

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090424\
 Data File : VU060602.D
 Acq On : 04 Sep 2024 16:16
 Operator : MD/SY
 Sample : P3809-01DL 500X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 05 03:57:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 05 03:55:13 2024
 Response via : Initial Calibration

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

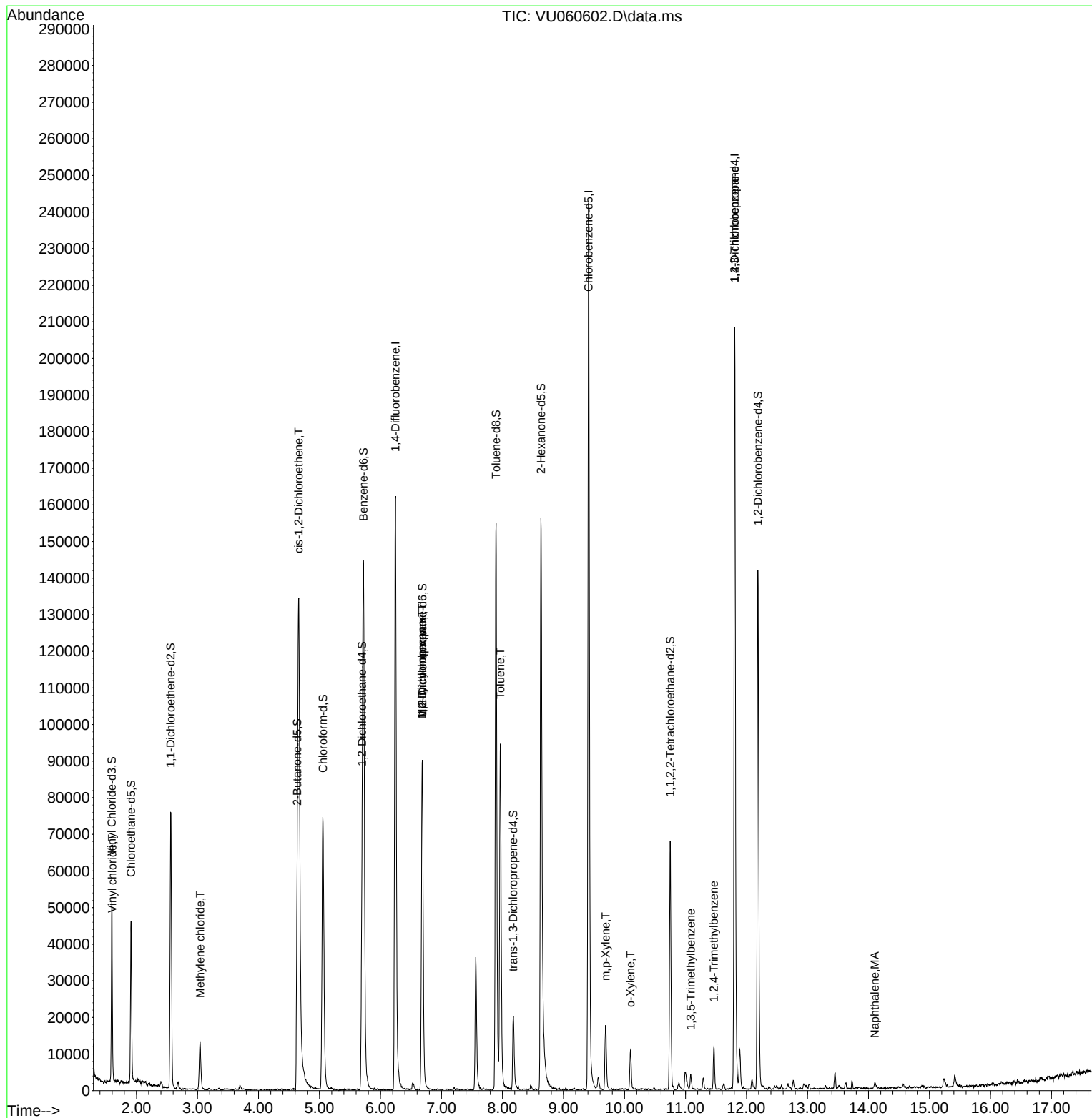
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	135886	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	141422	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	56907	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	33973	5.661	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.200%
7) Chloroethane-d5	1.911	69	31772	3.494	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.800%
11) 1,1-Dichloroethene-d2	2.560	65	14715	4.160	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.200%
20) 2-Butanone-d5	4.634	46	86121	41.728	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.460%
24) Chloroform-d	5.055	84	73724	4.309	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	5.698	65	37842	4.238	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
32) Benzene-d6	5.721	84	139525	4.512	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.685	67	46377	4.648	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.000%
41) Toluene-d8	7.894	98	113118	3.899	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
43) trans-1,3-Dichloroprop...	8.177	79	13447	3.766	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.400%
46) 2-Hexanone-d5	8.630	63	58052	33.959	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.920%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	33932	3.822	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	40207	4.792	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	2525	0.192	ug/L #	71
16) Methylene chloride	3.042	84	6143	0.568	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	60345	5.586	ug/L	99
35) Methylcyclohexane	6.682	83	11083	0.664	ug/L #	16
37) 1,2-Dichloropropane	6.682	63	4996	0.435	ug/L #	94
42) Toluene	7.965	91	74885	1.580	ug/L	99
53) m,p-Xylene	9.692	106	5276	0.283	ug/L	100
54) o-Xylene	10.100	106	3292	0.172	ug/L	88
61) 1,2,3-Trichloropropane	11.807	75	6694	1.219	ug/L #	65
62) 1,3,5-Trimethylbenzene	11.087	105	2646	0.093	ug/L	87
63) 1,2,4-Trimethylbenzene	11.466	105	6988	0.242	ug/L	99
71) Naphthalene	14.103	128	2718	0.184	ug/L #	85

