

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
 Data File : VU060875.D
 Acq On : 18 Sep 2024 17:12
 Operator : MD/SY
 Sample : P3973-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 19 05:15:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 05:11:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	175139	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	165849	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	93945	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	42429	2.693	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.800%
7) Chloroethane-d5	1.907	69	35929	3.203	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	64.000%#
11) 1,1-Dichloroethene-d2	2.557	65	17411	3.118	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.400%
20) 2-Butanone-d5	4.647	46	74425	29.430	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	58.860%
24) Chloroform-d	5.052	84	78454	3.258	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	65.200%#
26) 1,2-Dichloroethane-d4	5.695	65	37206	3.232	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.600%#
32) Benzene-d6	5.717	84	164462	3.700	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.000%
36) 1,2-Dichloropropane-d6	6.682	67	51722	3.761	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.200%
41) Toluene-d8	7.891	98	149784	3.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.000%
43) trans-1,3-Dichloroprop...	8.174	79	18393	3.715	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.400%
46) 2-Hexanone-d5	8.627	63	84662	43.352	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.700%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	44337	4.115	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.200%
66) 1,2-Dichlorobenzene-d4	12.183	152	66311	4.201	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	13596	0.900	ug/L	86
8) Chloroethane	1.930	64	66902	7.245	ug/L	96
15) Methyl Acetate	3.033	43	7470	1.816	ug/L #	52
16) Methylene chloride	3.039	84	2086	0.164	ug/L	85
22) cis-1,2-Dichloroethene	4.656	96	11356	0.899	ug/L	95
30) Cyclohexane	5.380	56	502226	34.126	ug/L	99
33) Benzene	5.766	78	123368	2.705	ug/L	100
34) Trichloroethene	6.721	95	4505	0.377	ug/L #	1
35) Methylcyclohexane	6.753	83	652236	39.767	ug/L	98
37) 1,2-Dichloropropane	6.753	63	6426	0.511	ug/L #	95
42) Toluene	7.965	91	6284	0.132	ug/L	94
45) 1,1,2-Trichloroethane	8.360	97	33158	3.655	ug/L #	19
51) Chlorobenzene	9.444	112	5209	0.163	ug/L	99
52) Ethylbenzene	9.563	91	2705012	53.889	ug/L	99
53) m,p-Xylene	9.688	106	335093	17.606	ug/L	99
60) Isopropylbenzene	10.476	105	4873996	87.546	ug/L	99
61) 1,2,3-Trichloropropane	10.897	75	53261	6.078	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.460	105	4175766	96.505	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	4175766	97.671	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 19 05:11:13 2024
Response via : Initial Calibration

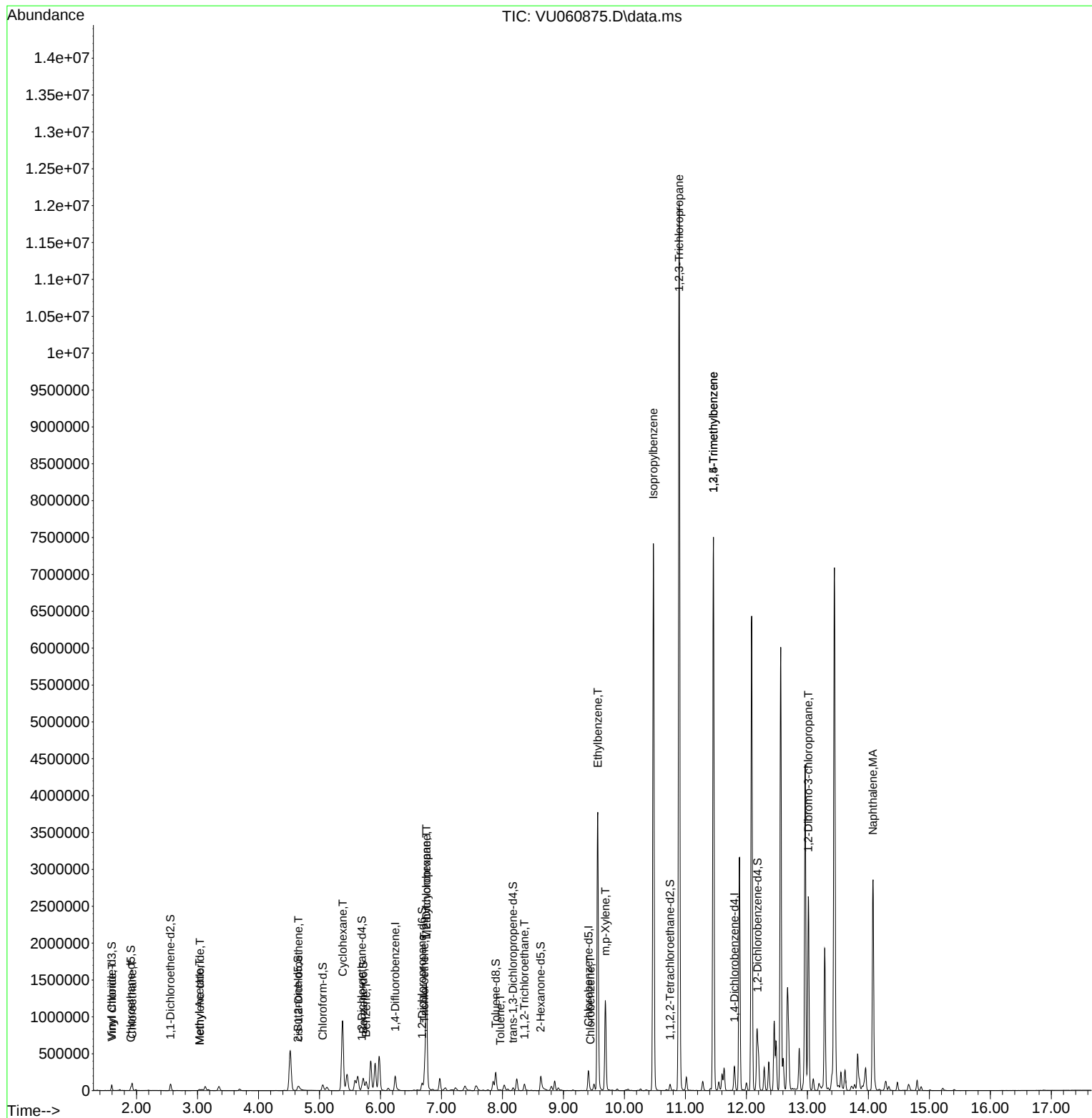
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	13.016	75	10830	6.330	ug/L	# 1
71) Naphthalene	14.077	128	2345573	120.565	ug/L	99

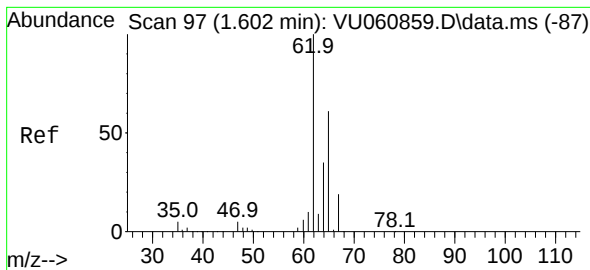
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.900 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU060875.D

