

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060059.D
 Acq On : 19 Jul 2024 14:46
 Operator : MD/SY
 Sample : P3244-02 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 20 01:40:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 20 01:37:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	135283	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	135528	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	69156	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	39649	4.212	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.200%
7) Chloroethane-d5	1.911	69	34116	3.902	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.563	65	14326	3.898	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.000%
20) 2-Butanone-d5	4.624	46	121235	55.092	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.180%
24) Chloroform-d	5.055	84	82931	4.192	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
26) 1,2-Dichloroethane-d4	5.695	65	41233	4.476	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.721	84	163610	4.506	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.682	67	53844	4.653	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.000%
41) Toluene-d8	7.891	98	137509	4.191	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.174	79	19227	4.882	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.627	63	97926	56.028	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.060%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	49188	4.776	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	61133	4.897	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	737572	53.247	ug/L	100
8) Chloroethane	1.930	64	3319	0.367	ug/L	96
12) 1,1-Dichloroethene	2.573	96	1767	0.171	ug/L #	1
13) Acetone	2.640	43	12601	8.656	ug/L	100
16) Methylene chloride	3.036	84	1942	0.153	ug/L	78
18) trans-1,2-Dichloroethene	3.348	96	5901	0.549	ug/L	89
19) 1,1-Dichloroethane	3.865	63	6661	0.327	ug/L	91
21) 2-Butanone	4.721	43	9725	4.220	ug/L #	62
22) cis-1,2-Dichloroethene	4.656	96	1077080	89.528	ug/L	99
33) Benzene	5.769	78	34684	0.775	ug/L	100
37) 1,2-Dichloropropane	6.679	63	5326	0.440	ug/L #	88
40) 4-Methyl-2-pentanone	7.962	43	29448	5.502	ug/L #	1
42) Toluene	7.962	91	5347070	112.227	ug/L	100
44) trans-1,3-Dichloropropene	7.962	75	31419	2.380	ug/L #	1
51) Chlorobenzene	9.444	112	8454	0.272	ug/L	93
52) Ethylbenzene	9.566	91	105781	2.226	ug/L	97
53) m,p-Xylene	9.685	106	152797	8.324	ug/L	100
54) o-Xylene	10.094	106	91599	5.218	ug/L	100
55) Styrene	10.094	104	5756	0.193	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jul 20 01:37:26 2024
Response via : Initial Calibration

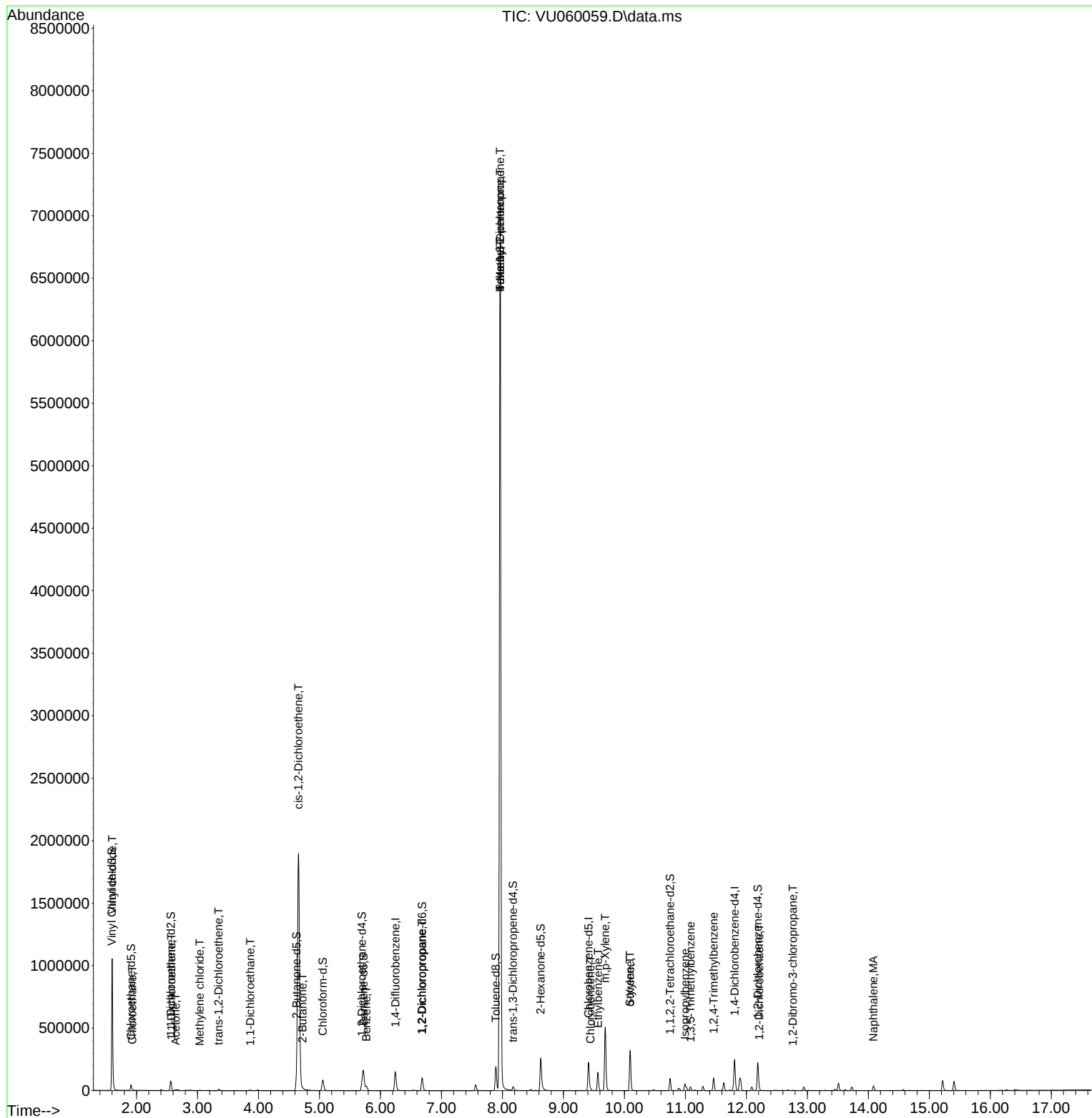
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.994	105	45612	1.008	ug/L	93
62) 1,3,5-Trimethylbenzene	11.084	105	15731	0.455	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	56921	1.704	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	6762	0.290	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.762	75	104	0.073	ug/L #	1
71) Naphthalene	14.084	128	35820	1.808	ug/L	99