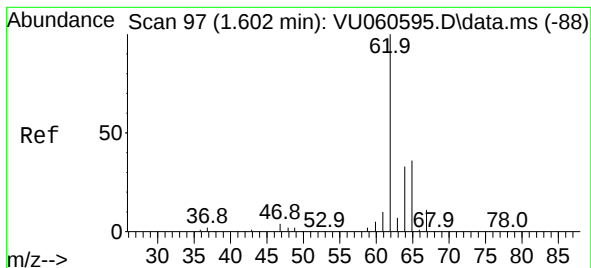
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.192 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU060602.D

Acq: 04 Sep 2024 16:16

Instrument :

MSVOA_V

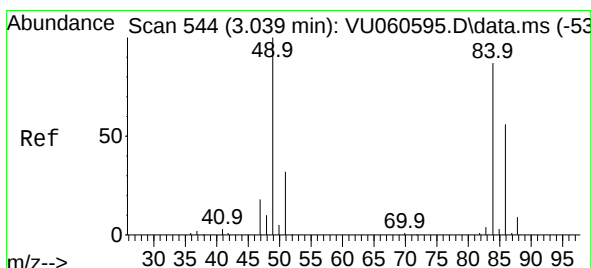
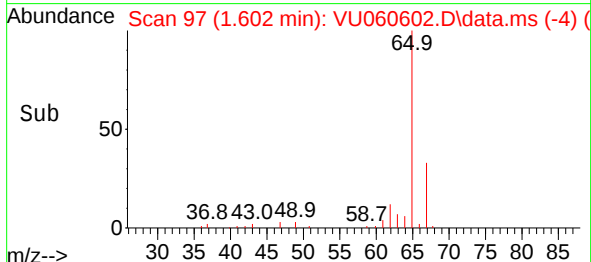
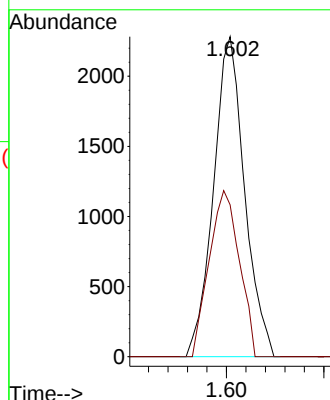
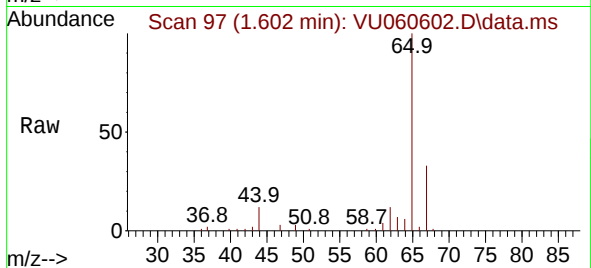
ClientSampleId :

