

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092324\
 Data File : VU060977.D
 Acq On : 23 Sep 2024 16:27
 Operator : MD/SY
 Sample : P4092-12DL 200X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 06:10:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 24 06:06:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	131583	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	140527	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	59366	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	53526	4.523	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.400%
7) Chloroethane-d5	1.908	69	41656	4.944	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.560	65	19578	4.667	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	4.634	46	93276	49.094	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.180%
24) Chloroform-d	5.055	84	86069	4.757	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.695	65	43880	5.074	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.400%
32) Benzene-d6	5.718	84	166758	4.427	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.682	67	55365	4.751	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.891	98	140747	4.099	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	8.174	79	17871	4.260	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.628	63	71549	43.239	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.480%
56) 1,1,2,2-Tetrachloroeth...	10.747	84	42433	4.648	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	48749	4.887	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	4587	0.404	ug/L	82
12) 1,1-Dichloroethene	2.576	96	1533	0.185	ug/L #	1
16) Methylene chloride	3.043	84	5284	0.551	ug/L	90
22) cis-1,2-Dichloroethene	4.663	96	13360	1.407	ug/L	85
34) Trichloroethene	6.538	95	65748	6.491	ug/L	98
35) Methylcyclohexane	6.679	83	11891	0.856	ug/L #	18
37) 1,2-Dichloropropane	6.679	63	5777	0.543	ug/L #	93
47) Tetrachloroethene	8.547	164	7612	0.946	ug/L	91
49) Dibromochloromethane	8.550	129	7150	0.817	ug/L #	9
52) Ethylbenzene	9.567	91	5285	0.124	ug/L	98
53) m,p-Xylene	9.689	106	7830	0.486	ug/L	78
54) o-Xylene	10.097	106	4599	0.289	ug/L	71
60) Isopropylbenzene	11.293	105	2626	0.075	ug/L	92
61) 1,2,3-Trichloropropane	10.978	75	5602	1.012	ug/L #	56
62) 1,3,5-Trimethylbenzene	11.091	105	2353	0.086	ug/L	94
63) 1,2,4-Trimethylbenzene	11.464	105	6851	0.254	ug/L	99

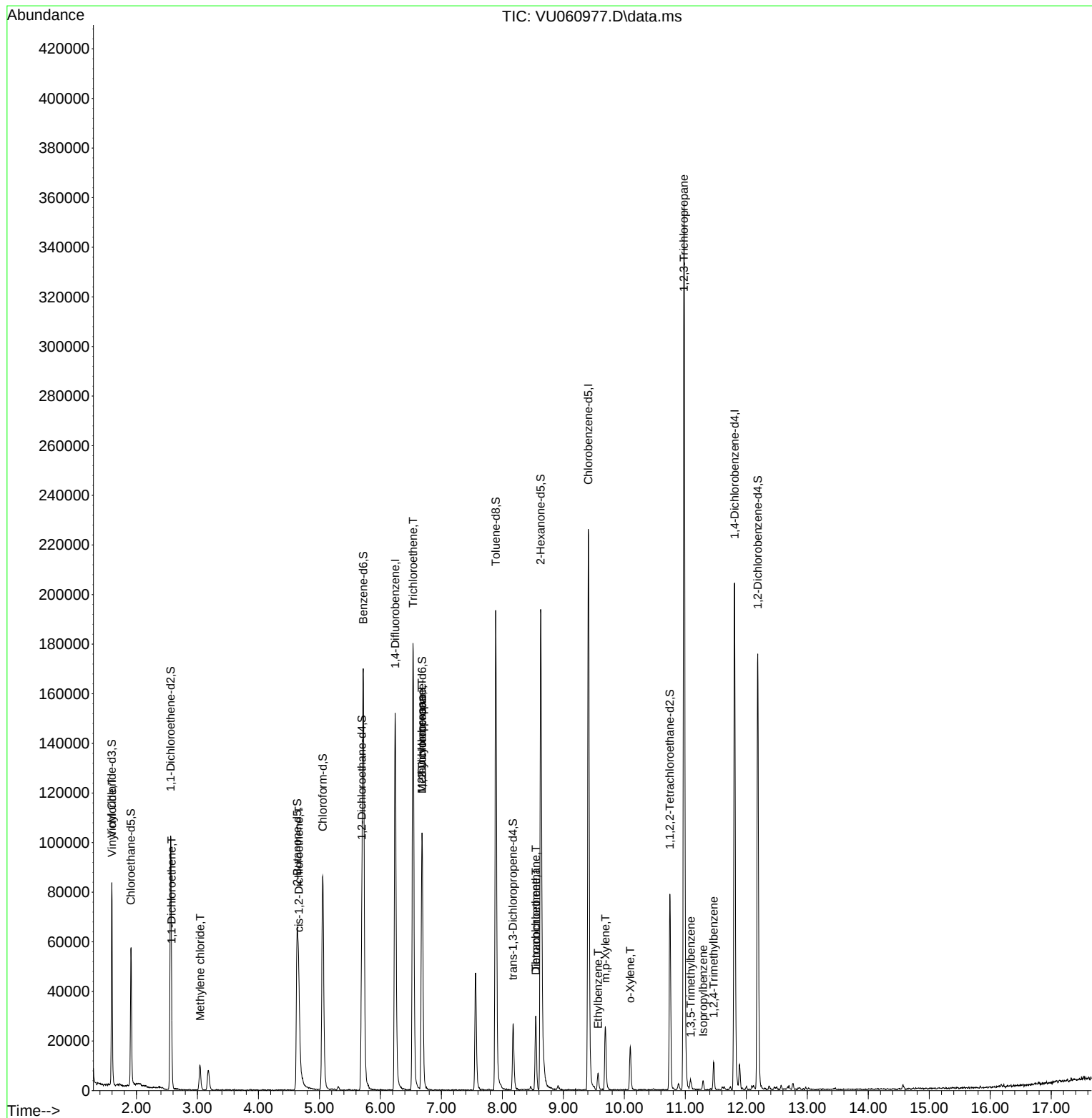
(#) = qualifier out of range (m) = manual integration (+) = signals summed