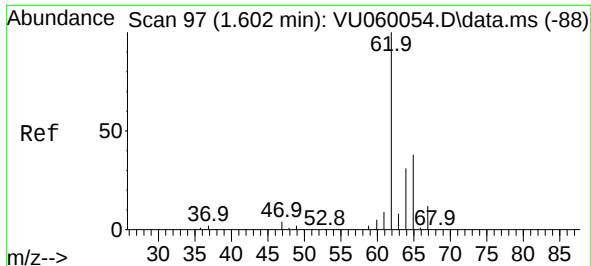
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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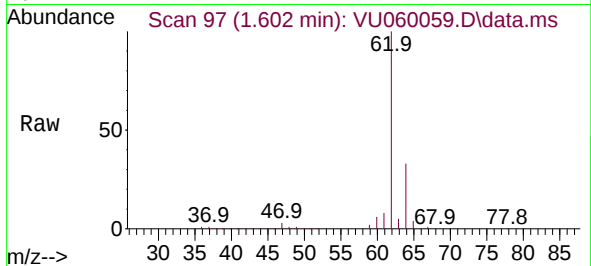
Quant Time: Jul 20 01:40:07 2024
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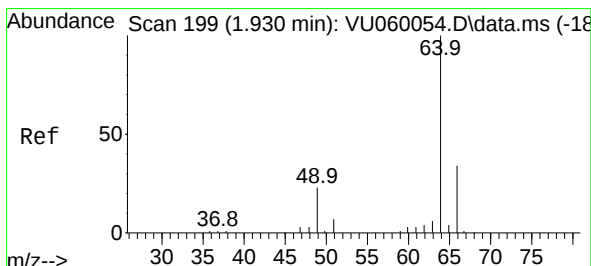
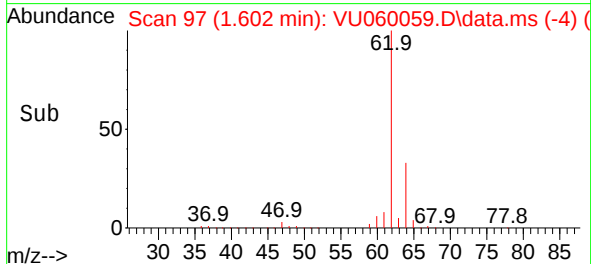
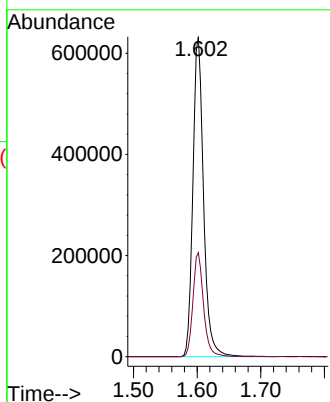