Acq: 18 Sep 2024 17:12

Instrument :

MSVOA_U

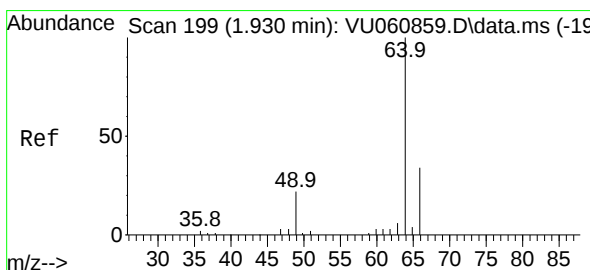
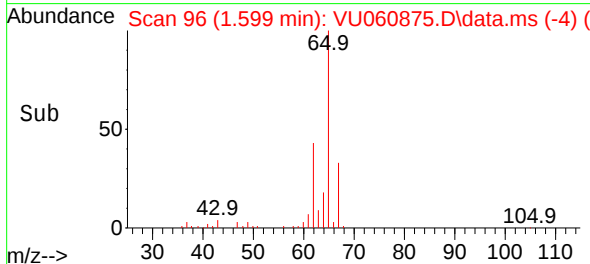
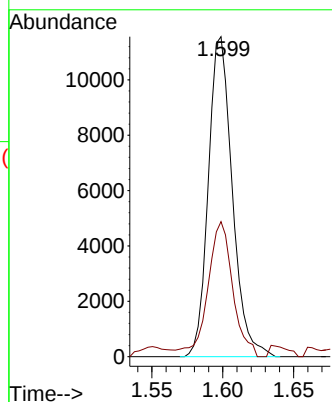
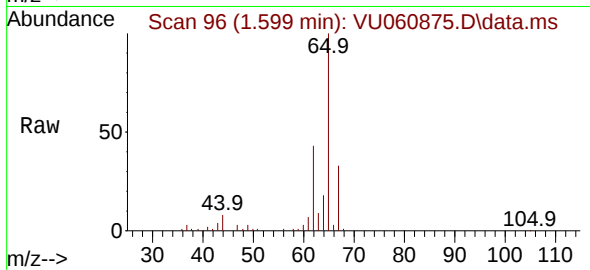
ClientSampleId :

Tgt Ion: 62 Resp: 13596

Ion Ratio Lower Upper

62 100

64 42.2 24.0 44.6



#8

Chloroethane

Concen: 7.245 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.000 min

Lab File: VU060875.D

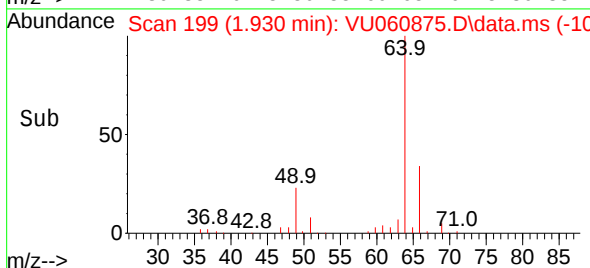
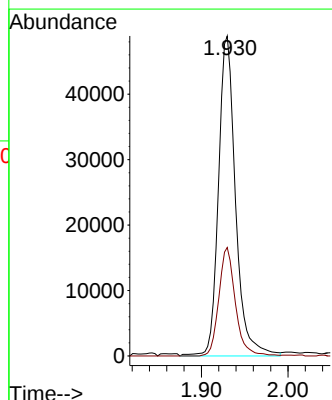
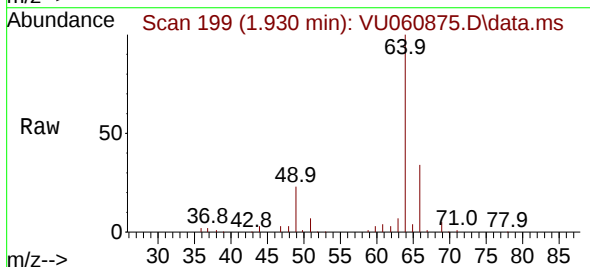
Acq: 18 Sep 2024 17:12

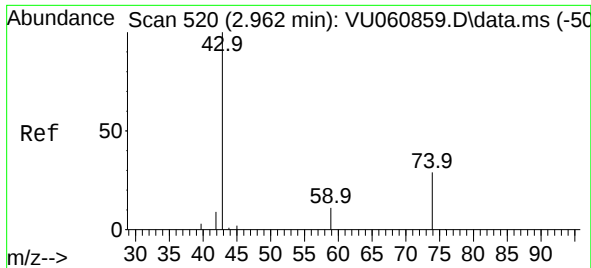
Tgt Ion: 64 Resp: 66902

Ion Ratio Lower Upper

64 100

66 33.9 22.3 41.3





#15

Methyl Acetate

Concen: 1.816 ug/L

RT: 3.033 min Scan# 542

Delta R.T. 0.071 min

Lab File: VU060875.D

Acq: 18 Sep 2024 17:12

Instrument :

MSVOA_U

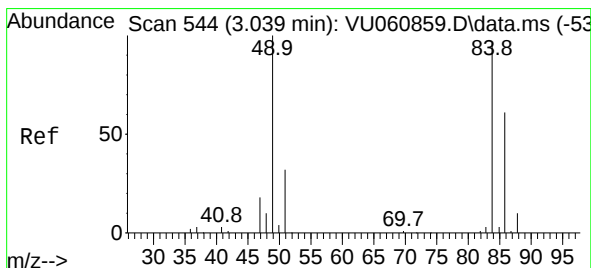
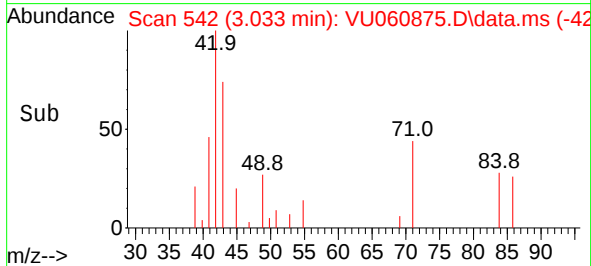
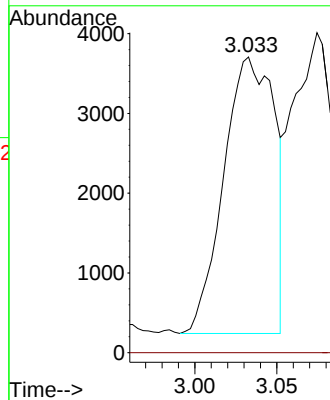
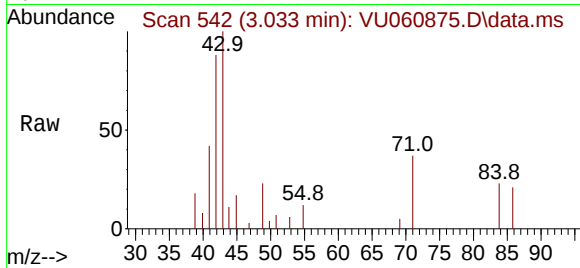
ClientSampleId :