Tgt Ion: 62 Resp: 2525

Ion Ratio Lower Upper

62 100

64 47.5 22.0 40.8#



#16

Methylene chloride

Concen: 0.568 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU060602.D

Acq: 04 Sep 2024 16:16

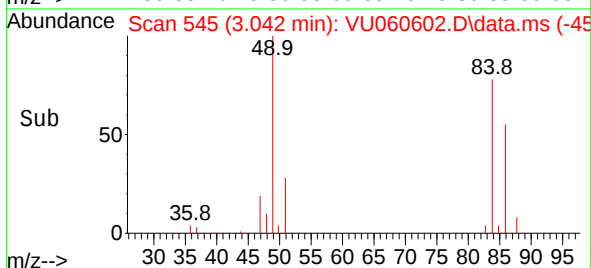
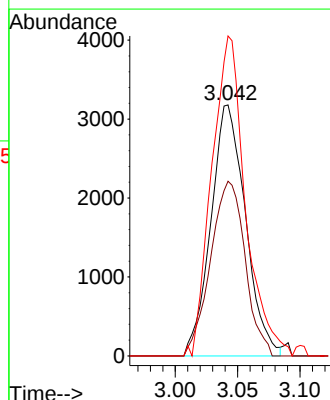
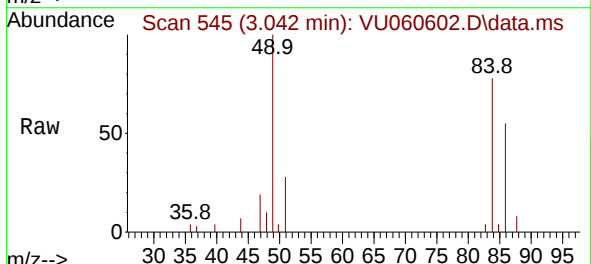
Tgt Ion: 84 Resp: 6143

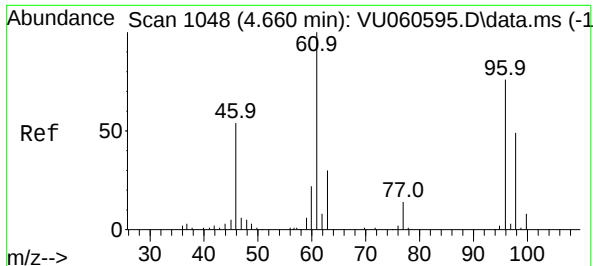
Ion Ratio Lower Upper

84 100

86 69.6 47.5 88.3

49 132.4 94.4 175.2

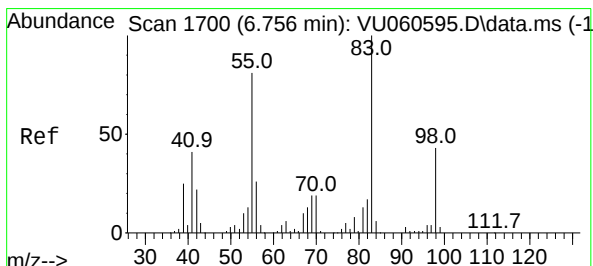
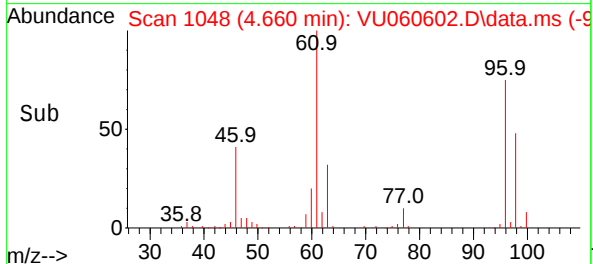
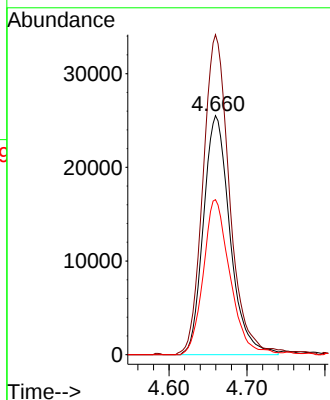
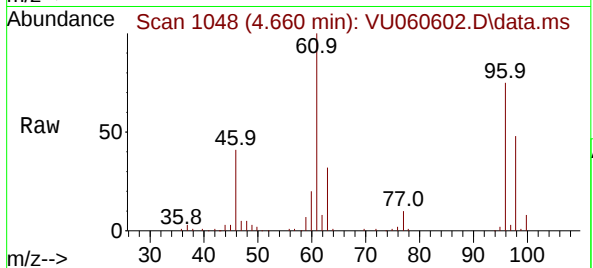