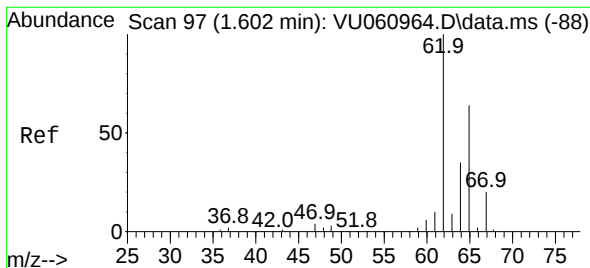
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092324\
Data File : VU060977.D
Acq On : 23 Sep 2024 16:27
Operator : MD/SY
Sample : P4092-12DL 200X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 24 06:10:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Sep 24 06:06:45 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.404 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU060977.D

Acq: 23 Sep 2024 16:27

Instrument :

MSVOA_U

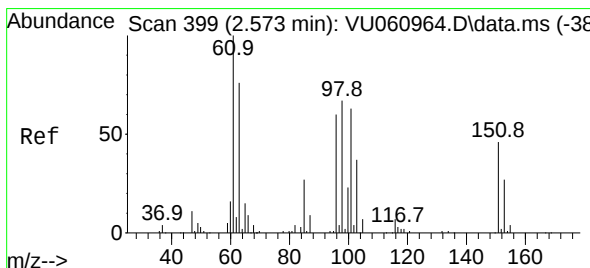
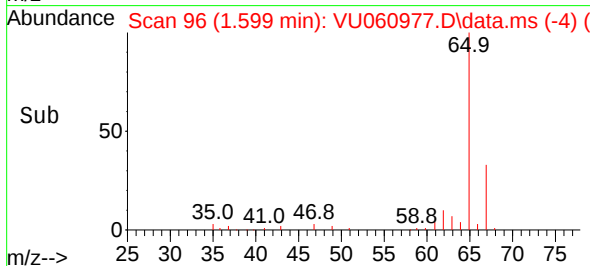
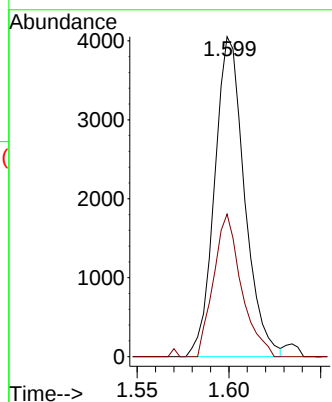
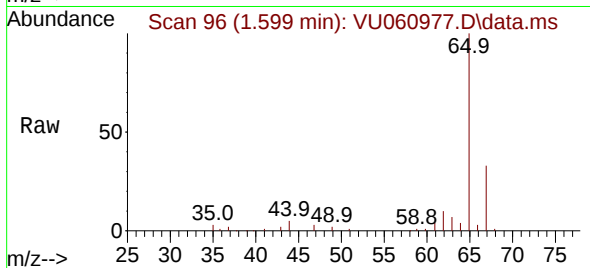
ClientSampleId :

Tgt Ion: 62 Resp: 4587

Ion Ratio Lower Upper

62 100

64 44.5 24.0 44.6



#12

1,1-Dichloroethene

Concen: 0.185 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU060977.D

Acq: 23 Sep 2024 16:27

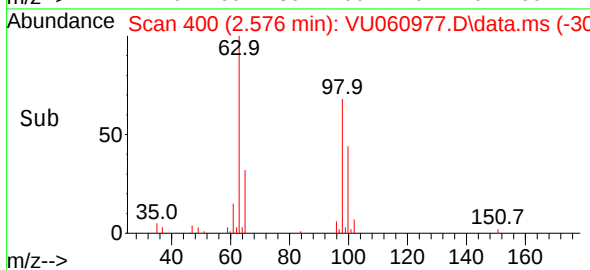
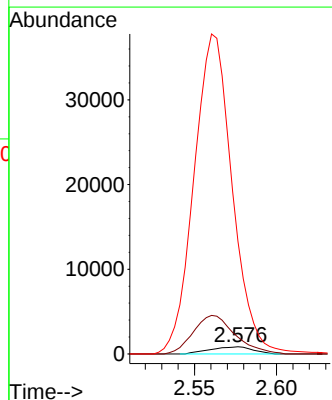
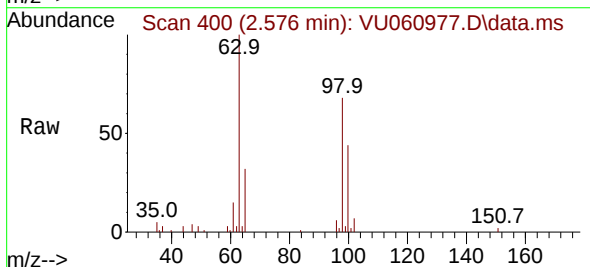
Tgt Ion: 96 Resp: 1533

