

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
 Data File : VU060921.D
 Acq On : 20 Sep 2024 03:01
 Operator : MD/SY
 Sample : P3987-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 05:57:27 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	6.342	114	124715	5.000	ug/L	0.10
28) Chlorobenzene-d5	9.435	117	145267	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.811	152	62930	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.638	65	36293	3.235	ug/L	0.04
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.800%
7) Chloroethane-d5	1.991	69	33585	4.205	ug/L	0.08
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.644	65	16288	4.097	ug/L	0.08
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.000%
20) 2-Butanone-d5	4.798	46	96091	53.361	ug/L	0.16
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.720%
24) Chloroform-d	5.133	84	94083	5.486	ug/L	0.08
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.800%
26) 1,2-Dichloroethane-d4	5.811	65	38988	4.757	ug/L	0.12
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	5.827	84	130543	3.353	ug/L	0.11
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.000%#
36) 1,2-Dichloropropane-d6	6.769	67	43568	3.617	ug/L	0.09
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.400%
41) Toluene-d8	7.940	98	99670	2.808	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	56.200%#
43) trans-1,3-Dichloroprop...	8.216	79	14945	3.446	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.000%
46) 2-Hexanone-d5	8.666	63	74392	43.490	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.980%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	39735	4.210	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	48938	4.628	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.644	62	86394	8.027	ug/L	97
8) Chloroethane	1.962	64	69909	10.631	ug/L #	52
12) 1,1-Dichloroethene	2.660	96	139945	17.839	ug/L #	70
13) Acetone	2.863	43	10569	8.797	ug/L	43
14) Carbon disulfide	2.982	76	2950	0.136	ug/L	97
15) Methyl Acetate	2.933	43	1257	0.429	ug/L #	52
17) Methyl tert-butyl Ether	3.490	73	2907	0.164	ug/L	99
18) trans-1,2-Dichloroethene	3.448	96	29958	3.685	ug/L	99
19) 1,1-Dichloroethane	3.969	63	74665	4.575	ug/L	97
21) 2-Butanone	4.872	43	125619	64.233	ug/L	96
22) cis-1,2-Dichloroethene	4.740	96	380668	42.312	ug/L	96
34) Trichloroethene	6.621	95	108489	10.361	ug/L	91
35) Methylcyclohexane	6.769	83	9943	0.692	ug/L #	30
37) 1,2-Dichloropropane	6.766	63	4432	0.403	ug/L #	93
42) Toluene	8.010	91	7667	0.184	ug/L	96
61) 1,2,3-Trichloropropane	11.811	75	6482	1.104	ug/L #	69

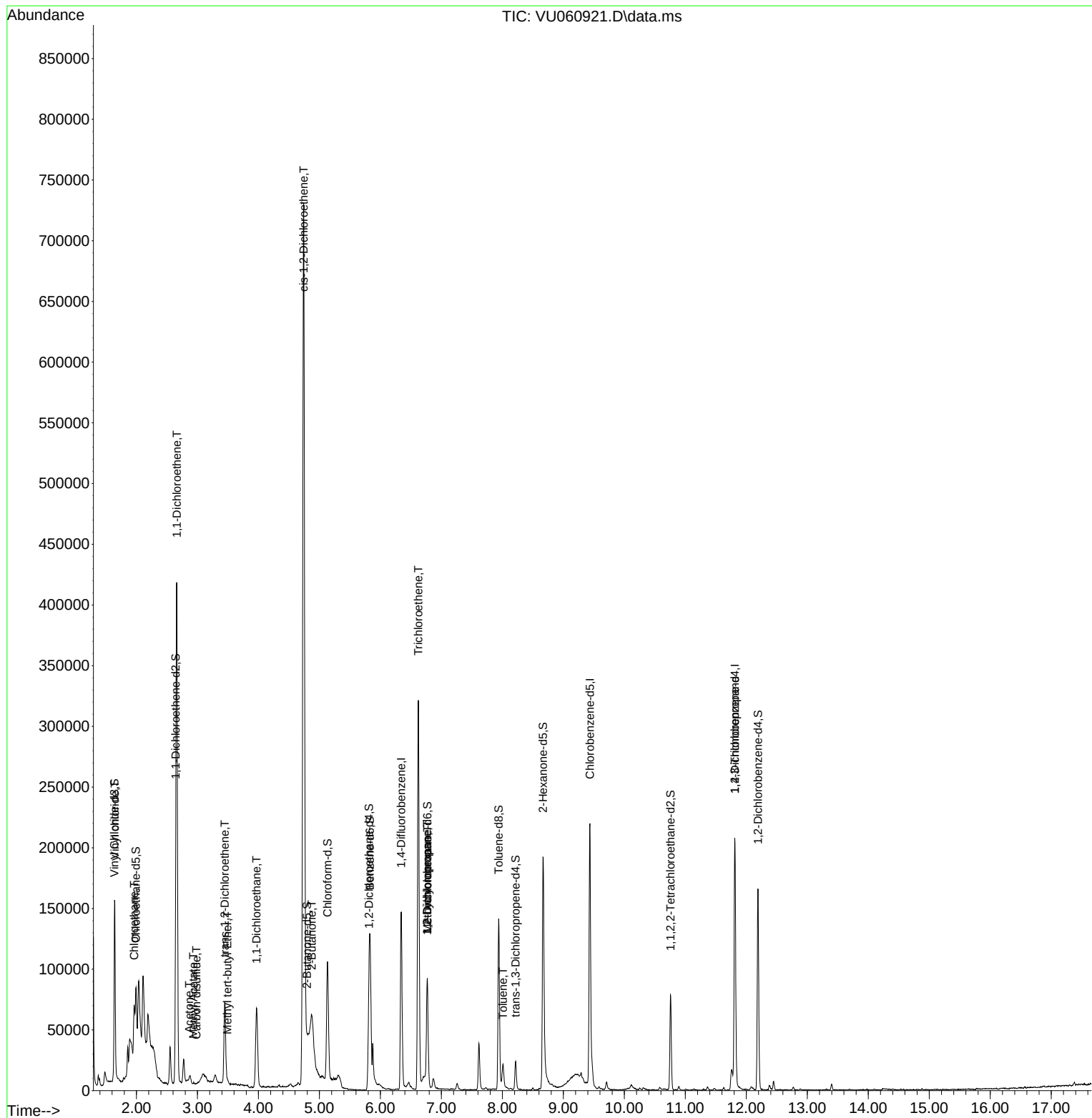
(#) = qualifier out of range (m) = manual integration (+) = signals summed