#22
 cis-1,2-Dichloroethene
 Concen: 5.586 ug/L
 RT: 4.660 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VU060602.D
 Acq: 04 Sep 2024 16:16

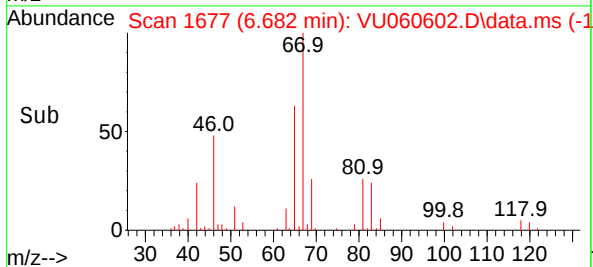
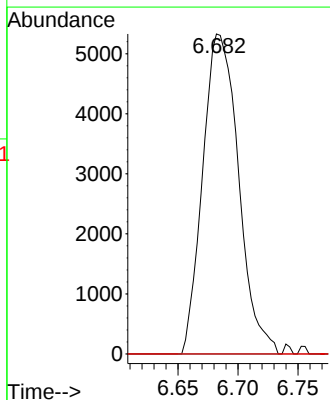
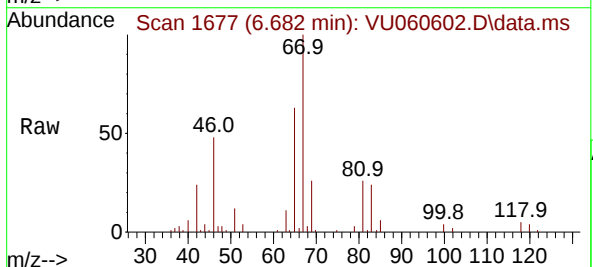
Instrument :
 MSVOA_V
 ClientSampleId :

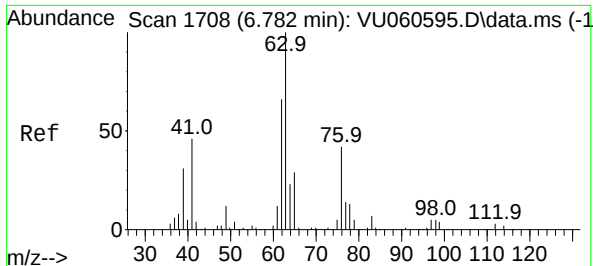
Tgt Ion: 96 Resp: 60345
 Ion Ratio Lower Upper
 96 100
 61 133.9 92.9 172.5
 98 64.8 45.0 83.6



#35
 Methylcyclohexane
 Concen: 0.664 ug/L
 RT: 6.682 min Scan# 1677
 Delta R.T. -0.074 min
 Lab File: VU060602.D
 Acq: 04 Sep 2024 16:16

Tgt Ion: 83 Resp: 11083
 Ion Ratio Lower Upper
 83 100
 55 0.0 65.8 98.8#
 98 0.7 37.8 56.8#