#5
 Vinyl chloride
 Concen: 53.247 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU060059.D
 Acq: 19 Jul 2024 14:46

Instrument :
 MSVOA_U
 ClientSampleId :

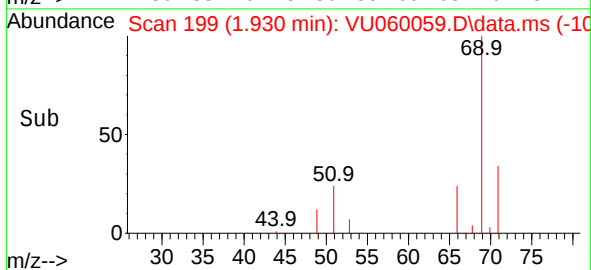
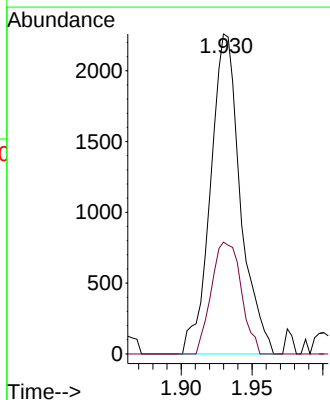
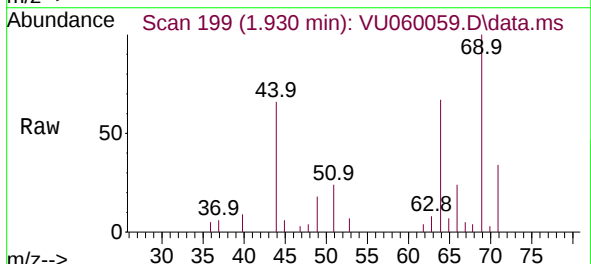


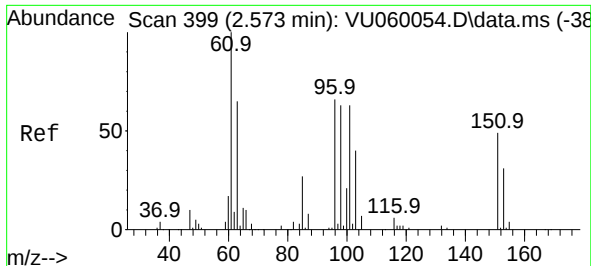
Tgt Ion: 62 Resp: 737572
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.8 42.4



#8
 Chloroethane
 Concen: 0.367 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. 0.000 min
 Lab File: VU060059.D
 Acq: 19 Jul 2024 14:46

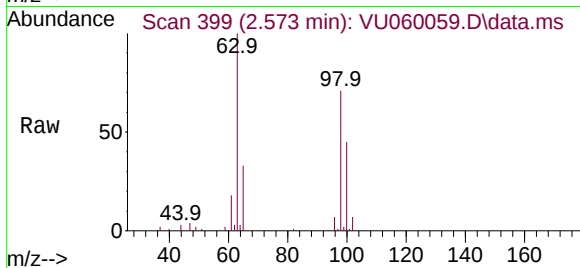
Tgt Ion: 64 Resp: 3319
 Ion Ratio Lower Upper
 64 100
 66 35.0 22.8 42.4



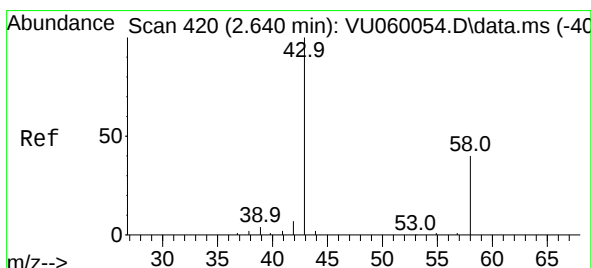
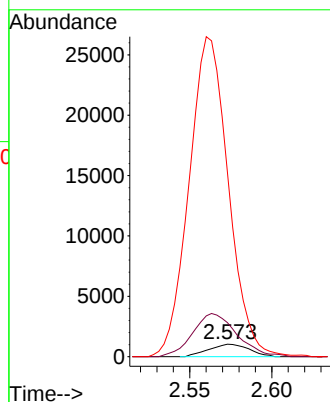
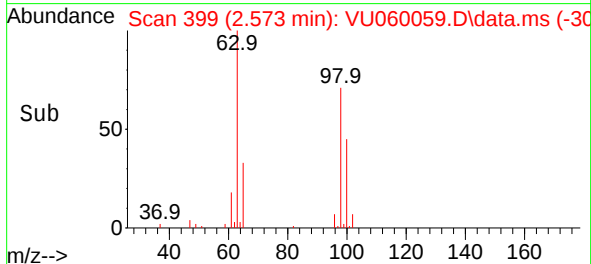