Tgt Ion: 43 Resp: 7470

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



#16

Methylene chloride

Concen: 0.164 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU060875.D

Acq: 18 Sep 2024 17:12

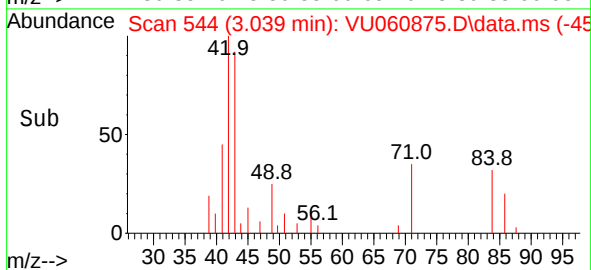
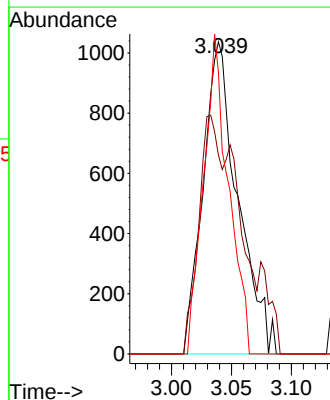
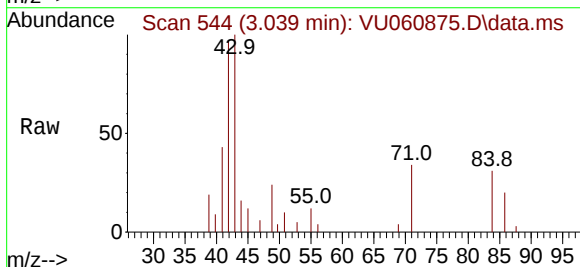
Tgt Ion: 84 Resp: 2086

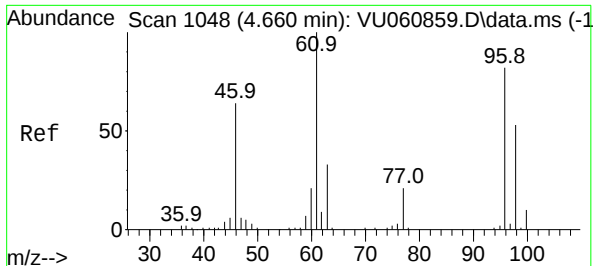
Ion Ratio Lower Upper

84 100

86 63.6 47.3 87.8

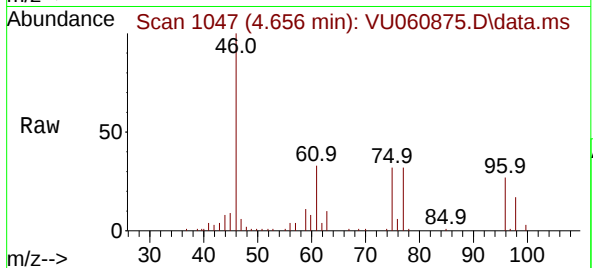
49 90.2 78.7 146.1



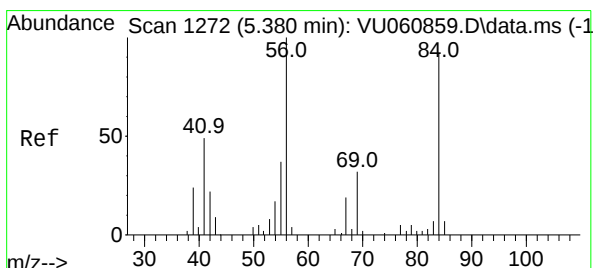
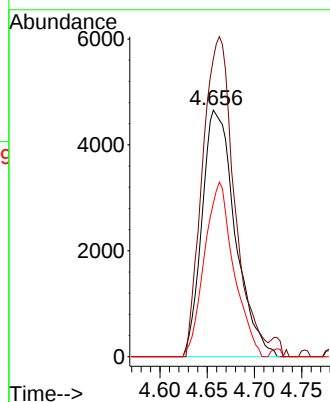
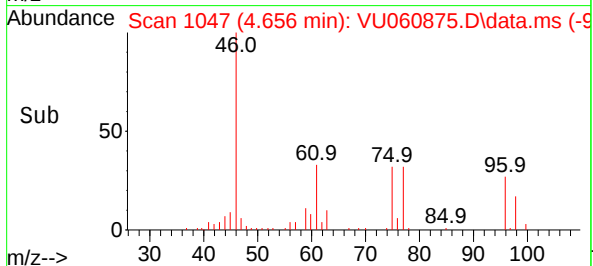


#22
cis-1,2-Dichloroethene
Concen: 0.899 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU060875.D
Acq: 18 Sep 2024 17:12

Instrument :
MSVOA_U
ClientSampleId :

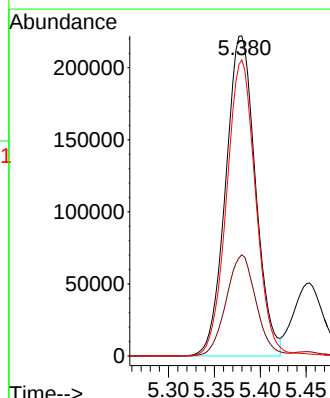
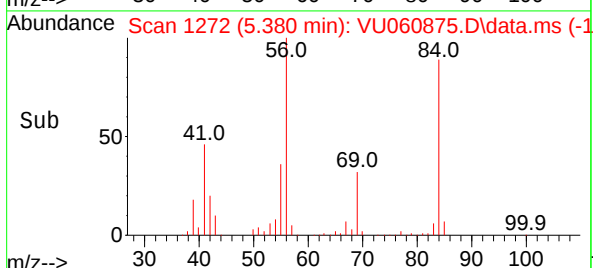
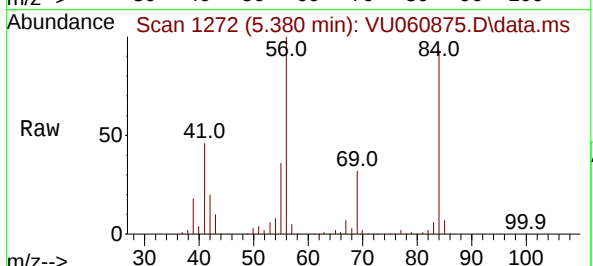


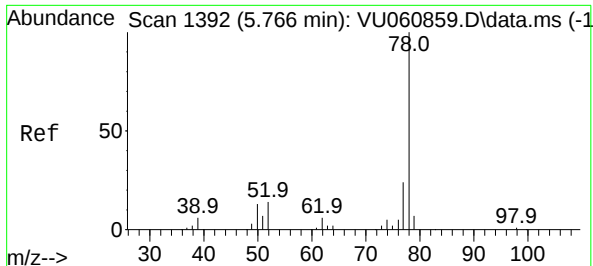
Tgt Ion: 96 Resp: 11356
Ion Ratio Lower Upper
96 100
61 120.8 89.7 166.5
98 62.2 45.1 83.9



