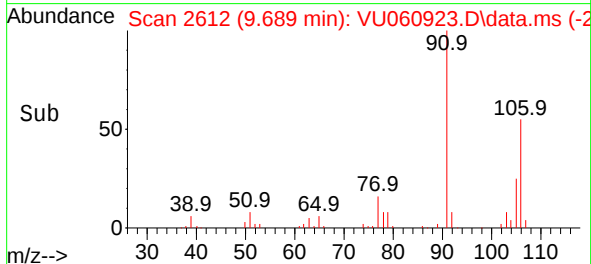
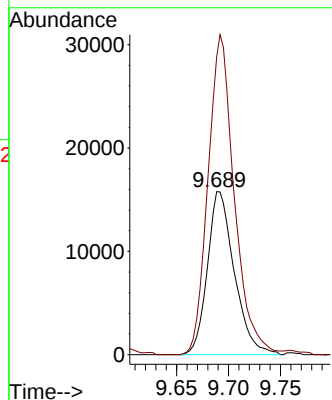
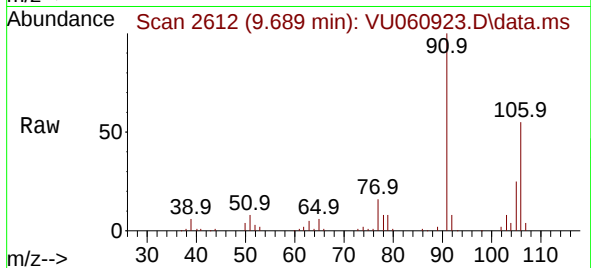
ClientSampleId :

Tgt Ion:106 Resp: 28434

Ion Ratio Lower Upper

106 100

91 182.6 139.7 259.4



#54

o-Xylene

Concen: 0.688 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.003 min

Lab File: VU060923.D

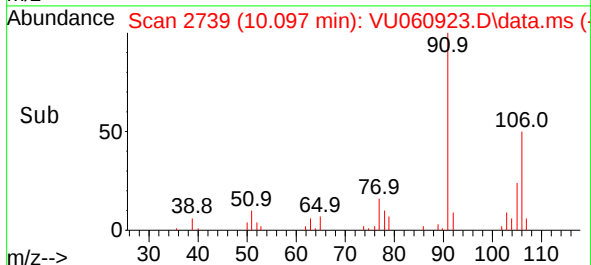
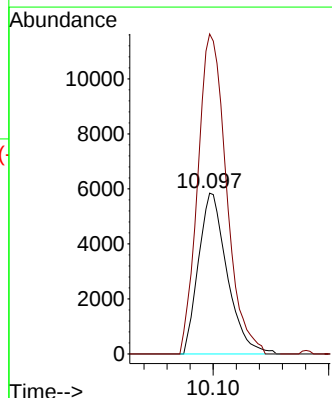
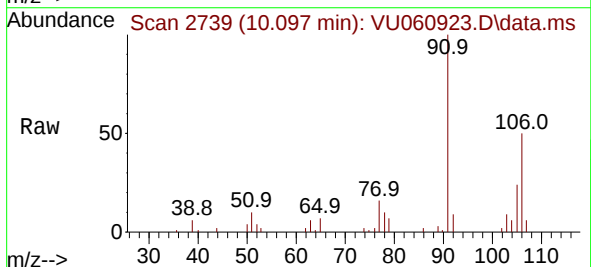
Acq: 20 Sep 2024 03:50