#12
1,1-Dichloroethene
Concen: 0.171 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU060059.D
Acq: 19 Jul 2024 14:46

Instrument :
MSVOA_U
ClientSampleId :

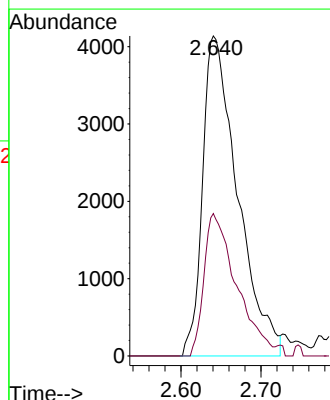
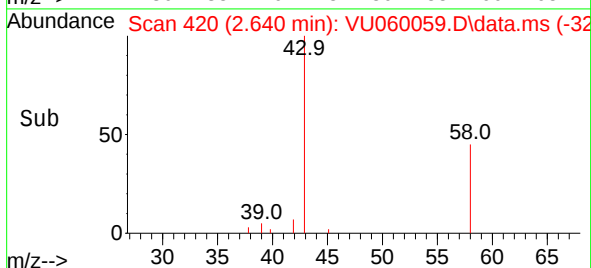
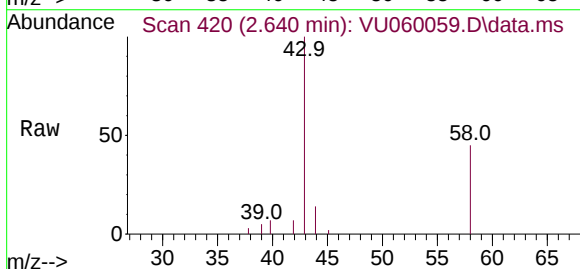


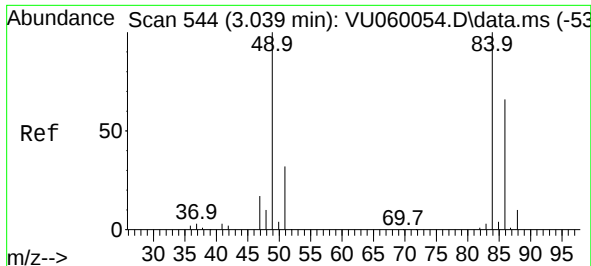
Tgt Ion: 96 Resp: 1767
Ion Ratio Lower Upper
96 100
61 273.7 107.0 198.6#
63 1479.9 76.4 142.0#



#13
Acetone
Concen: 8.656 ug/L
RT: 2.640 min Scan# 420
Delta R.T. 0.000 min
Lab File: VU060059.D
Acq: 19 Jul 2024 14:46

Tgt Ion: 43 Resp: 12601
Ion Ratio Lower Upper
43 100
58 41.3 0.0 82.2





#16

Methylene chloride

Concen: 0.153 ug/L

RT: 3.036 min Scan# 544

Delta R.T. -0.003 min

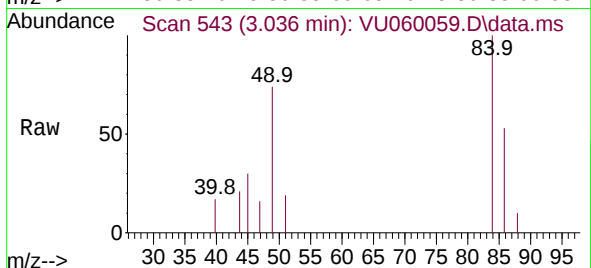
Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

Instrument :

MSVOA_U

ClientSampleId :