#30
Cyclohexane
Concen: 34.126 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU060875.D
Acq: 18 Sep 2024 17:12

Tgt Ion: 56 Resp: 502226
Ion Ratio Lower Upper
56 100
69 31.6 25.4 38.0
84 90.6 71.0 106.6

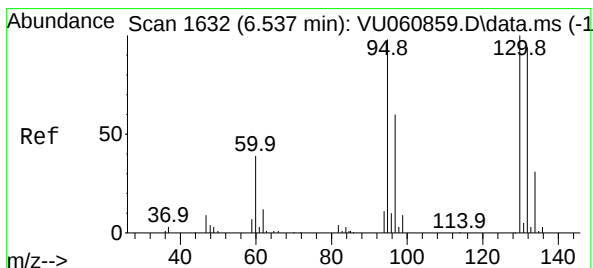
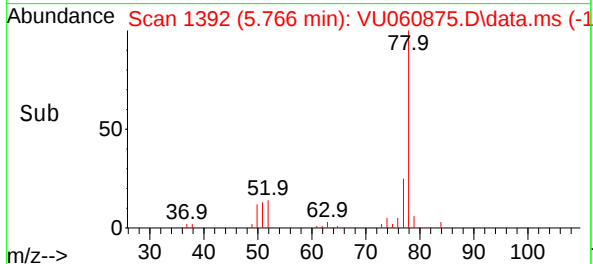
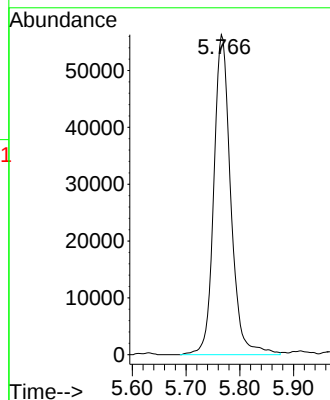
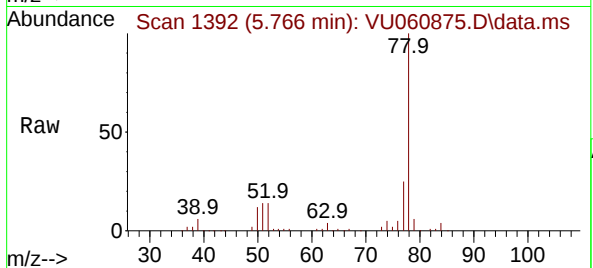




#33
Benzene
Concen: 2.705 ug/L
RT: 5.766 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU060875.D
Acq: 18 Sep 2024 17:12

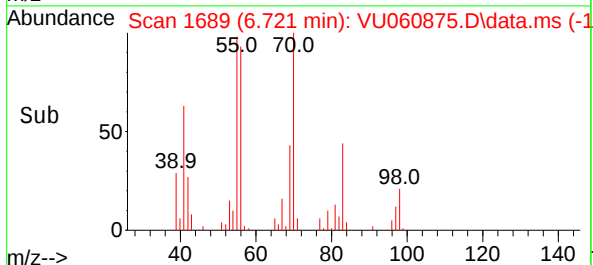
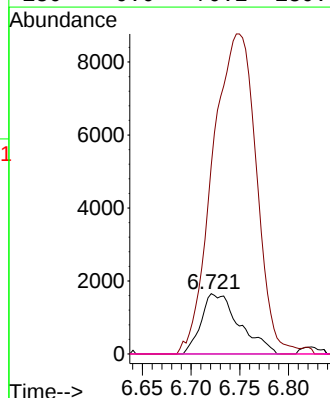
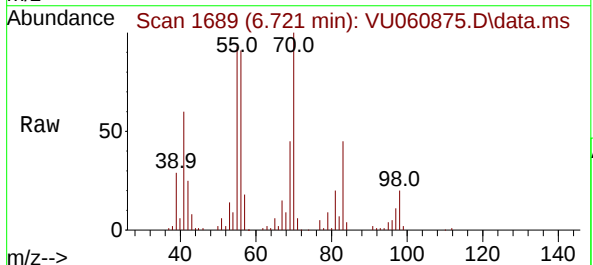
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MSVOA_U
ClientSampleId :

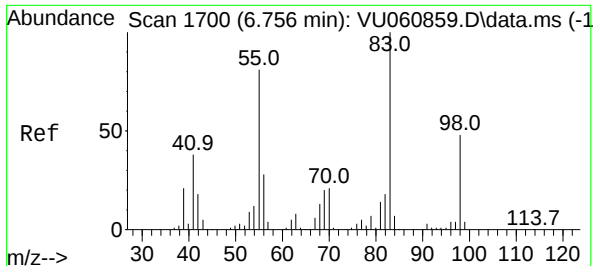
Tgt Ion: 78 Resp: 123368



#34
Trichloroethene
Concen: 0.377 ug/L
RT: 6.721 min Scan# 1689
Delta R.T. 0.183 min
Lab File: VU060875.D
Acq: 18 Sep 2024 17:12

Tgt Ion: 95 Resp: 4505
Ion Ratio Lower Upper
95 100
97 312.4 44.9 83.5#
132 0.0 63.5 117.9#
130 0.0 70.2 130.4#





#35

Methylcyclohexane

Concen: 39.767 ug/L

RT: 6.753 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU060875.D

Acq: 18 Sep 2024 17:12

Instrument :

MSVOA_U

ClientSampleId :

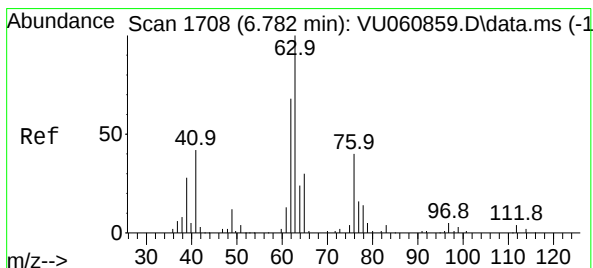
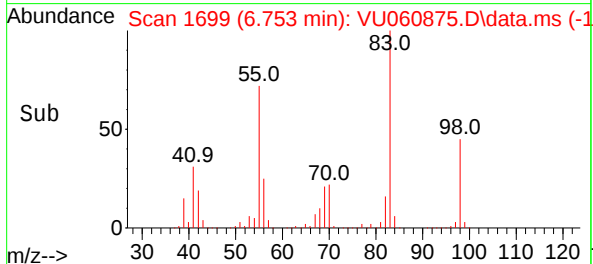
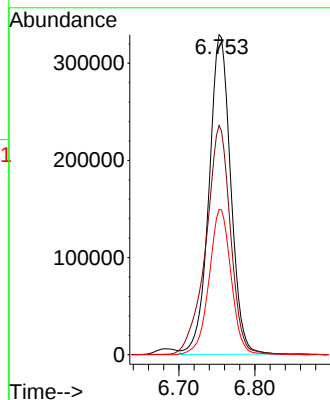
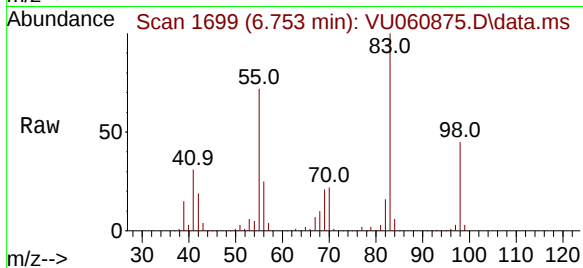
Tgt Ion: 83 Resp: 652236