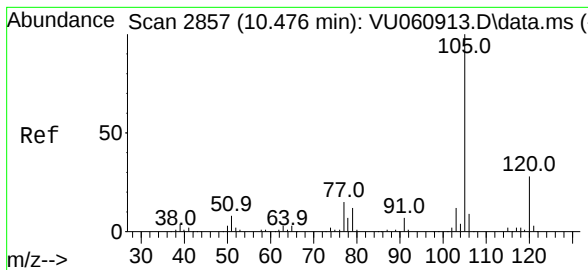
Tgt Ion:106 Resp: 10070

Ion Ratio Lower Upper

106 100

91 198.9 148.6 276.0





#60

Isopropylbenzene

Concen: 0.094 ug/L

RT: 11.290 min Scan# 3110

Delta R.T. 0.813 min

Lab File: VU060923.D

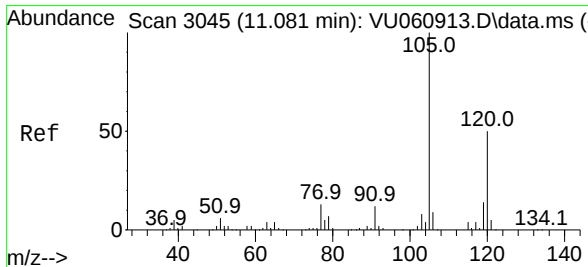
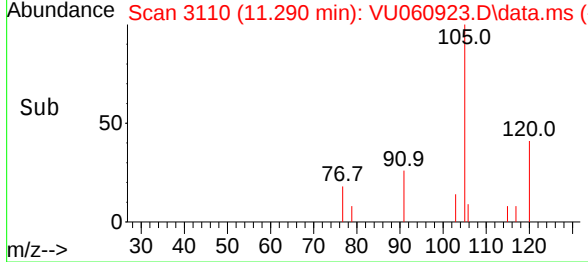
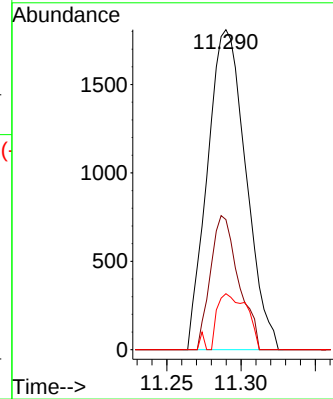
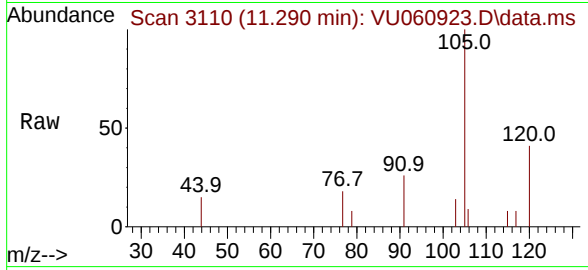
Acq: 20 Sep 2024 03:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:105	Resp:	3252
Ion Ratio	Lower	Upper
105	100	
120	30.8	21.5 32.3
77	13.4	12.6 18.8



#62

1,3,5-Trimethylbenzene

Concen: 0.127 ug/L

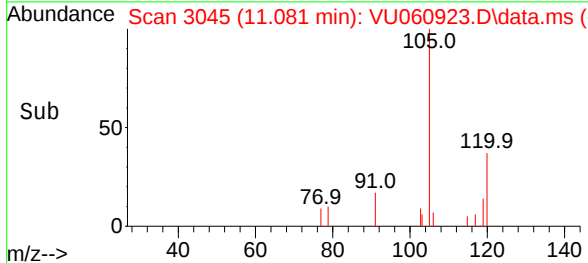
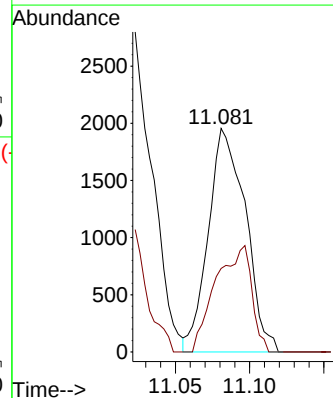
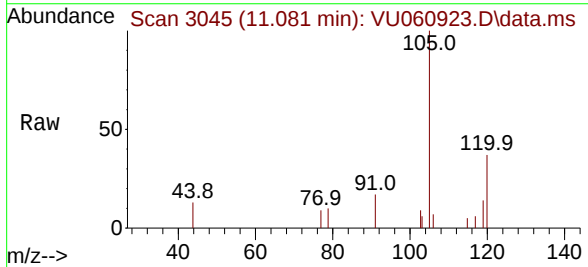
RT: 11.081 min Scan# 3045