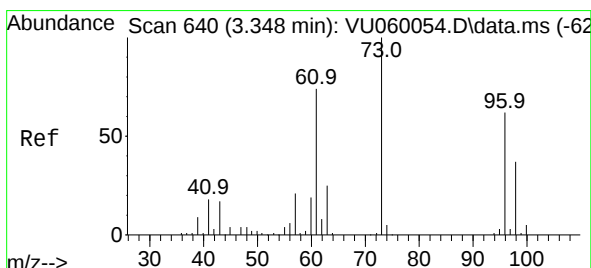
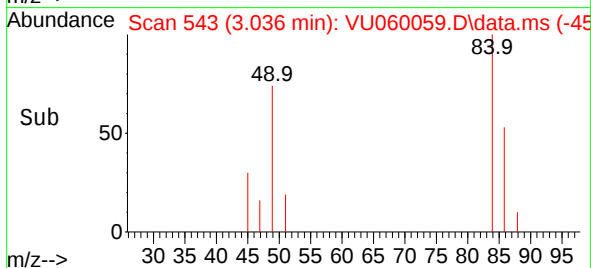
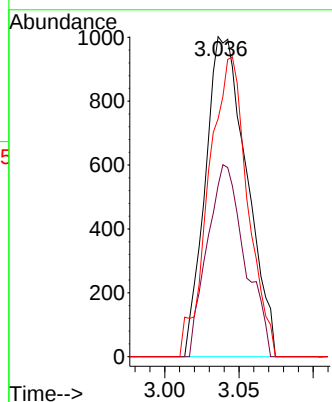
Tgt Ion: 84 Resp: 1942

Ion Ratio Lower Upper

84 100

86 53.5 44.4 82.5

49 74.4 72.0 133.6



#18

trans-1,2-Dichloroethene

Concen: 0.549 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

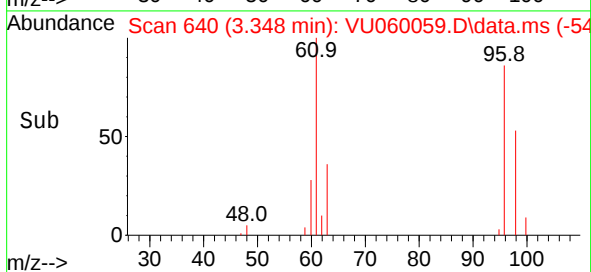
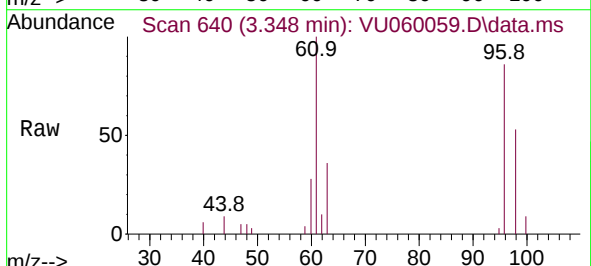
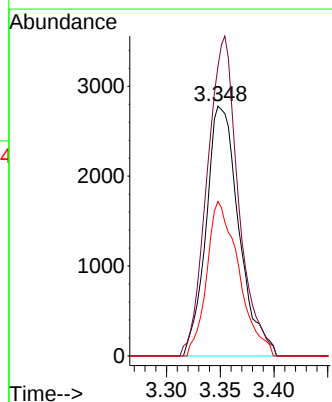
Tgt Ion: 96 Resp: 5901