Ion Ratio Lower Upper

83 100

55 80.8 62.6 94.0

98 46.2 37.6 56.4



#37

1,2-Dichloropropane

Concen: 0.511 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.029 min

Lab File: VU060875.D

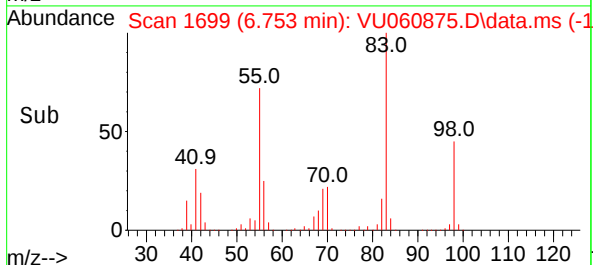
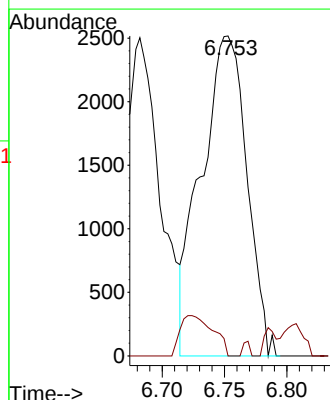
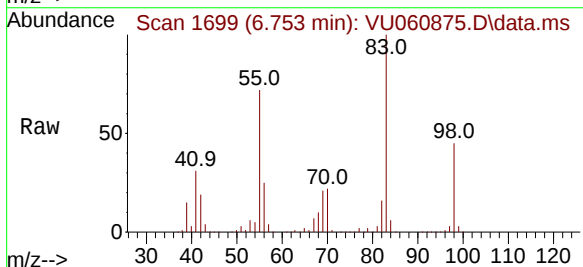
Acq: 18 Sep 2024 17:12

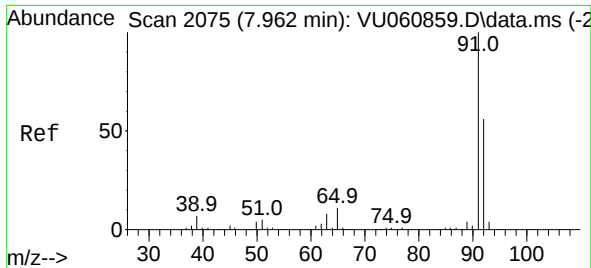
Tgt Ion: 63 Resp: 6426

Ion Ratio Lower Upper

63 100

112 0.7 2.0 3.0#





#42

Toluene

Concen: 0.132 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU060875.D

Acq: 18 Sep 2024 17:12

Instrument :

MSVOA_U

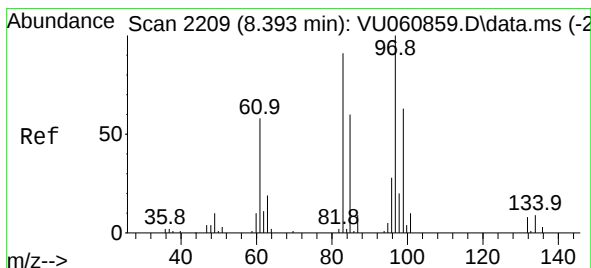
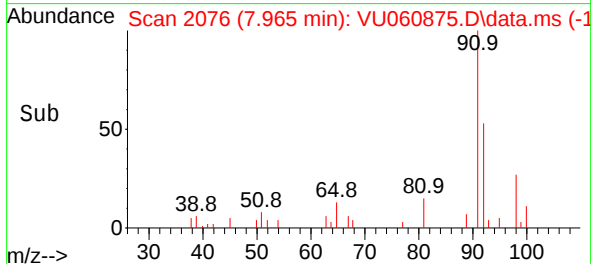
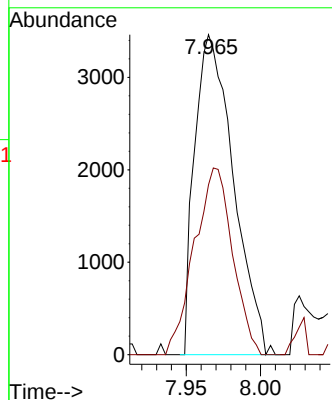
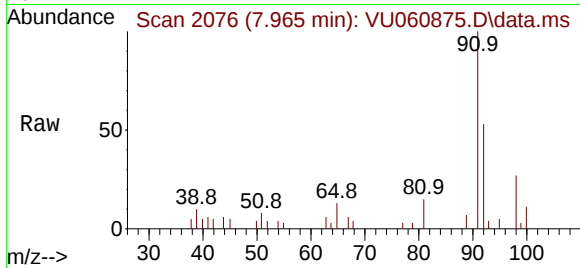
ClientSampleId :

Tgt Ion: 91 Resp: 6284

Ion Ratio Lower Upper

91 100

92 53.1 40.5 75.3



#45

1,1,2-Trichloroethane

Concen: 3.655 ug/L

RT: 8.360 min Scan# 2199

Delta R.T. -0.032 min

Lab File: VU060875.D

Acq: 18 Sep 2024 17:12

Tgt Ion: 97 Resp: 33158

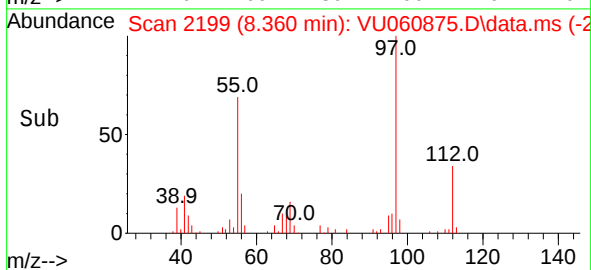
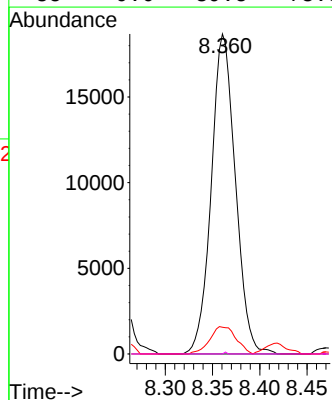
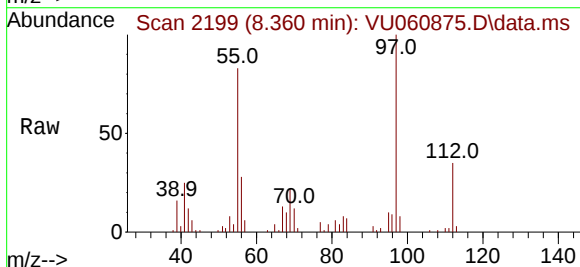
Ion Ratio Lower Upper