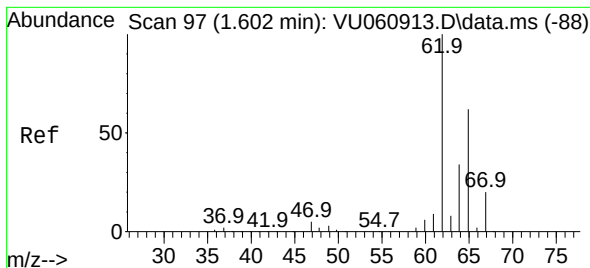
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
Data File : VU060921.D
Acq On : 20 Sep 2024 03:01
Operator : MD/SY
Sample : P3987-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 20 05:57:27 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





#5

Vinyl chloride

Concen: 8.027 ug/L

RT: 1.644 min Scan# 110

Delta R.T. 0.042 min

Lab File: VU060921.D

Acq: 20 Sep 2024 03:01

Instrument :

MSVOA_U

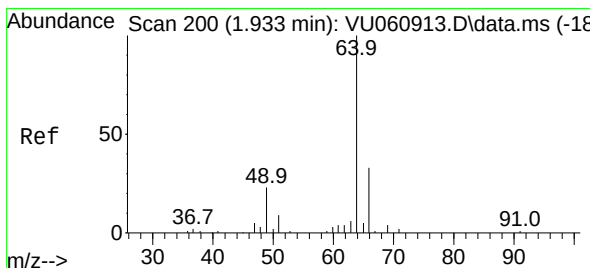
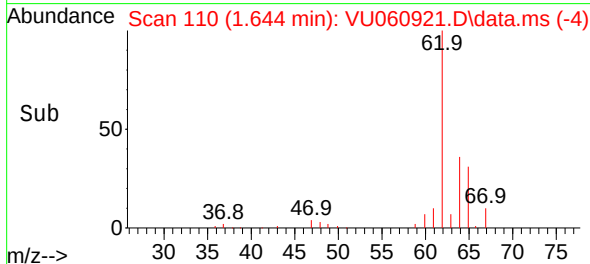
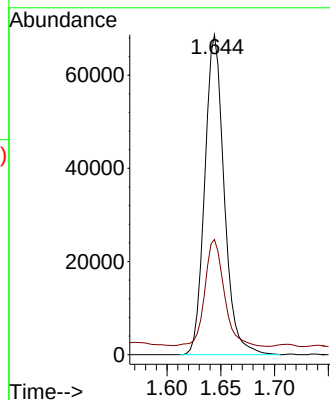
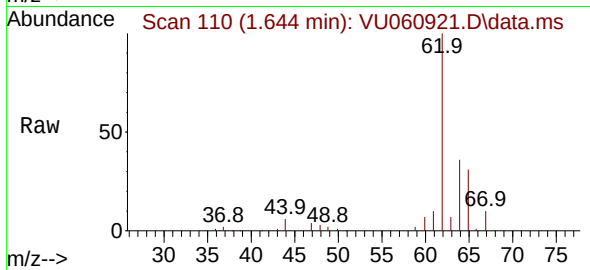
ClientSampleId :

Tgt Ion: 62 Resp: 86394

Ion Ratio Lower Upper

62 100

64 36.0 24.0 44.6



#8

Chloroethane

Concen: 10.631 ug/L

RT: 1.962 min Scan# 209

Delta R.T. 0.029 min

Lab File: VU060921.D

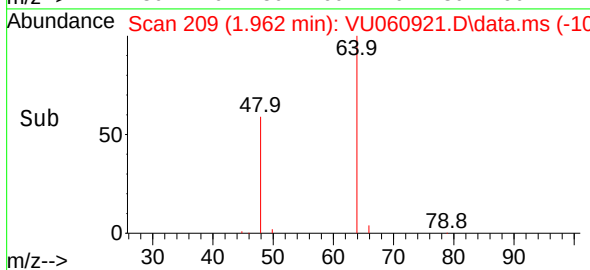
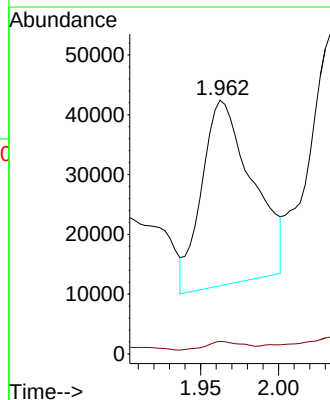
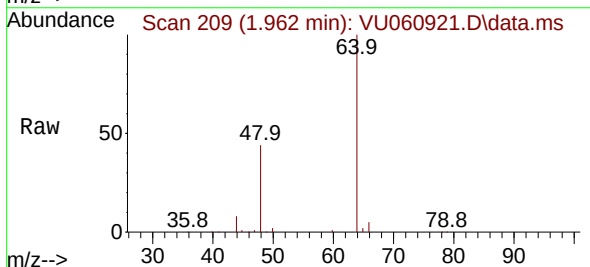
Acq: 20 Sep 2024 03:01