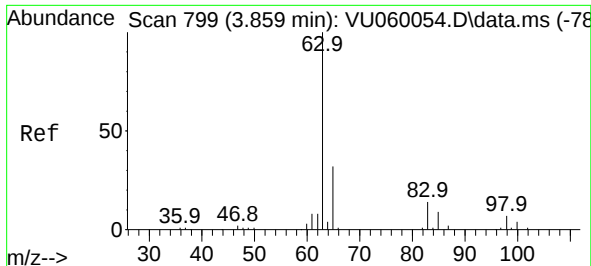
Ion Ratio Lower Upper

96 100

61 116.0 91.6 170.0

98 61.9 47.7 88.5





#19

1,1-Dichloroethane

Concen: 0.327 ug/L

RT: 3.865 min Scan# 801

Delta R.T. 0.006 min

Lab File: VU060059.D

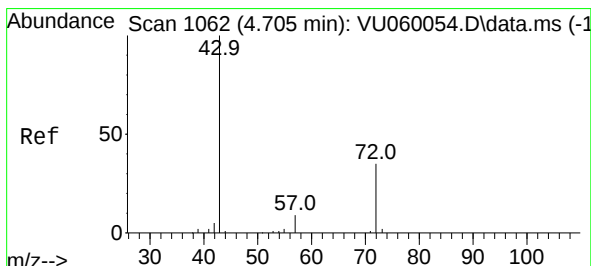
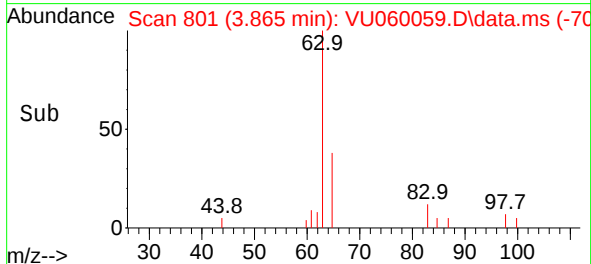
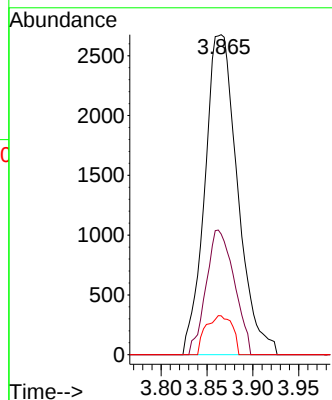
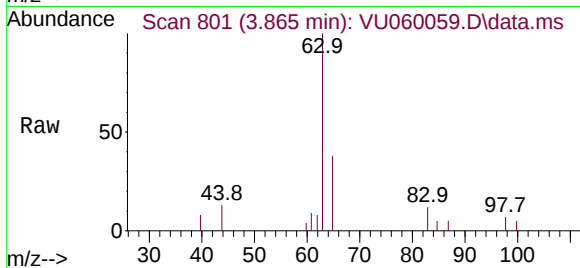
Acq: 19 Jul 2024 14:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 6661
Ion Ratio	Lower Upper
63	100
65	37.7 22.0 40.8
83	12.2 9.7 17.9



#21

2-Butanone

Concen: 4.220 ug/L

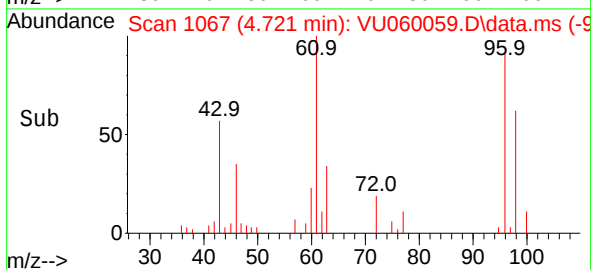
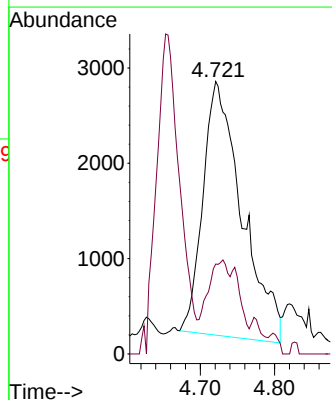
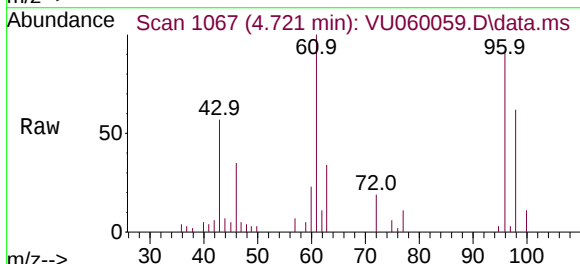
RT: 4.721 min Scan# 1067