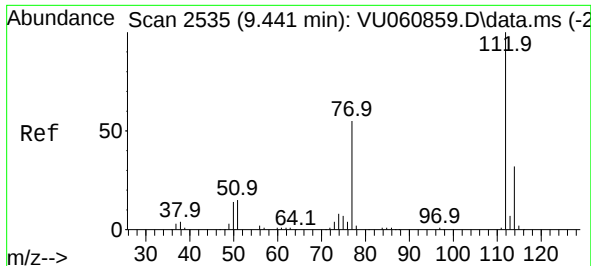
97 100

99 0.0 42.3 78.5#

83 8.4 61.7 114.5#

85 0.0 39.5 73.3#





#51

Chlorobenzene

Concen: 0.163 ug/L

RT: 9.444 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU060875.D

Acq: 18 Sep 2024 17:12

Instrument :

MSVOA_U

ClientSampleId :

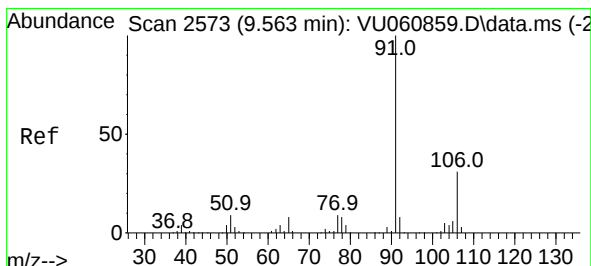
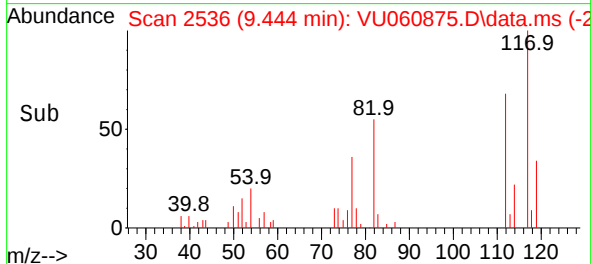
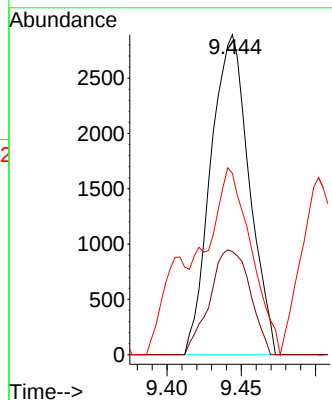
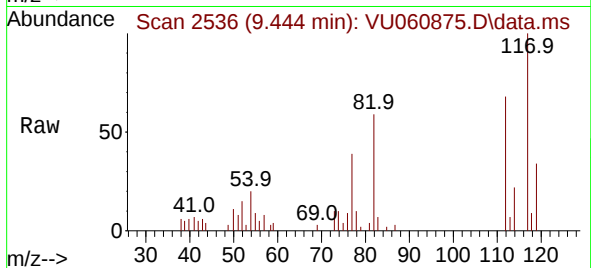
Tgt Ion:112 Resp: 5209

Ion Ratio Lower Upper

112 100

114 32.2 22.2 41.2

77 56.7 46.1 69.1



#52

Ethylbenzene

Concen: 53.889 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU060875.D

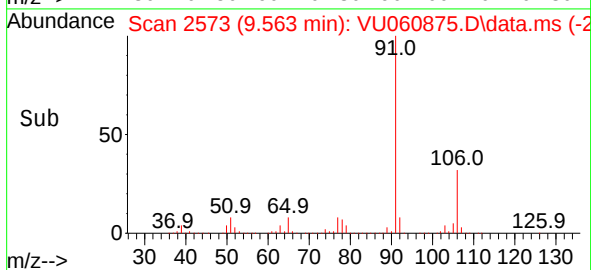
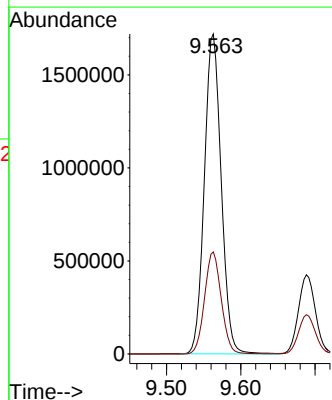
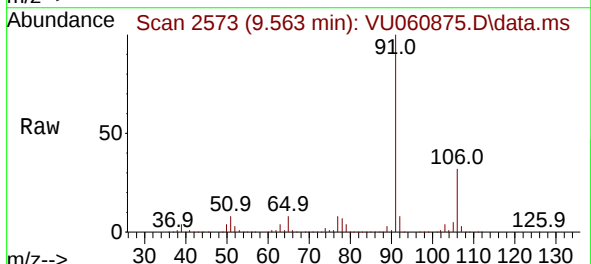
Acq: 18 Sep 2024 17:12

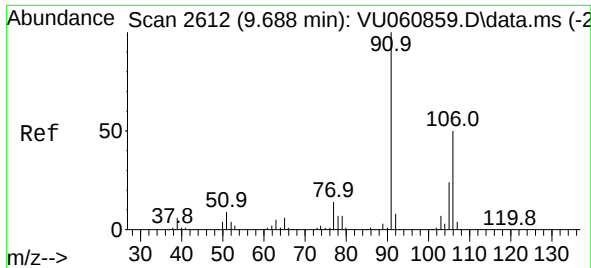
Tgt Ion: 91 Resp: 2705012

Ion Ratio Lower Upper

91 100

106 31.9 21.8 40.6

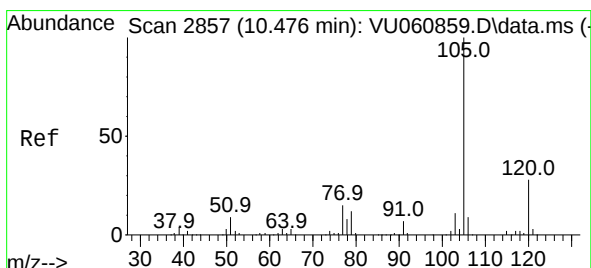
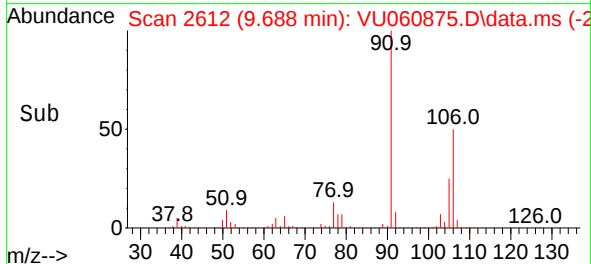
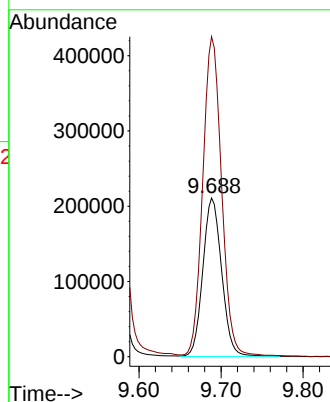
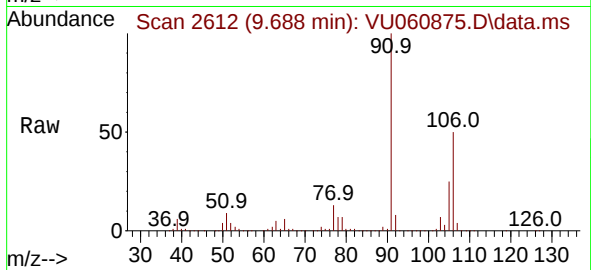