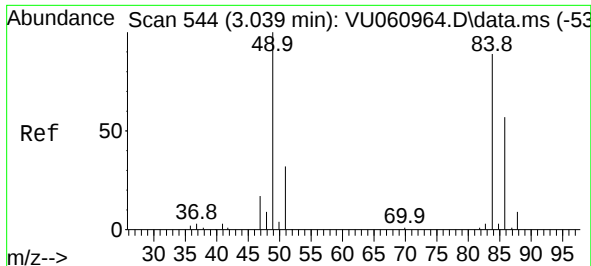
Ion Ratio Lower Upper

96 100

61 234.1 120.7 224.1#

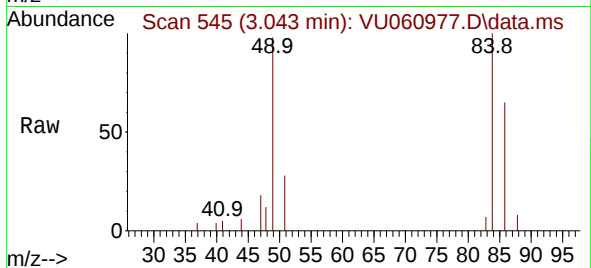
63 1569.0 90.0 167.2#



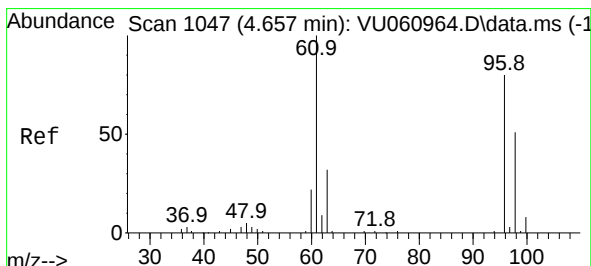
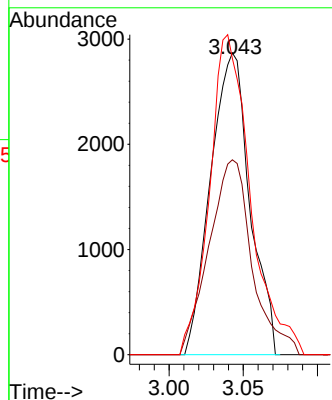
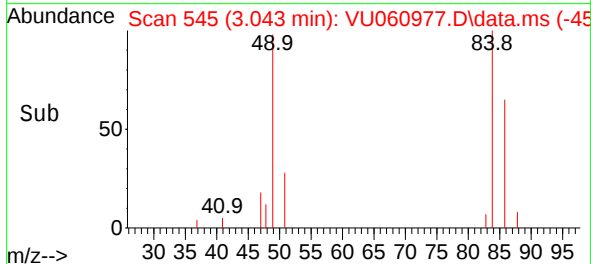


#16
Methylene chloride
Concen: 0.551 ug/L
RT: 3.043 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU060977.D
Acq: 23 Sep 2024 16:27

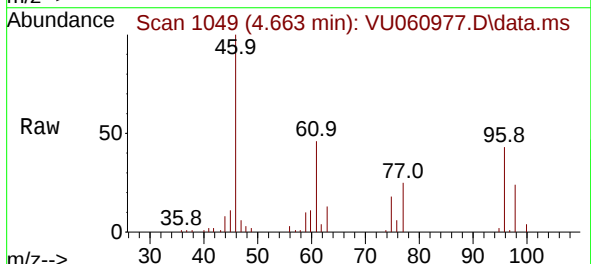
Instrument :
MSVOA_U
ClientSampleId :



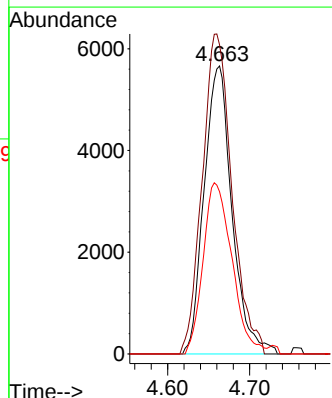
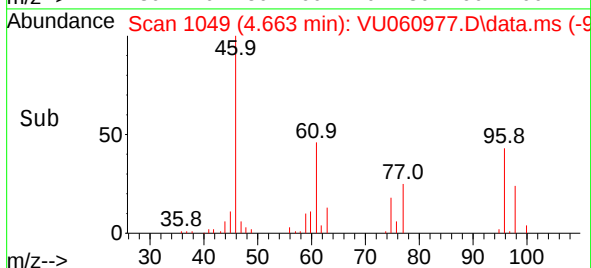
Tgt Ion: 84 Resp: 5284
Ion Ratio Lower Upper
84 100
86 64.6 47.3 87.8
49 98.2 78.7 146.1

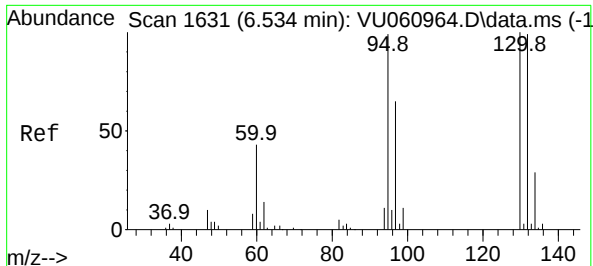


#22
cis-1,2-Dichloroethene
Concen: 1.407 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.007 min
Lab File: VU060977.D
Acq: 23 Sep 2024 16:27