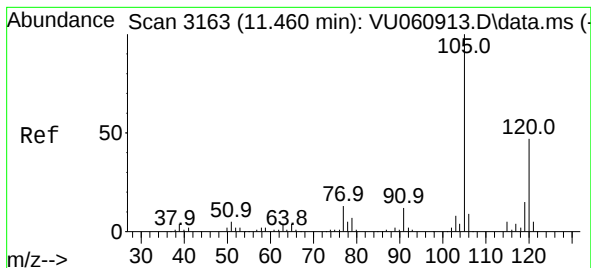
Delta R.T. 0.000 min

Lab File: VU060923.D

Acq: 20 Sep 2024 03:50

Tgt Ion:105	Resp:	3398
Ion Ratio	Lower	Upper
105	100	
120	46.1	38.5 57.7





#63

1,2,4-Trimethylbenzene

Concen: 0.541 ug/L

RT: 11.463 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU060923.D

Acq: 20 Sep 2024 03:50

Instrument :

MSVOA_U

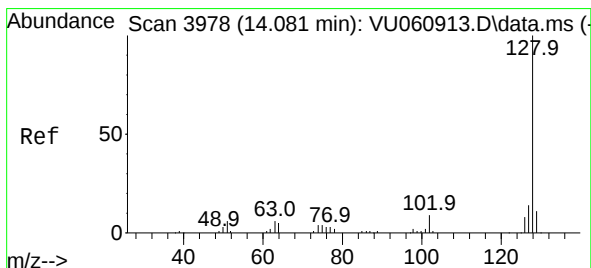
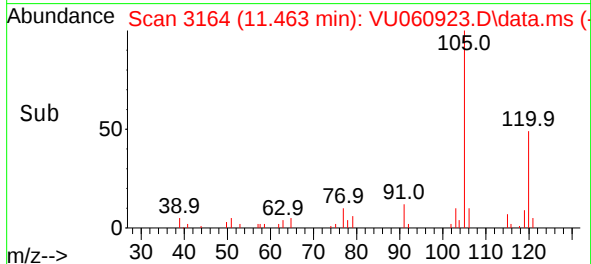
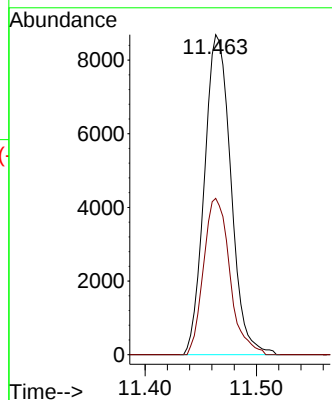
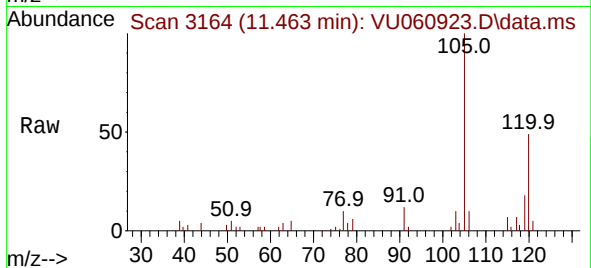
ClientSampleId :

Tgt Ion:105 Resp: 14347

Ion Ratio Lower Upper

105 100

120 48.4 36.1 54.1



#71

Naphthalene

Concen: 0.364 ug/L

RT: 14.090 min Scan# 3981

Delta R.T. 0.010 min

Lab File: VU060923.D

Acq: 20 Sep 2024 03:50

Tgt Ion:128 Resp: 4393

Ion Ratio Lower Upper

128 100

129 8.2 8.3 12.5#

127 10.8 10.7 16.1