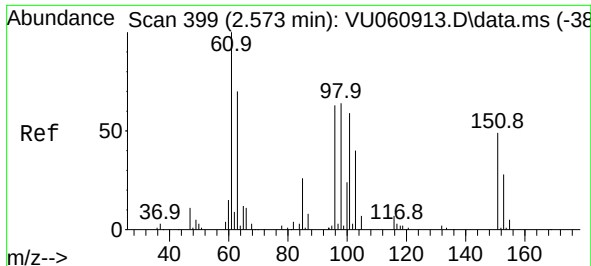
Tgt Ion: 64 Resp: 69909

Ion Ratio Lower Upper

64 100

66 5.0 22.3 41.3#





#12

1,1-Dichloroethene

Concen: 17.839 ug/L

RT: 2.660 min Scan# 41

Delta R.T. 0.087 min

Lab File: VU060921.D

Acq: 20 Sep 2024 03:01

Instrument :

MSVOA_U

ClientSampleId :

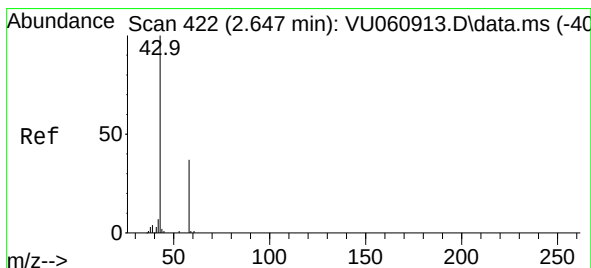
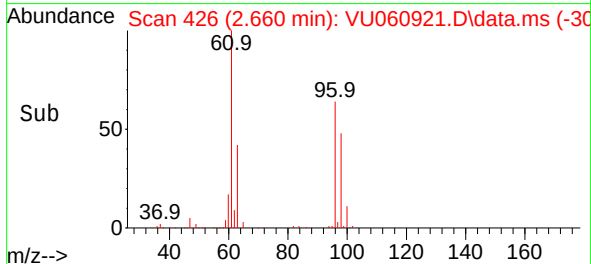
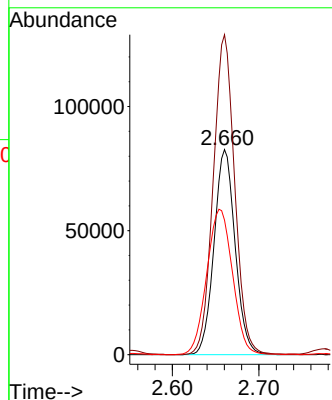
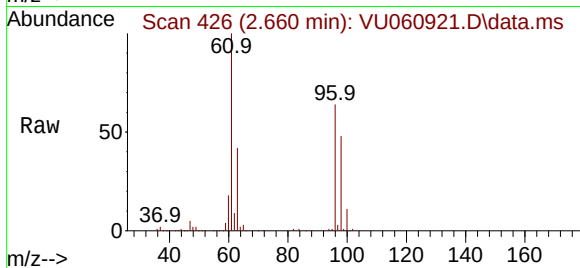
Tgt Ion: 96 Resp: 139945

Ion Ratio Lower Upper

96 100

61 156.1 120.7 224.1

63 65.6 90.0 167.2#



#13

Acetone

Concen: 8.797 ug/L

RT: 2.863 min Scan# 489

Delta R.T. 0.216 min

Lab File: VU060921.D

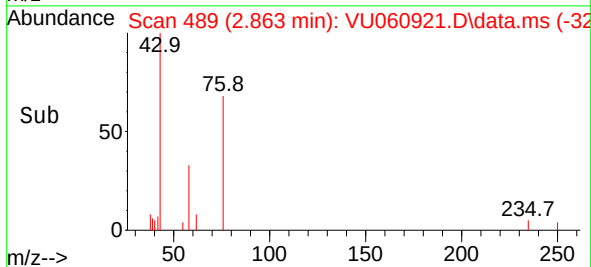
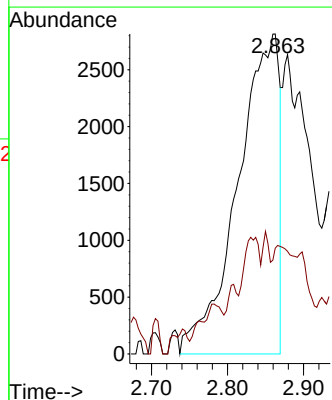
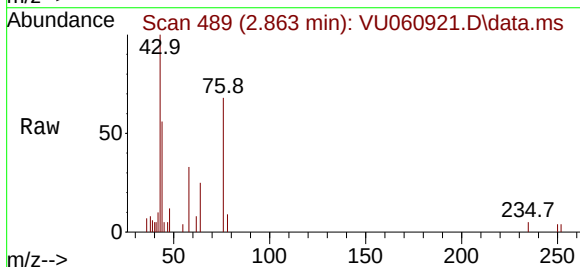
Acq: 20 Sep 2024 03:01