Tgt Ion: 96 Resp: 13360
Ion Ratio Lower Upper
96 100
61 107.3 89.7 166.5
98 56.3 45.1 83.9





#34

Trichloroethene

Concen: 6.491 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060977.D

Acq: 23 Sep 2024 16:27

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 65748

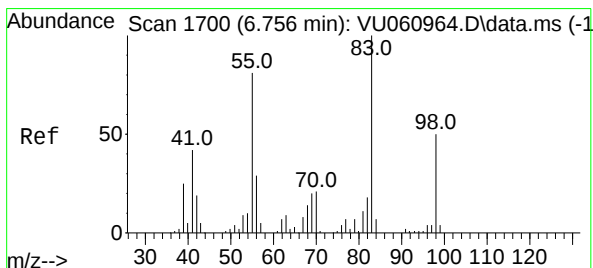
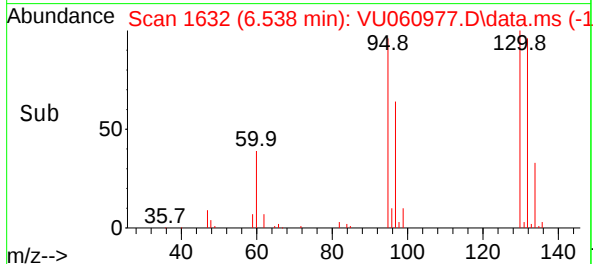
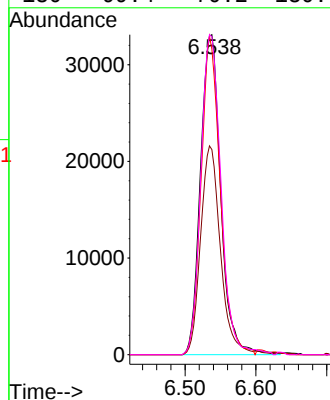
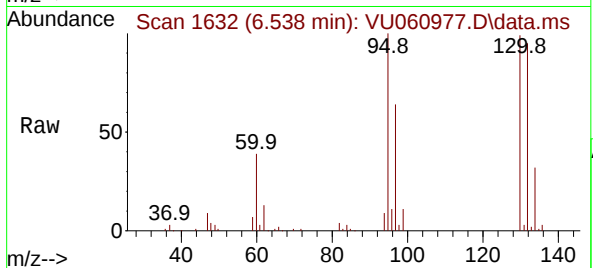
Ion Ratio Lower Upper

95 100

97 64.1 44.9 83.5

132 95.5 63.5 117.9

130 99.4 70.2 130.4



#35

Methylcyclohexane

Concen: 0.856 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.077 min

Lab File: VU060977.D

Acq: 23 Sep 2024 16:27

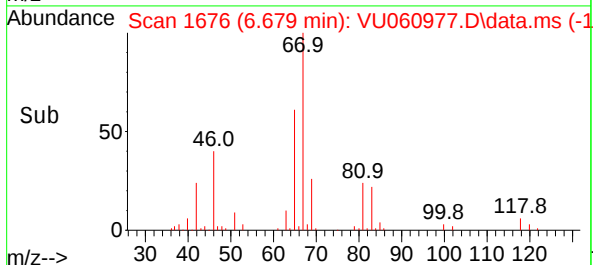
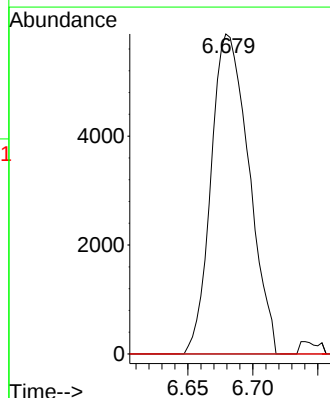
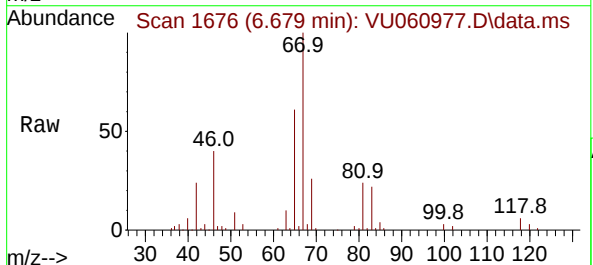
Tgt Ion: 83 Resp: 11891