#53
m,p-Xylene
Concen: 17.606 ug/L
RT: 9.688 min Scan# 20
Delta R.T. -0.000 min
Lab File: VU060875.D
Acq: 18 Sep 2024 17:12

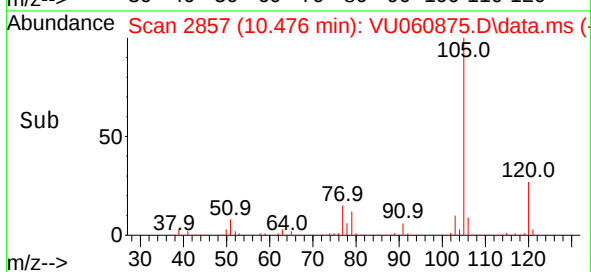
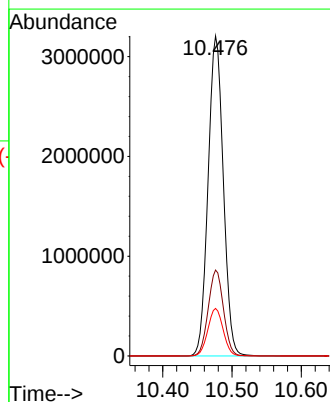
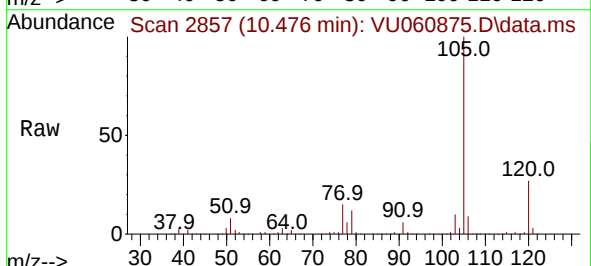
Instrument :
MSVOA_U
ClientSampleId :

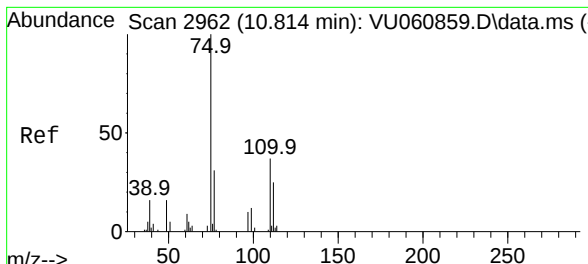
Tgt Ion:106 Resp: 335093
Ion Ratio Lower Upper
106 100
91 201.6 139.7 259.4



#60
Isopropylbenzene
Concen: 87.546 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU060875.D
Acq: 18 Sep 2024 17:12

Tgt Ion:105 Resp: 4873996
Ion Ratio Lower Upper
105 100
120 26.9 21.5 32.3
77 14.9 12.6 18.8

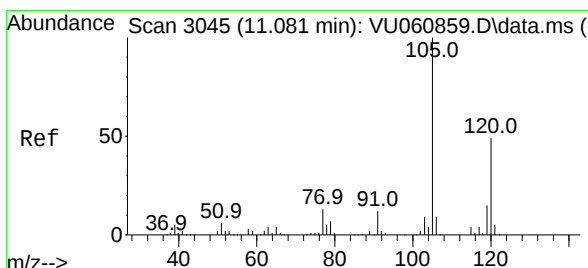
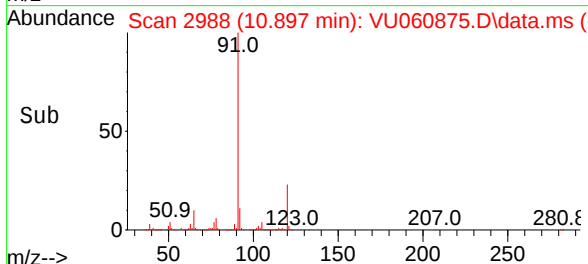
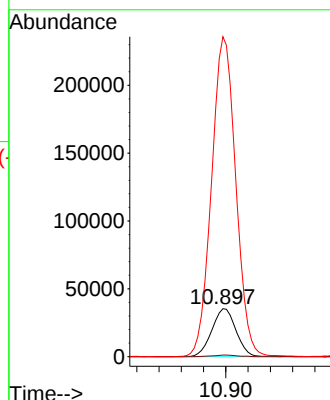
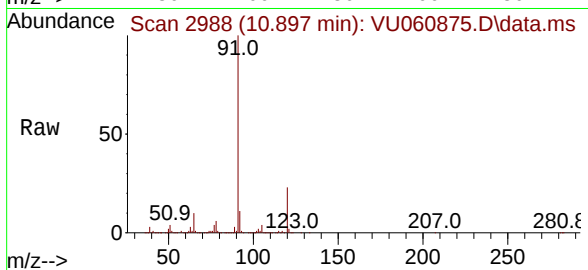




#61
1,2,3-Trichloropropane
Concen: 6.078 ug/L
RT: 10.897 min Scan# 20
Delta R.T. 0.084 min
Lab File: VU060875.D
Acq: 18 Sep 2024 17:12

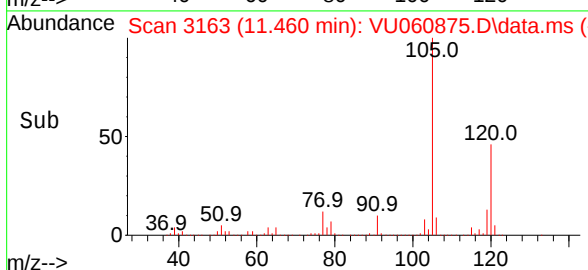
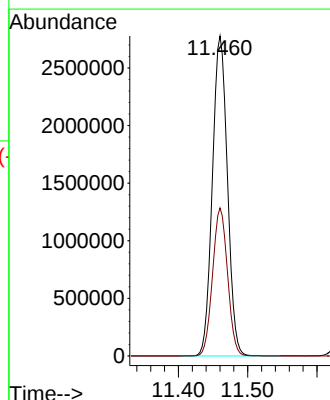
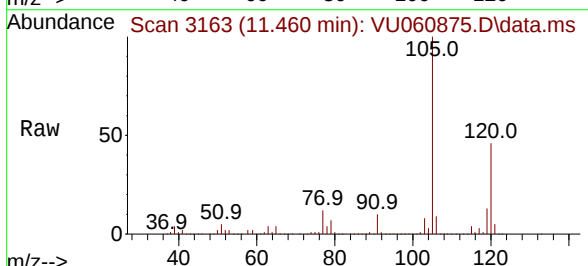
Instrument :
MSVOA_U
ClientSampleId :