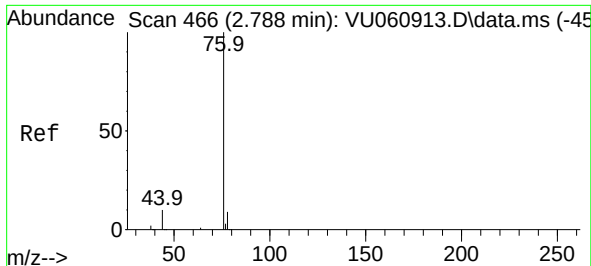
Tgt Ion: 43 Resp: 10569

Ion Ratio Lower Upper

43 100

58 1.9 0.0 69.6

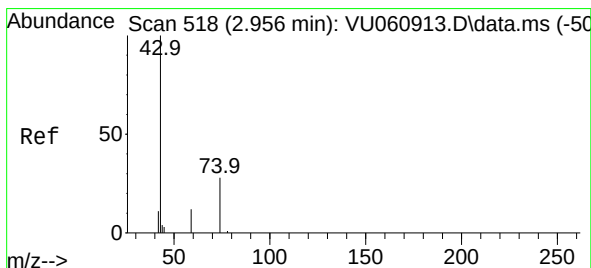
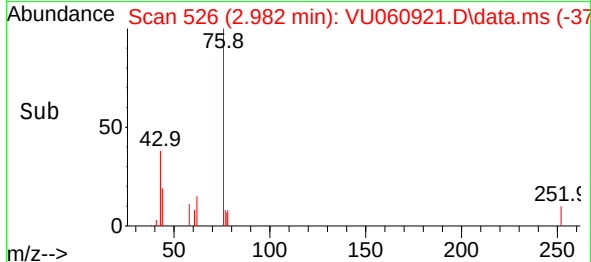
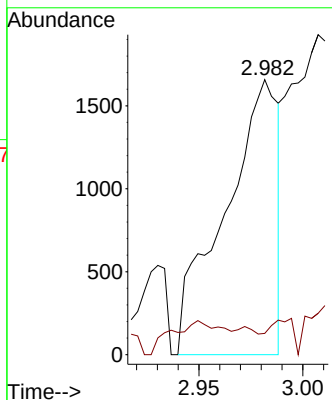
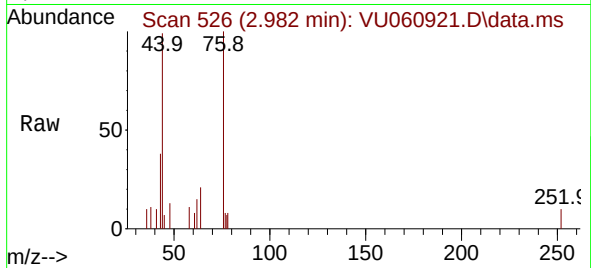




#14
Carbon disulfide
Concen: 0.136 ug/L
RT: 2.982 min Scan# 511
Delta R.T. 0.193 min
Lab File: VU060921.D
Acq: 20 Sep 2024 03:01

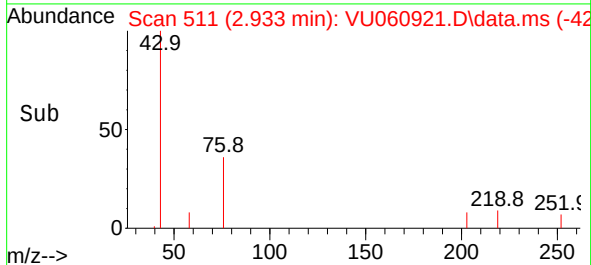
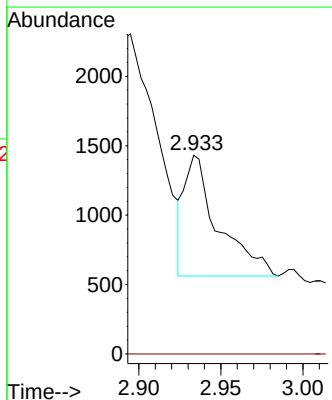
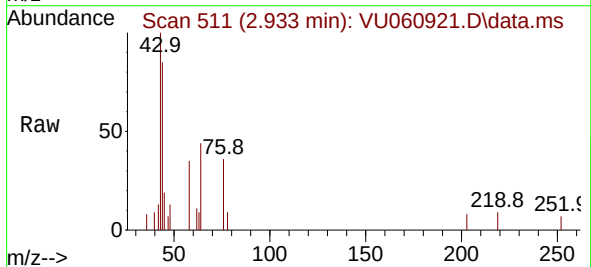
Instrument :
MSVOA_U
ClientSampleId :

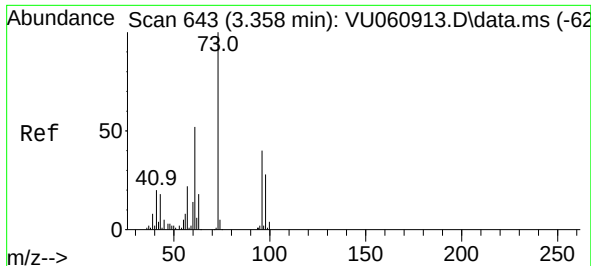
Tgt Ion: 76 Resp: 2950
Ion Ratio Lower Upper
76 100
78 7.7 7.1 10.7



#15
Methyl Acetate
Concen: 0.429 ug/L
RT: 2.933 min Scan# 511
Delta R.T. -0.022 min
Lab File: VU060921.D
Acq: 20 Sep 2024 03:01