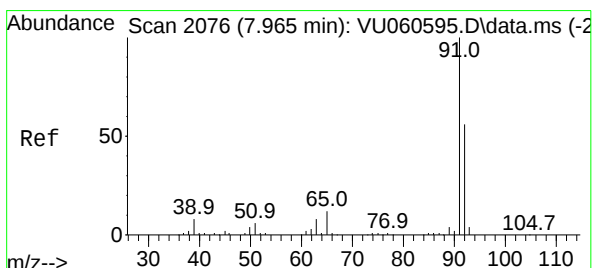
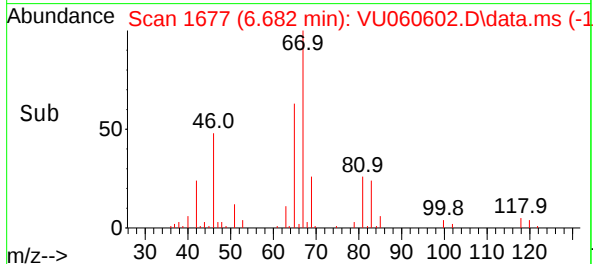
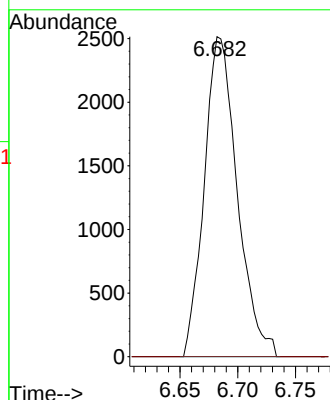
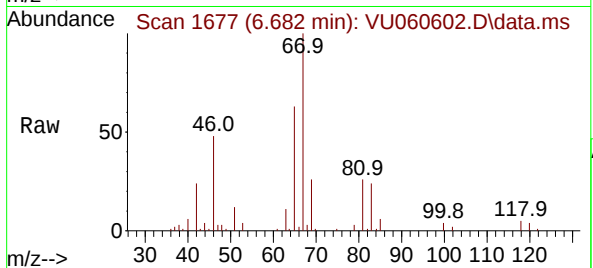




#37
1,2-Dichloropropane
Concen: 0.435 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU060602.D
Acq: 04 Sep 2024 16:16

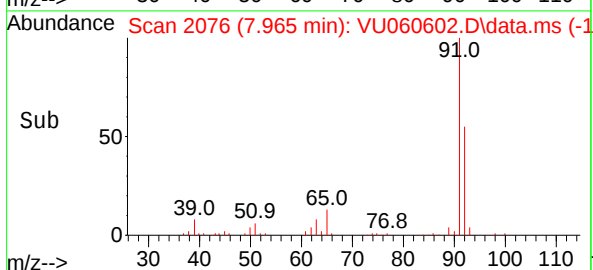
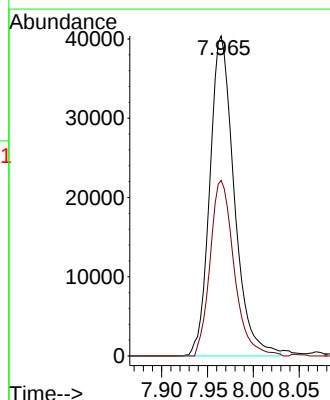
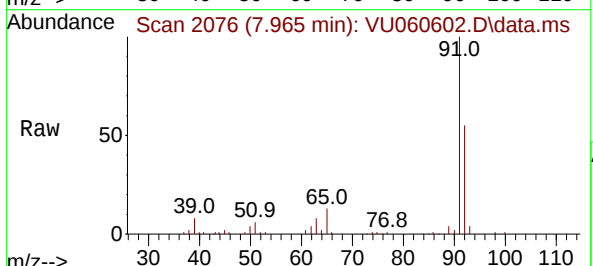
Instrument :
MSVOA_V
ClientSampleId :

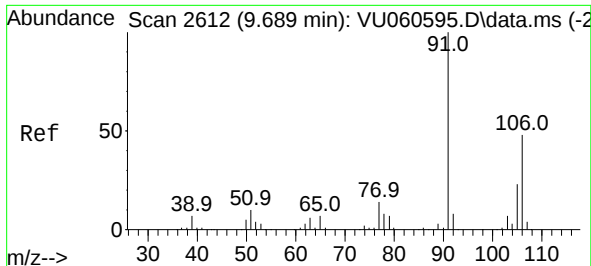
Tgt Ion: 63 Resp: 4996
Ion Ratio Lower Upper
63 100
112 0.8 2.3 3.5#



#42
Toluene
Concen: 1.580 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. -0.000 min
Lab File: VU060602.D
Acq: 04 Sep 2024 16:16