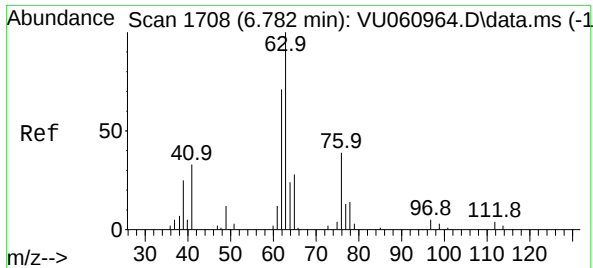
Ion Ratio Lower Upper

83 100

55 0.2 62.6 94.0#

98 0.0 37.6 56.4#

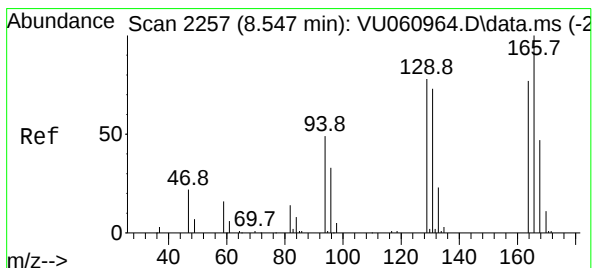
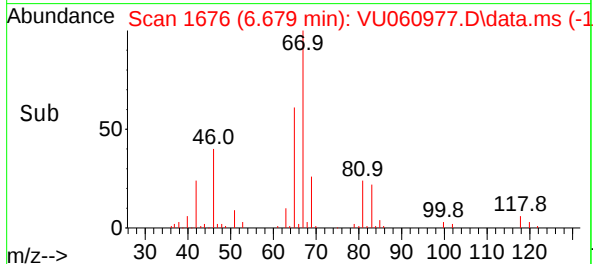
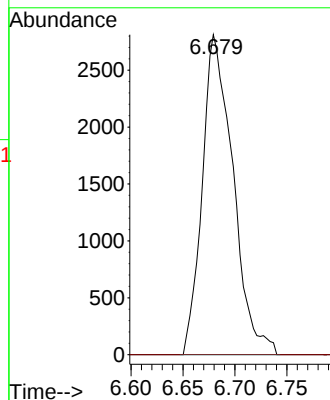
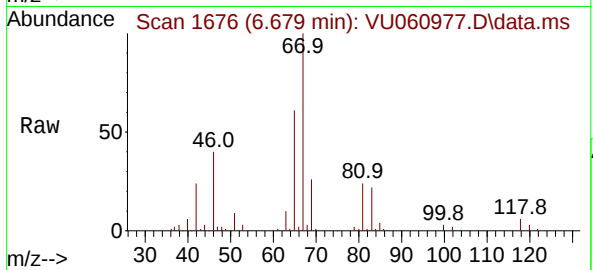




#37
1,2-Dichloropropane
Concen: 0.543 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU060977.D
Acq: 23 Sep 2024 16:27

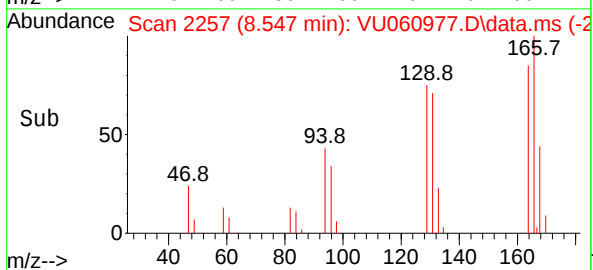
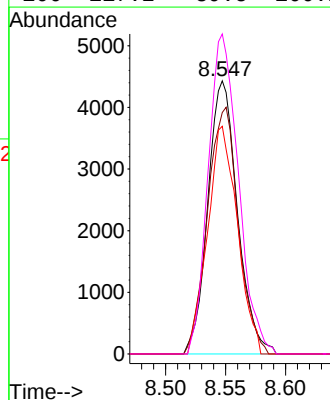
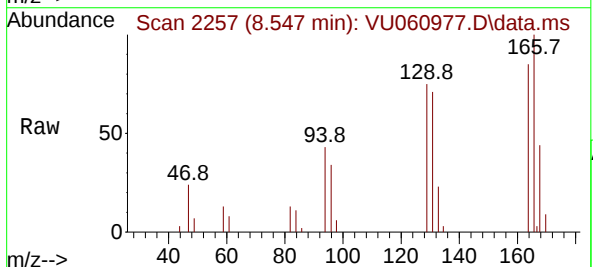
Instrument :
MSVOA_U
ClientSampleId :

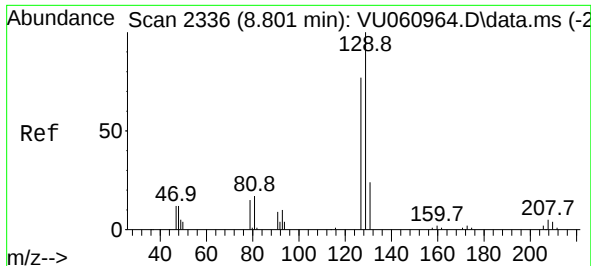
Tgt Ion: 63 Resp: 5777
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#47
Tetrachloroethene
Concen: 0.946 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU060977.D
Acq: 23 Sep 2024 16:27

Tgt Ion: 164 Resp: 7612
Ion Ratio Lower Upper
164 100
129 88.4 67.3 124.9
131 83.3 65.4 121.4
166 117.2 89.5 166.1





#49

Dibromochloromethane

Concen: 0.817 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.251 min

Lab File: VU060977.D

Acq: 23 Sep 2024 16:27

Instrument :