Tgt Ion: 43 Resp: 1257
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#

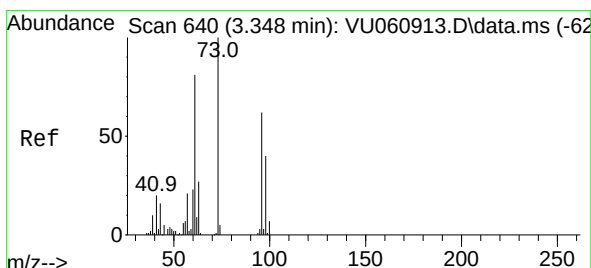
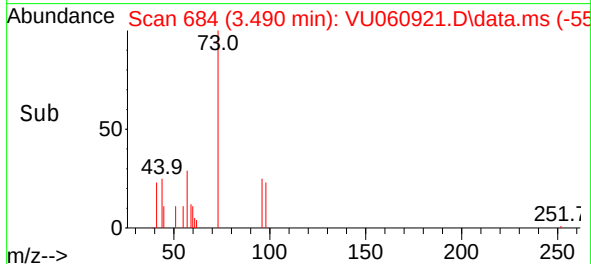
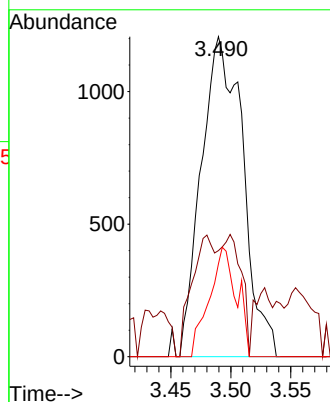
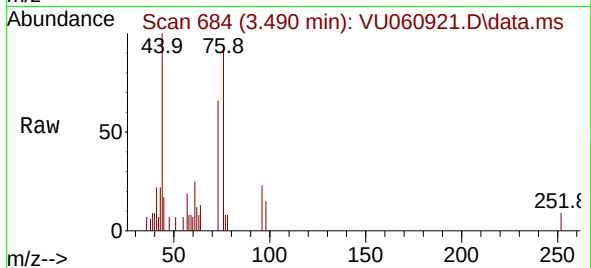




#17
Methyl tert-butyl Ether
Concen: 0.164 ug/L
RT: 3.490 min Scan# 61
Delta R.T. 0.132 min
Lab File: VU060921.D
Acq: 20 Sep 2024 03:01

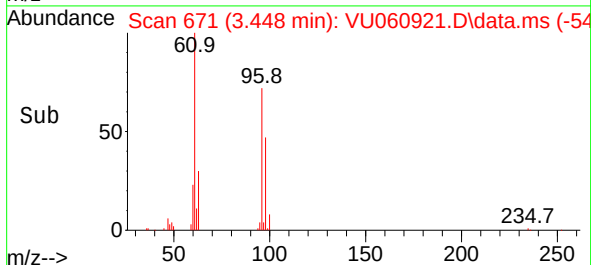
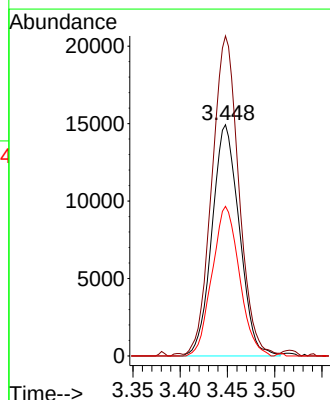
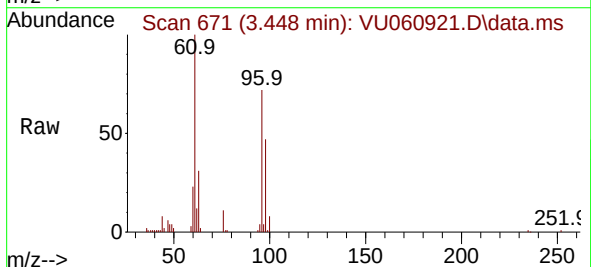
Instrument :
MSVOA_U
ClientSampleId :

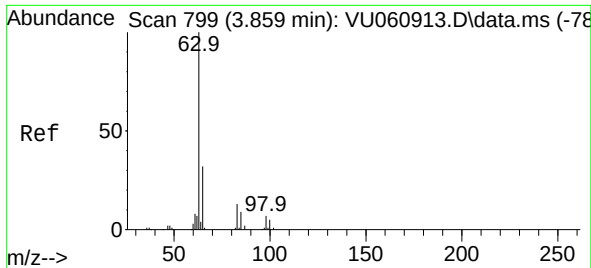
Tgt Ion: 73 Resp: 2907
Ion Ratio Lower Upper
73 100
43 17.8 13.8 20.8
57 22.5 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 3.685 ug/L
RT: 3.448 min Scan# 671
Delta R.T. 0.100 min
Lab File: VU060921.D
Acq: 20 Sep 2024 03:01

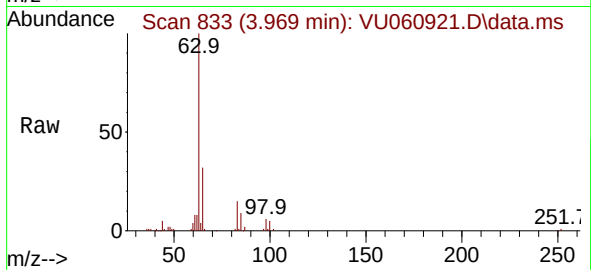
Tgt Ion: 96 Resp: 29958
Ion Ratio Lower Upper
96 100
61 138.4 97.2 180.6
98 64.7 43.3 80.5