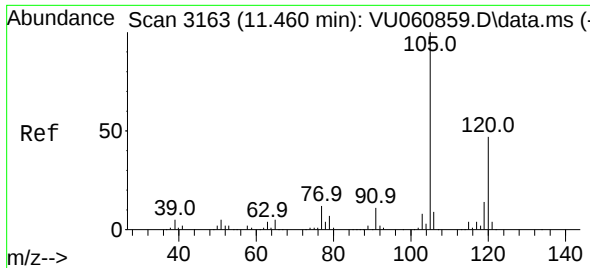
Tgt Ion: 75 Resp: 53261
Ion Ratio Lower Upper
75 100
110 3.4 28.6 43.0#
77 670.6 26.3 39.5#



#62
1,3,5-Trimethylbenzene
Concen: 96.505 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.379 min
Lab File: VU060875.D
Acq: 18 Sep 2024 17:12

Tgt Ion:105 Resp: 4175766
Ion Ratio Lower Upper
105 100
120 46.1 38.5 57.7





#63

1,2,4-Trimethylbenzene

Concen: 97.671 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU060875.D

Acq: 18 Sep 2024 17:12

Instrument :

MSVOA_U

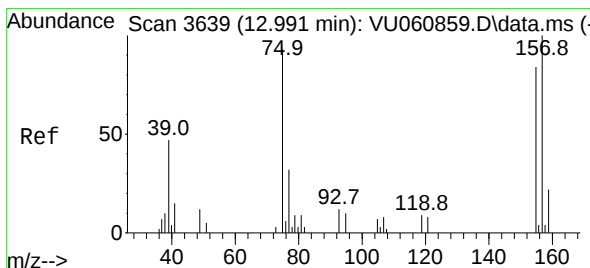
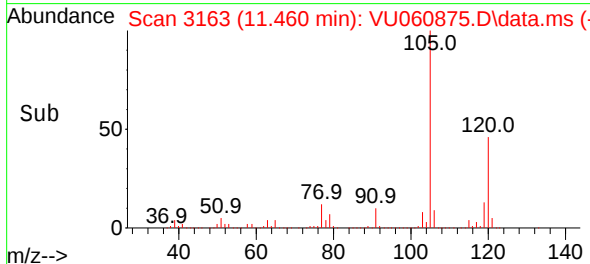
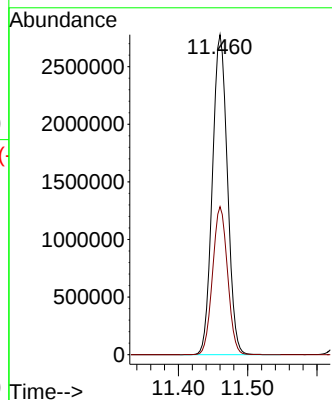
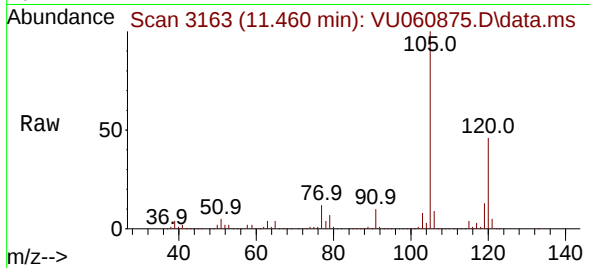
ClientSampleId :

Tgt Ion:105 Resp: 4175766

Ion Ratio Lower Upper

105 100

120 46.1 36.1 54.1



#68

1,2-Dibromo-3-chloropropane

Concen: 6.330 ug/L

RT: 13.016 min Scan# 3647

Delta R.T. 0.026 min

Lab File: VU060875.D

Acq: 18 Sep 2024 17:12

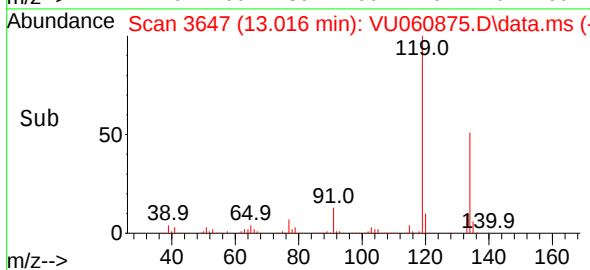
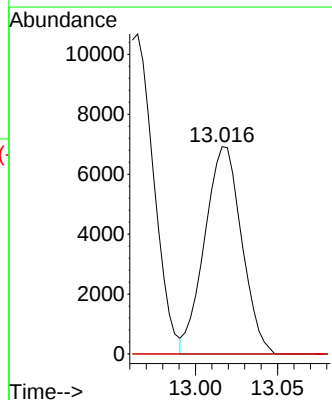
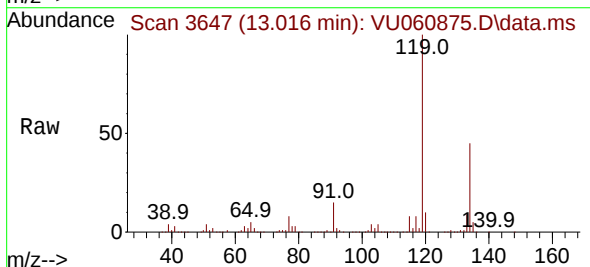
Tgt Ion: 75 Resp: 10830

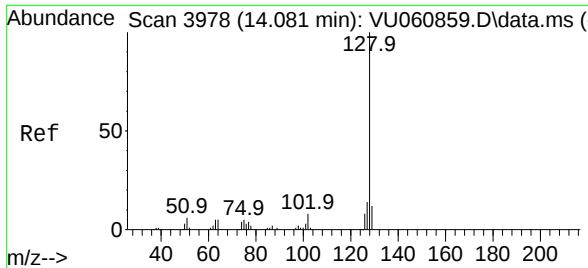
Ion Ratio Lower Upper

75 100

155 0.0 73.1 109.7#

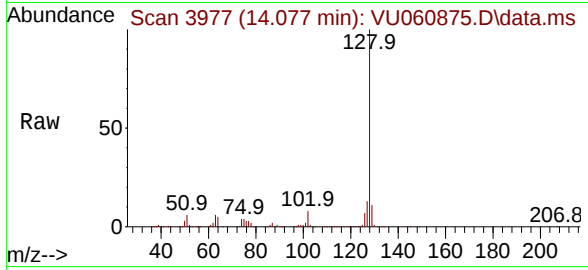
157 0.0 91.0 136.4#





#71
Naphthalene
Concen: 120.565 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.003 min
Lab File: VU060875.D
Acq: 18 Sep 2024 17:12

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 2345573
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.1 10.7 16.1