MSVOA_U

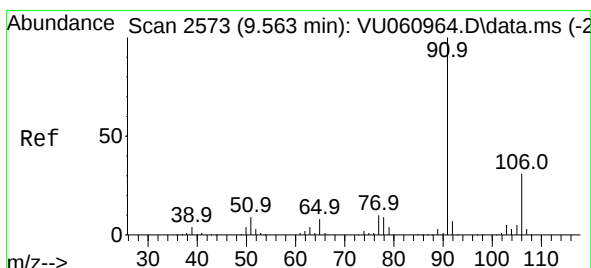
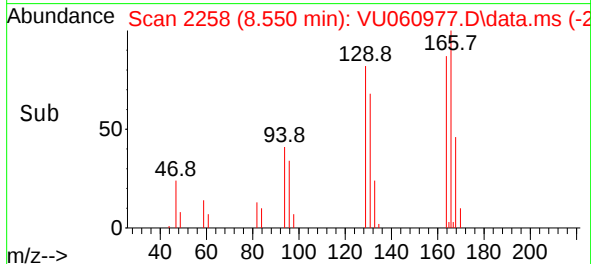
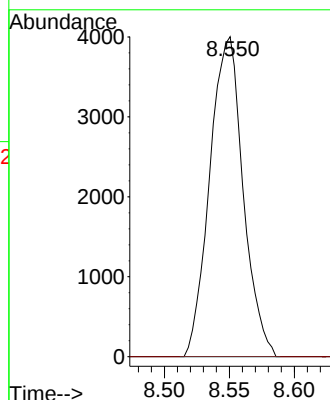
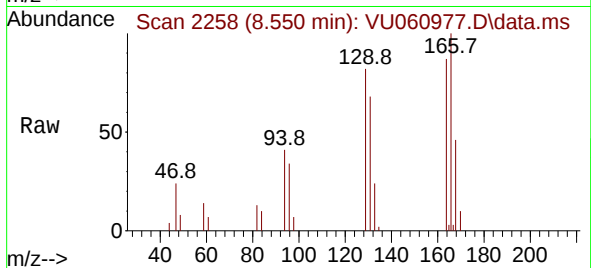
ClientSampleId :

Tgt Ion:129 Resp: 7150

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#



#52

Ethylbenzene

Concen: 0.124 ug/L

RT: 9.567 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU060977.D

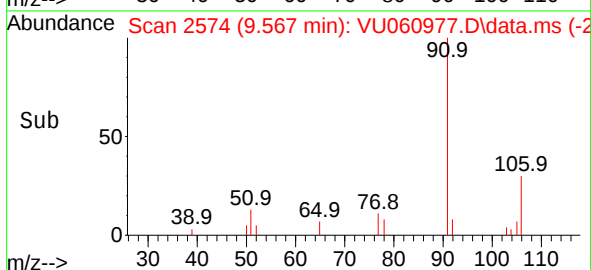
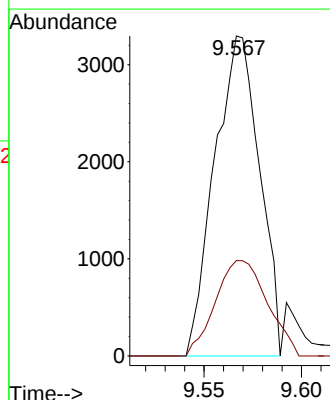
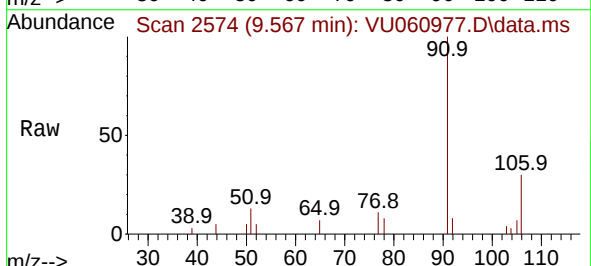
Acq: 23 Sep 2024 16:27

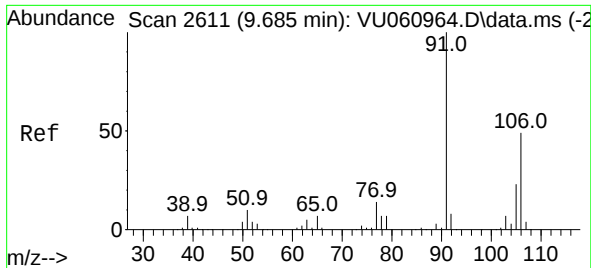
Tgt Ion: 91 Resp: 5285

Ion Ratio Lower Upper

91 100

106 29.8 21.8 40.6

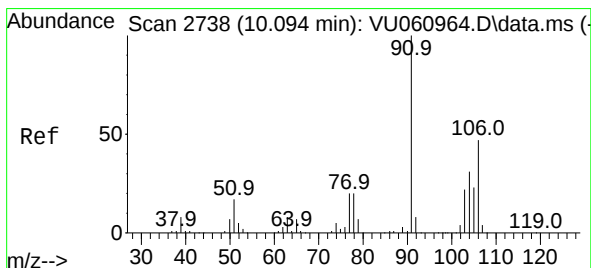
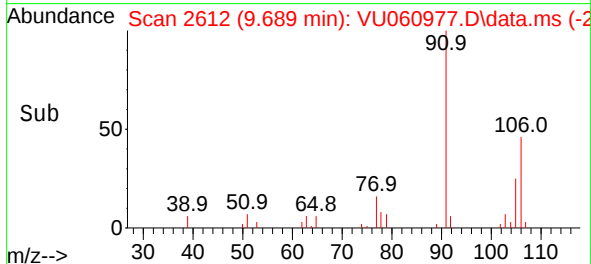
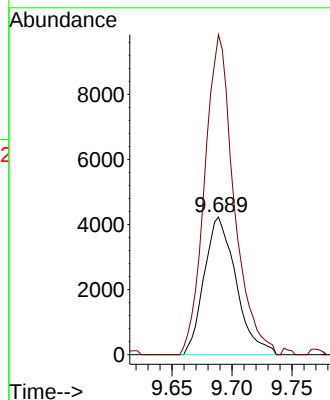
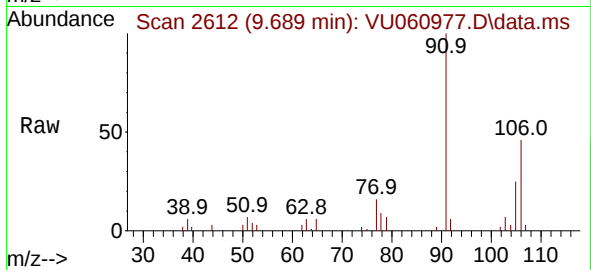