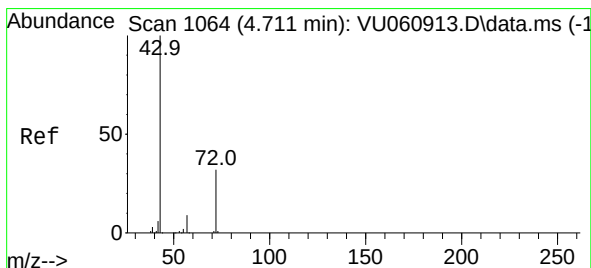
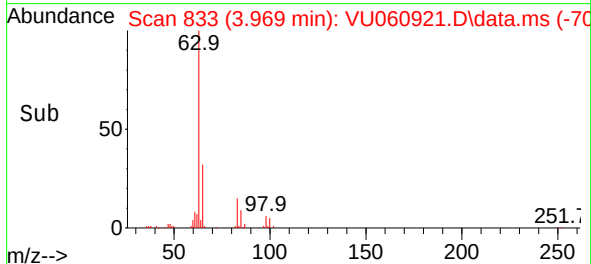
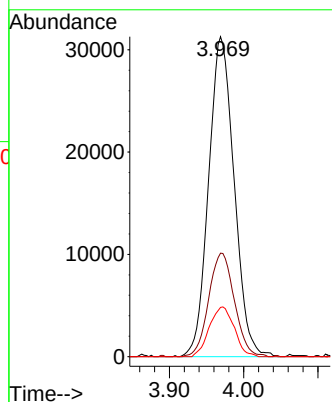


#19
1,1-Dichloroethane
Concen: 4.575 ug/L
RT: 3.969 min Scan# 81
Delta R.T. 0.110 min
Lab File: VU060921.D
Acq: 20 Sep 2024 03:01

Instrument :
MSVOA_U
ClientSampleId :

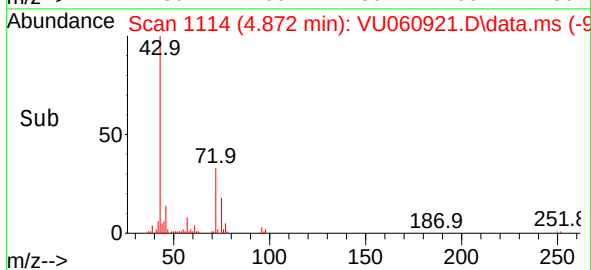
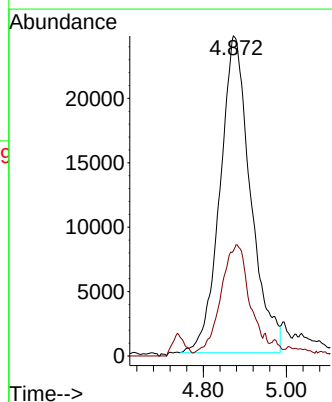
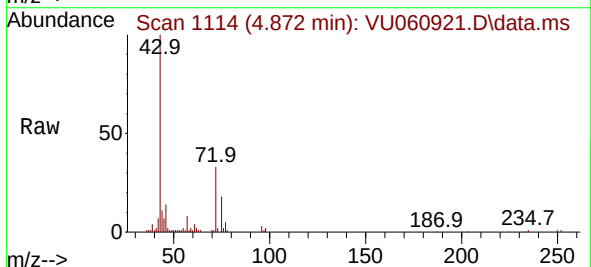


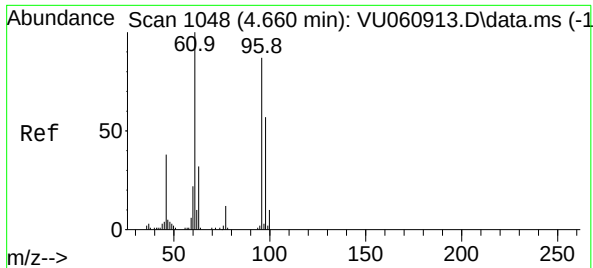
Tgt Ion:	63	Resp:	74665
Ion	Ratio	Lower	Upper
63	100		
65	32.4	23.0	42.8
83	15.4	9.0	16.6



#21
2-Butanone
Concen: 64.233 ug/L
RT: 4.872 min Scan# 1114
Delta R.T. 0.161 min
Lab File: VU060921.D
Acq: 20 Sep 2024 03:01

Tgt Ion:	43	Resp:	125619
Ion	Ratio	Lower	Upper
43	100		
72	31.4	14.8	44.3

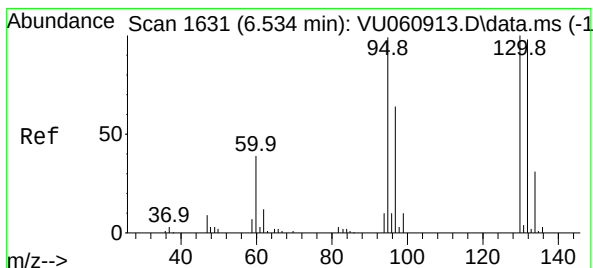
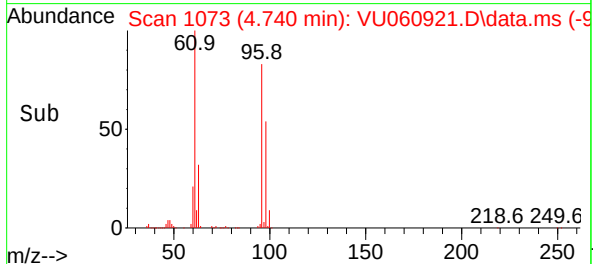
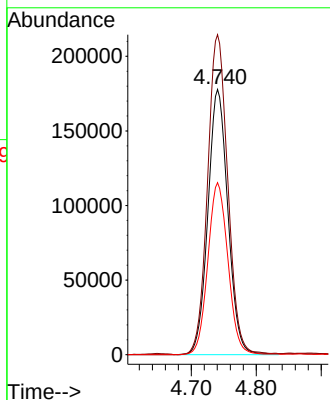
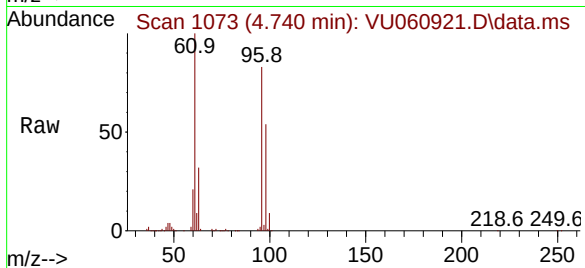