Tgt Ion: 91 Resp: 74885
Ion Ratio Lower Upper
91 100
92 54.8 38.0 70.6





#53

m,p-Xylene

Concen: 0.283 ug/L

RT: 9.692 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU060602.D

Acq: 04 Sep 2024 16:16

Instrument :

MSVOA_V

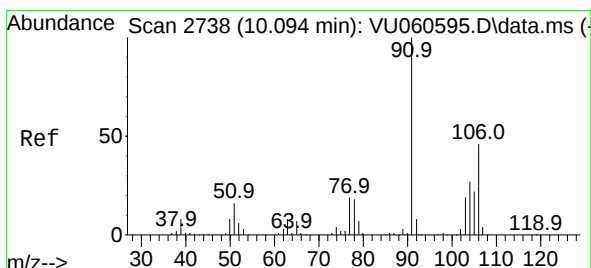
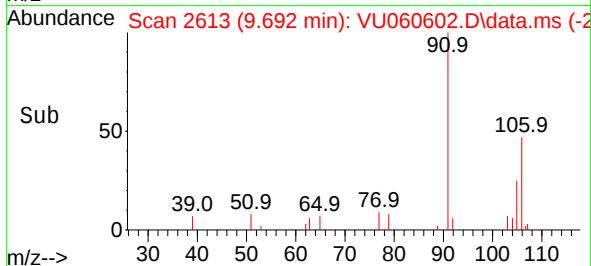
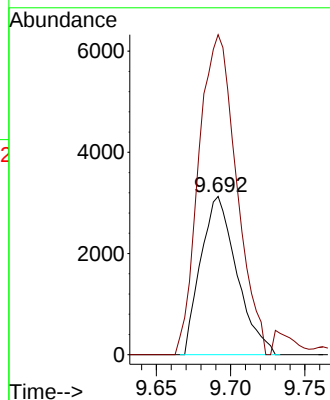
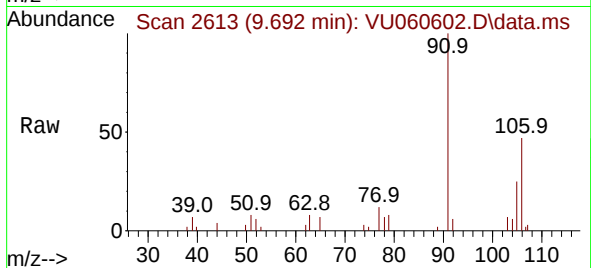
ClientSampleId :

Tgt Ion:106 Resp: 5276

Ion Ratio Lower Upper

106 100

91 202.3 141.5 262.9



#54

o-Xylene

Concen: 0.172 ug/L

RT: 10.100 min Scan# 2740

Delta R.T. 0.006 min

Lab File: VU060602.D

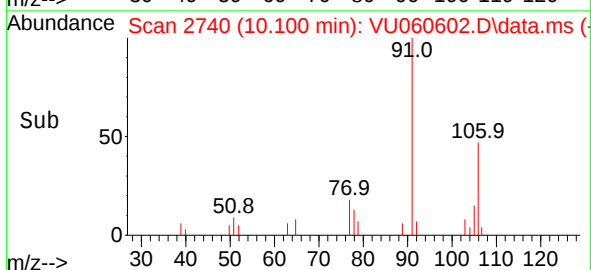
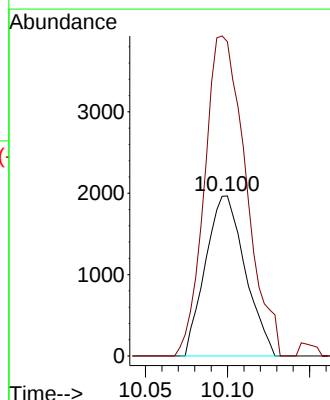
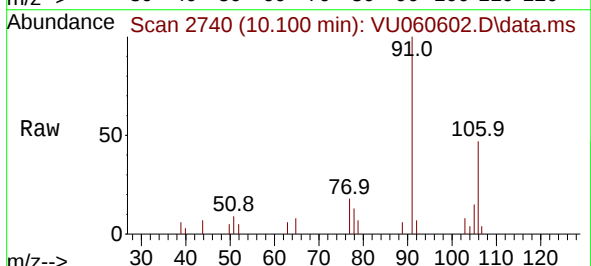
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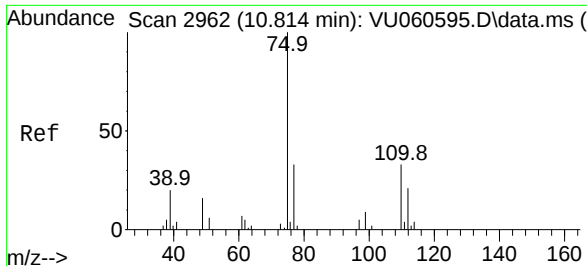
Tgt Ion:106 Resp: 3292