#53
m,p-Xylene
Concen: 0.486 ug/L
RT: 9.689 min Scan# 2611
Delta R.T. 0.003 min
Lab File: VU060977.D
Acq: 23 Sep 2024 16:27

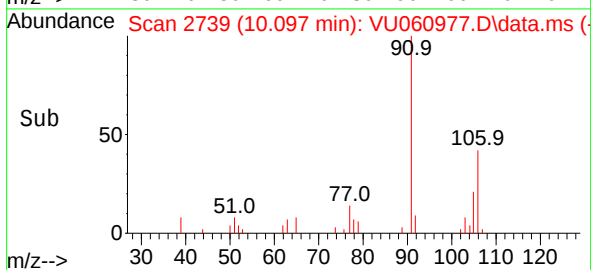
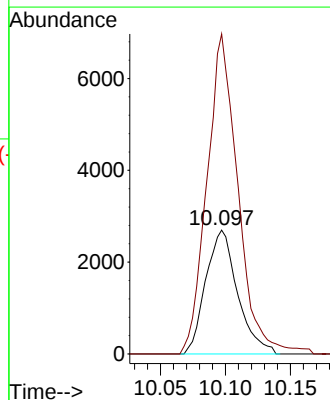
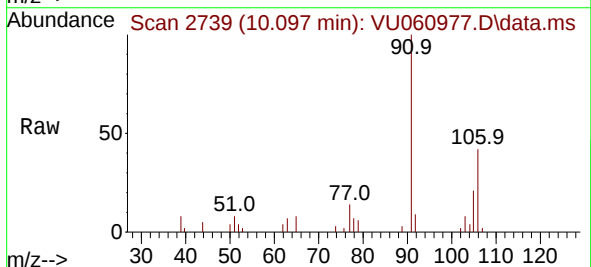
Instrument :
MSVOA_U
ClientSampleId :

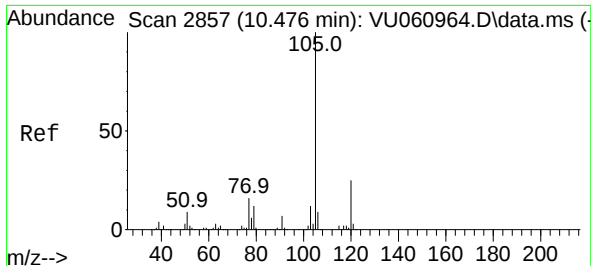
Tgt Ion:106 Resp: 7830
Ion Ratio Lower Upper
106 100
91 232.5 139.7 259.4



#54
o-Xylene
Concen: 0.289 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU060977.D
Acq: 23 Sep 2024 16:27

Tgt Ion:106 Resp: 4599
Ion Ratio Lower Upper
106 100
91 258.3 148.6 276.0

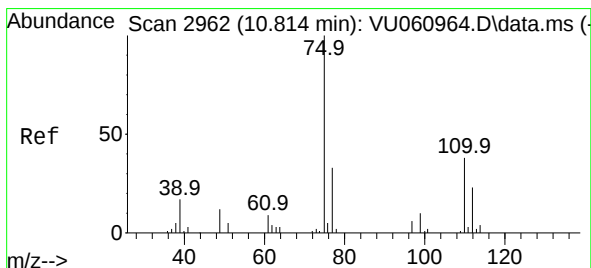
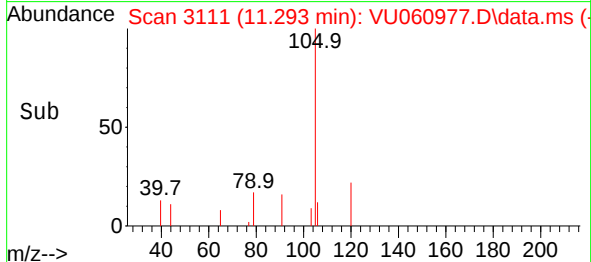
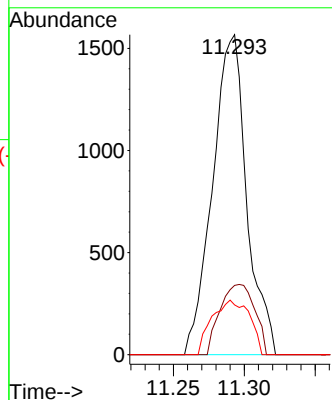
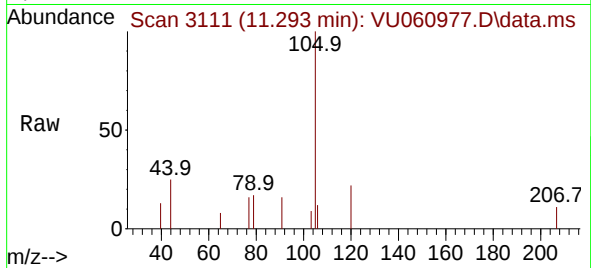




#60
Isopropylbenzene
Concen: 0.075 ug/L
RT: 11.293 min Scan# 3111
Delta R.T. 0.817 min
Lab File: VU060977.D
Acq: 23 Sep 2024 16:27