#22
 cis-1,2-Dichloroethene
 Concen: 42.312 ug/L
 RT: 4.740 min Scan# 1
 Delta R.T. 0.081 min
 Lab File: VU060921.D
 Acq: 20 Sep 2024 03:01

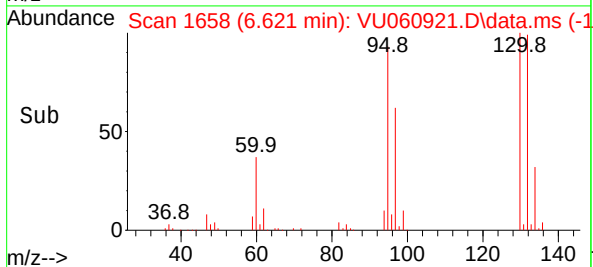
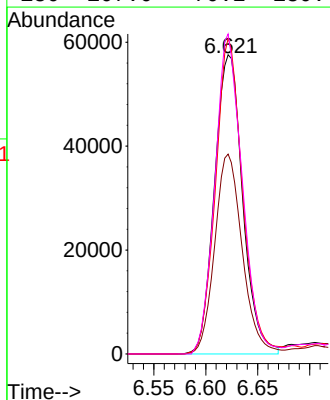
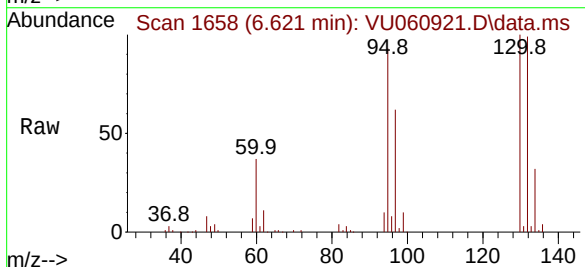
Instrument :
 MSVOA_U
 ClientSampleId :

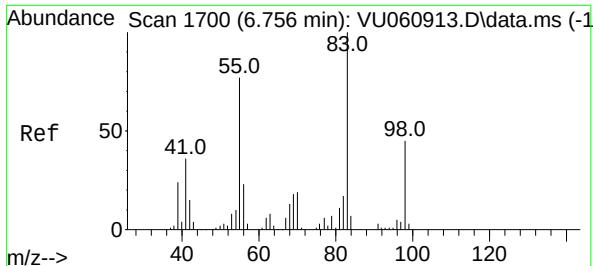
Tgt Ion: 96 Resp: 380668
 Ion Ratio Lower Upper
 96 100
 61 120.6 89.7 166.5
 98 64.8 45.1 83.9



#34
 Trichloroethene
 Concen: 10.361 ug/L
 RT: 6.621 min Scan# 1658
 Delta R.T. 0.087 min
 Lab File: VU060921.D
 Acq: 20 Sep 2024 03:01

Tgt Ion: 95 Resp: 108489
 Ion Ratio Lower Upper
 95 100
 97 66.8 44.9 83.5
 132 105.5 63.5 117.9
 130 107.0 70.2 130.4





#35

Methylcyclohexane

Concen: 0.692 ug/L

RT: 6.769 min Scan# 1

Delta R.T. 0.013 min

Lab File: VU060921.D

Acq: 20 Sep 2024 03:01

Instrument :

MSVOA_U

ClientSampleId :

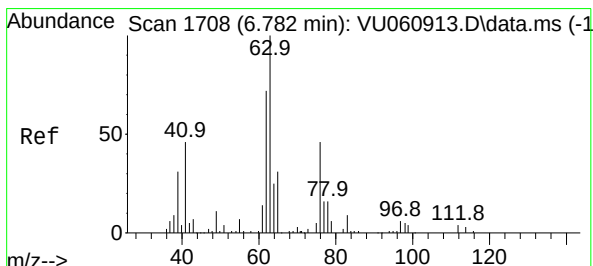
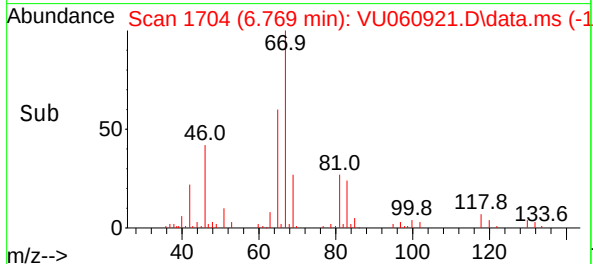
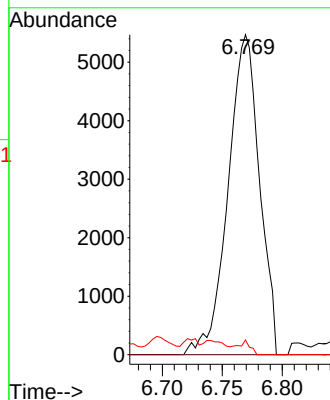
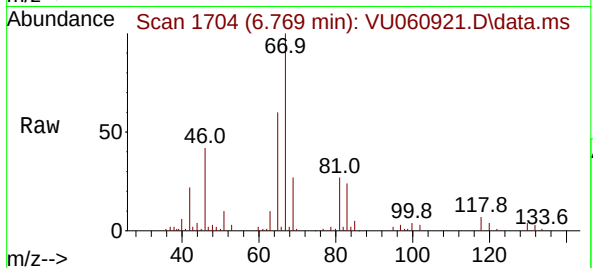
Tgt Ion: 83 Resp: 9943