Ion Ratio Lower Upper

106 100

91 196.5 151.1 280.7





#61

1,2,3-Trichloropropane

Concen: 1.219 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.993 min

Lab File: VU060602.D

Acq: 04 Sep 2024 16:16

Instrument :

MSVOA_V

ClientSampleId :

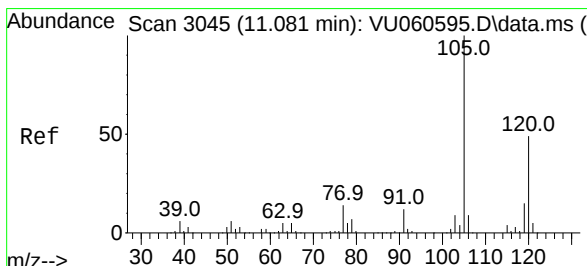
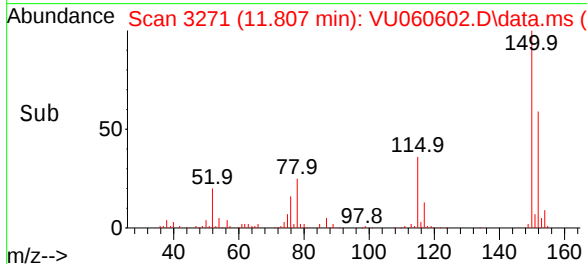
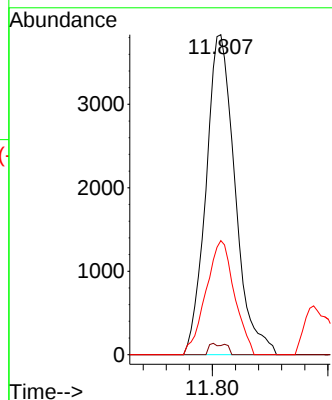
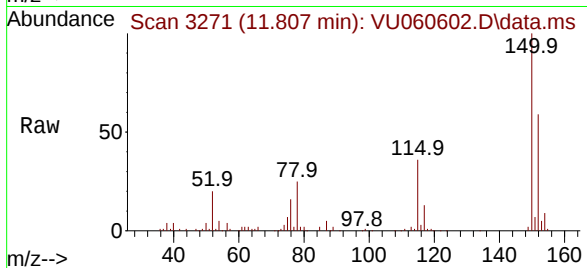
Tgt Ion: 75 Resp: 6694

Ion Ratio Lower Upper

75 100

110 2.0 30.2 45.4#

77 34.9 25.4 38.2



#62

1,3,5-Trimethylbenzene

Concen: 0.093 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.006 min

Lab File: VU060602.D

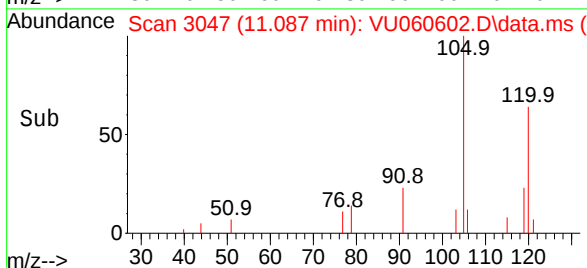
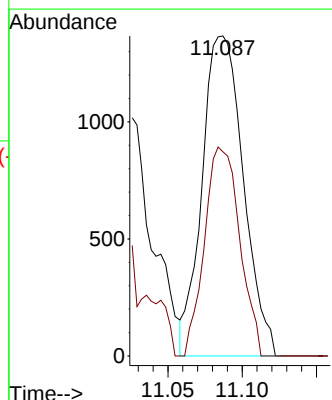
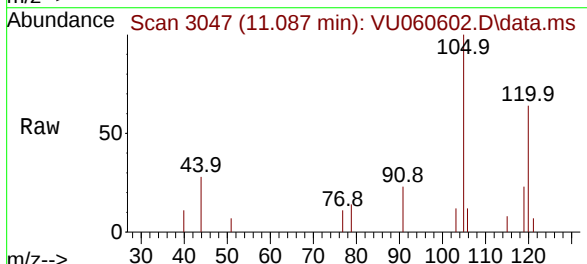
Acq: 04 Sep 2024 16:16