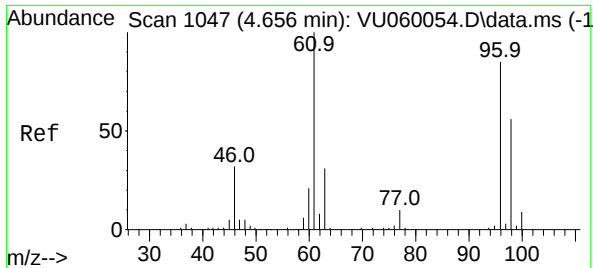
Delta R.T. 0.016 min

Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

Tgt Ion: 43	Resp: 9725
Ion Ratio	Lower Upper
43	100
72	11.3 16.3 48.9#





#22

cis-1,2-Dichloroethene

Concen: 89.528 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU060059.D

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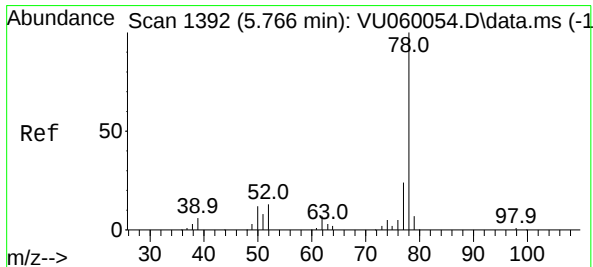
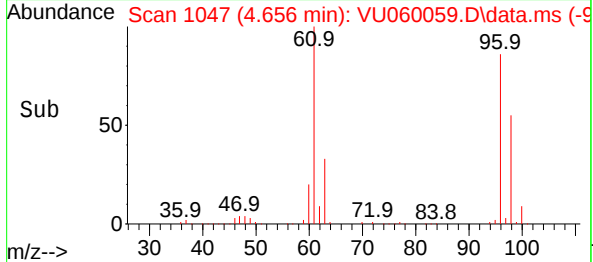
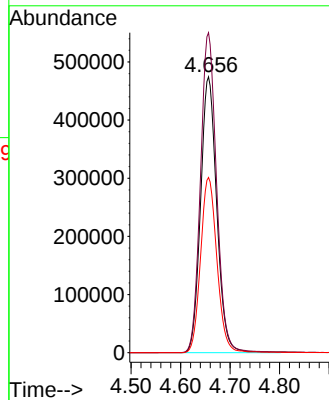
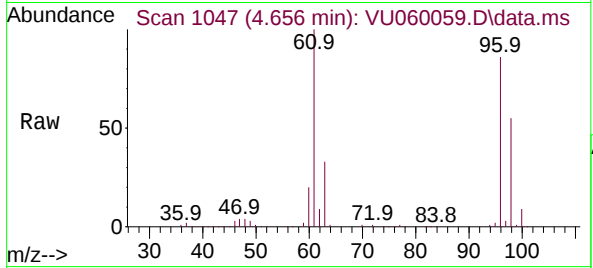
Tgt Ion: 96 Resp: 1077080

Ion Ratio Lower Upper

96 100

61 116.0 80.2 148.9

98 63.5 44.7 83.1



#33

Benzene

Concen: 0.775 ug/L

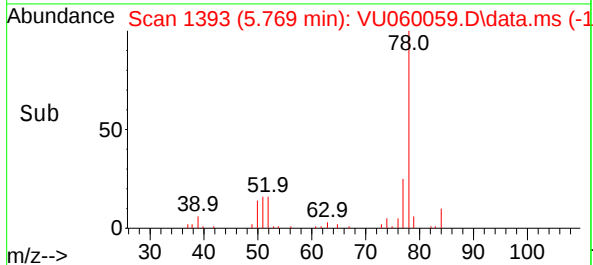
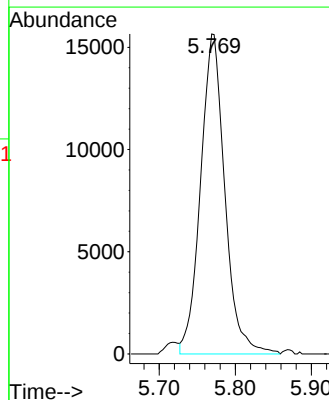
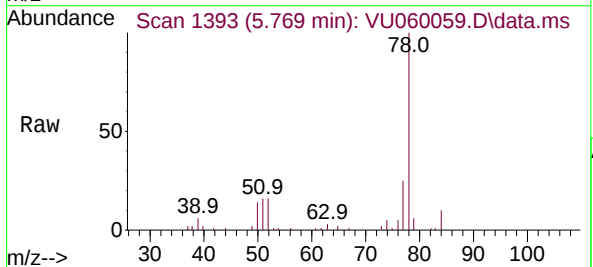
RT: 5.769 min Scan# 1393