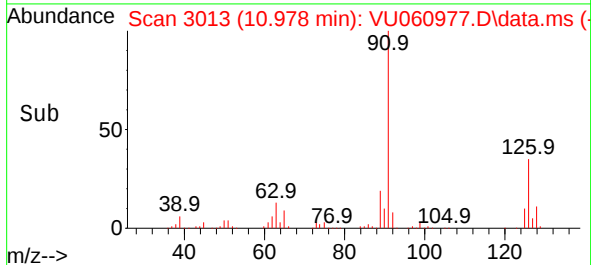
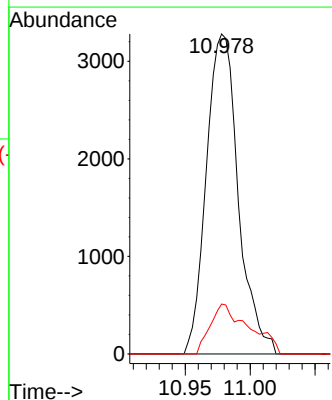
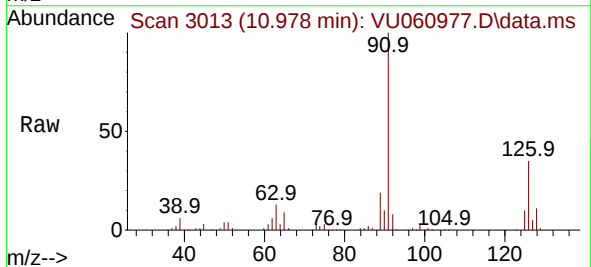
Instrument :
MSVOA_U
ClientSampleId :

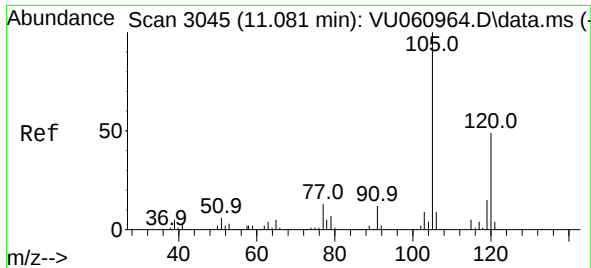
Tgt Ion:105 Resp: 2626
Ion Ratio Lower Upper
105 100
120 22.2 21.5 32.3
77 18.8 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 1.012 ug/L
RT: 10.978 min Scan# 3013
Delta R.T. 0.164 min
Lab File: VU060977.D
Acq: 23 Sep 2024 16:27

Tgt Ion: 75 Resp: 5602
Ion Ratio Lower Upper
75 100
110 0.0 28.6 43.0#
77 18.9 26.3 39.5#





#62

1,3,5-Trimethylbenzene

Concen: 0.086 ug/L

RT: 11.091 min Scan# 3045

Delta R.T. 0.010 min

Lab File: VU060977.D

Acq: 23 Sep 2024 16:27

Instrument :

MSVOA_U

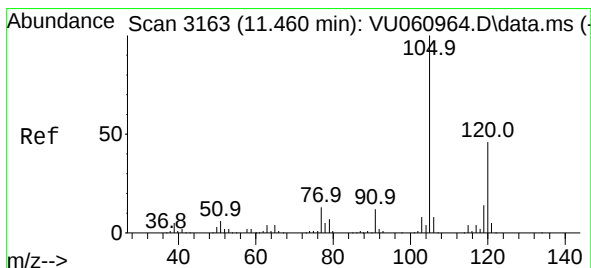
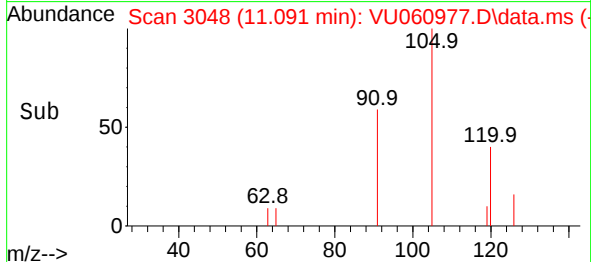
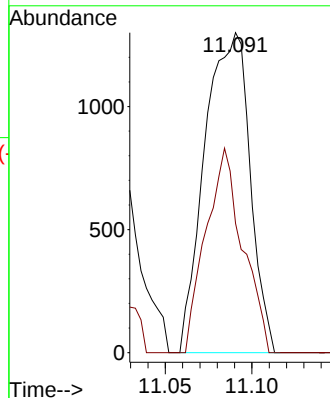
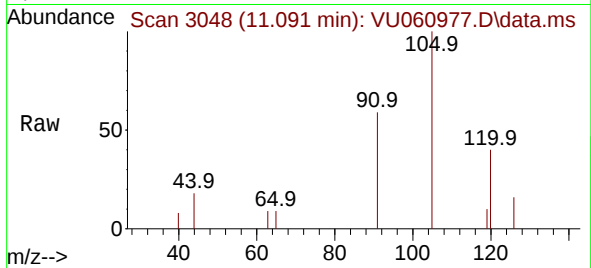
ClientSampleId :

Tgt Ion:105 Resp: 2353

Ion Ratio Lower Upper

105 100

120 52.1 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 0.254 ug/L

RT: 11.464 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU060977.D

Acq: 23 Sep 2024 16:27

Tgt Ion:105 Resp: 6851

Ion Ratio Lower Upper

105 100

120 45.8 36.1 54.1