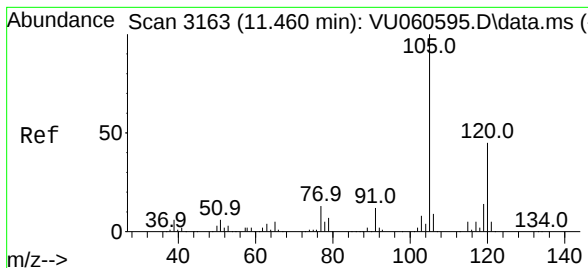
Tgt Ion:105 Resp: 2646

Ion Ratio Lower Upper

105 100

120 55.6 37.4 56.0





#63

1,2,4-Trimethylbenzene

Concen: 0.242 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.006 min

Lab File: VU060602.D

Acq: 04 Sep 2024 16:16

Instrument :

MSVOA_V

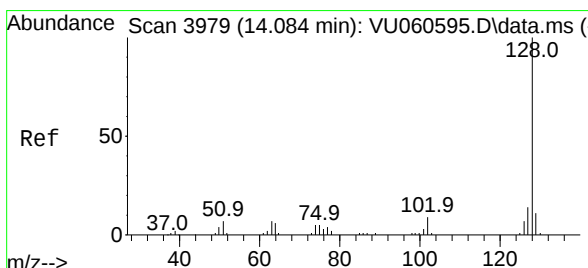
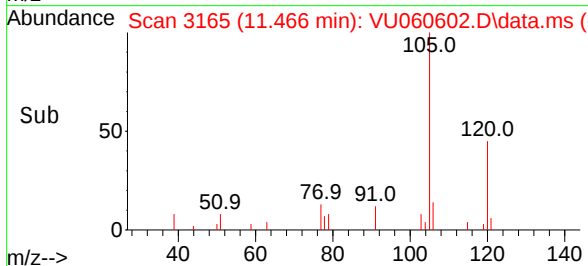
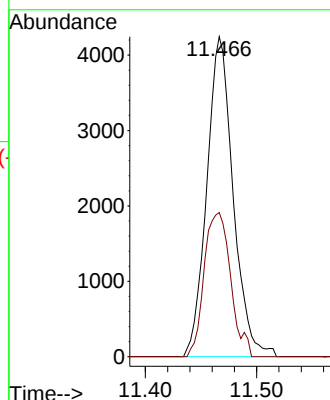
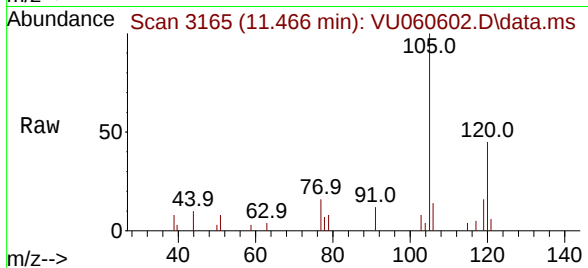
ClientSampleId :

Tgt Ion:105 Resp: 6988

Ion Ratio Lower Upper

105 100

120 45.0 35.7 53.5



#71

Naphthalene

Concen: 0.184 ug/L

RT: 14.103 min Scan# 3985

Delta R.T. 0.019 min

Lab File: VU060602.D

Acq: 04 Sep 2024 16:16

Tgt Ion:128 Resp: 2718

Ion Ratio Lower Upper

128 100

129 5.7 8.5 12.7#

127 6.3 10.2 15.2#