Ion Ratio Lower Upper

83 100

55 0.2 62.6 94.0#

98 22.0 37.6 56.4#



#37

1,2-Dichloropropane

Concen: 0.403 ug/L

RT: 6.766 min Scan# 1703

Delta R.T. -0.016 min

Lab File: VU060921.D

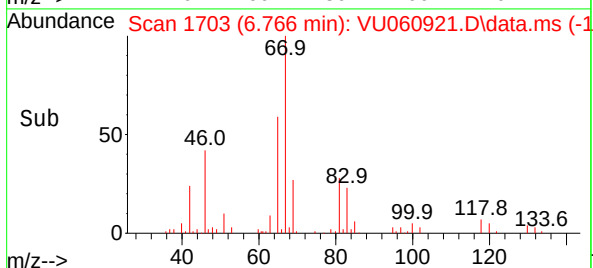
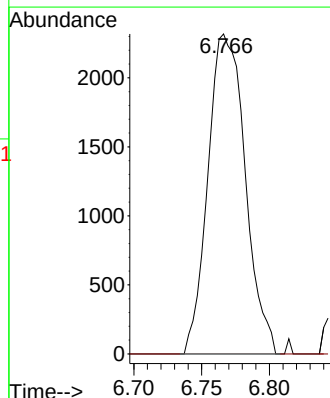
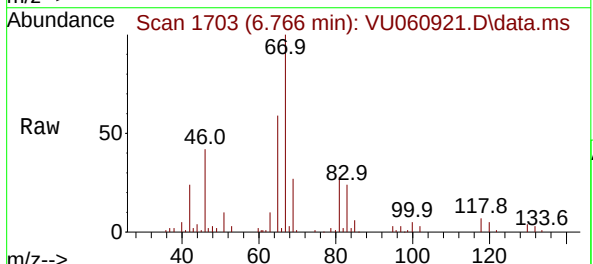
Acq: 20 Sep 2024 03:01

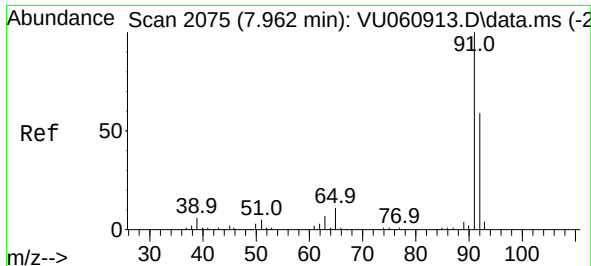
Tgt Ion: 63 Resp: 4432

Ion Ratio Lower Upper

63 100

112 0.0 2.0 3.0#





#42

Toluene

Concen: 0.184 ug/L

RT: 8.010 min Scan# 2075

Delta R.T. 0.048 min

Lab File: VU060921.D

Acq: 20 Sep 2024 03:01

Instrument :

MSVOA_U

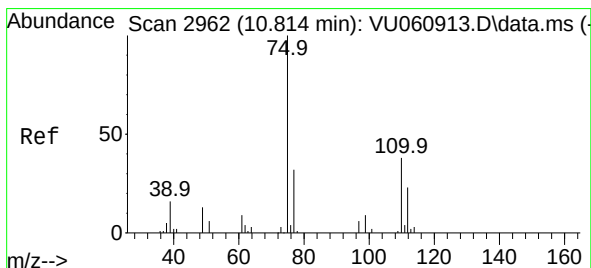
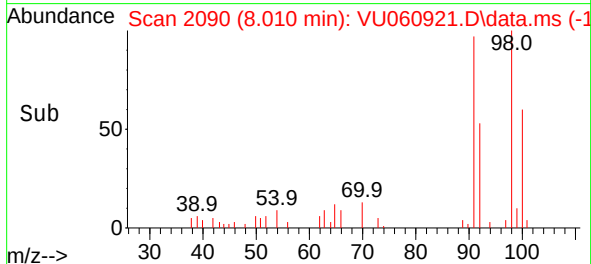
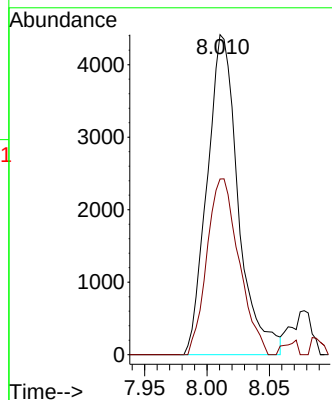
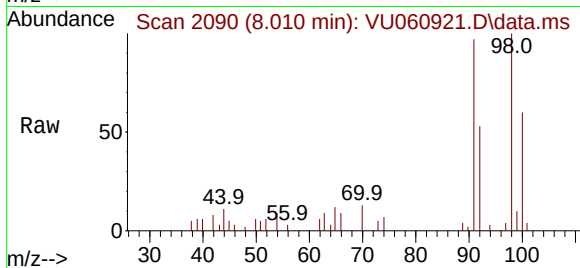
ClientSampleId :

Tgt Ion: 91 Resp: 7667

Ion Ratio Lower Upper

91 100

92 54.9 40.5 75.3



#61

1,2,3-Trichloropropane

Concen: 1.104 ug/L

RT: 11.811 min Scan# 3272

Delta R.T. 0.997 min

Lab File: VU060921.D

Acq: 20 Sep 2024 03:01

Tgt Ion: 75 Resp: 6482

Ion Ratio Lower Upper

75 100

110 2.3 28.6 43.0#

77 34.7 26.3 39.5