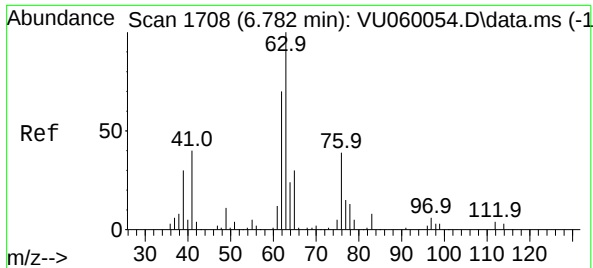
Delta R.T. 0.003 min

Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

Tgt Ion: 78 Resp: 34684

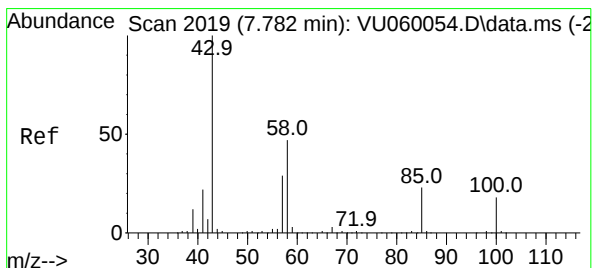
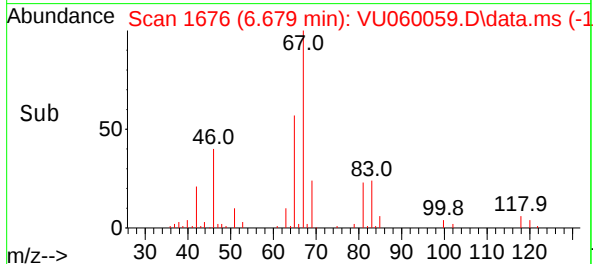
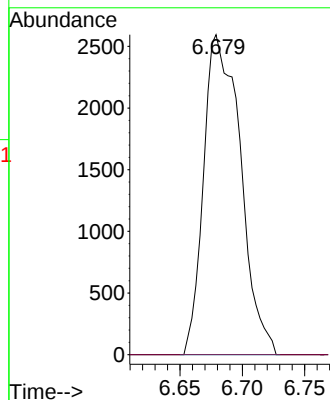
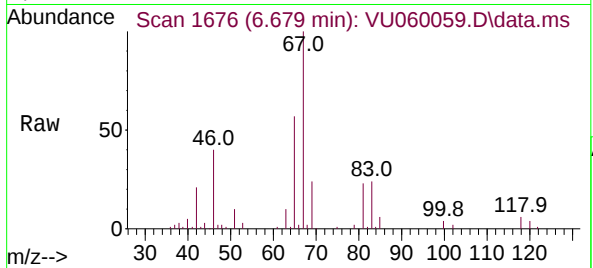




#37
1,2-Dichloropropane
Concen: 0.440 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU060059.D
Acq: 19 Jul 2024 14:46

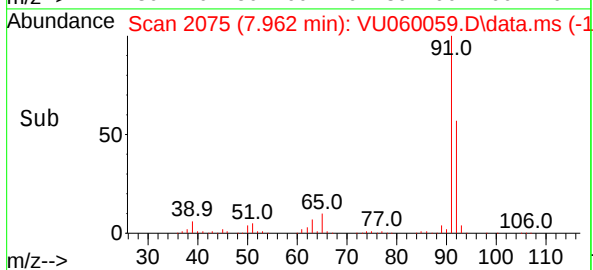
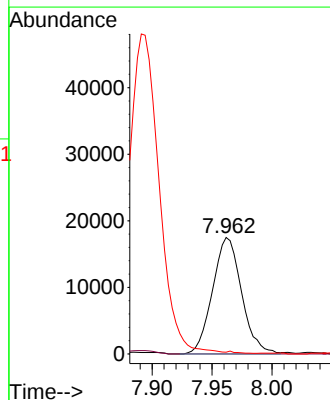
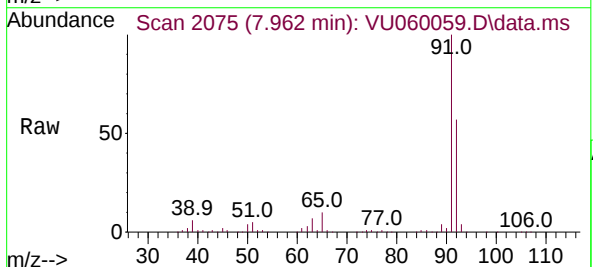
Instrument :
MSVOA_U
ClientSampleId :

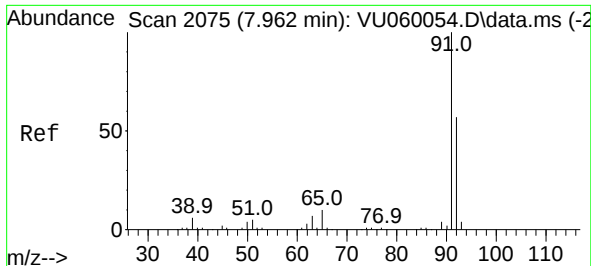
Tgt Ion: 63 Resp: 5326
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#40
4-Methyl-2-pentanone
Concen: 5.502 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.180 min
Lab File: VU060059.D
Acq: 19 Jul 2024 14:46

Tgt Ion: 43 Resp: 29448
Ion Ratio Lower Upper
43 100
58 2.9 36.0 54.0#
100 288.9 14.9 22.3#





#42

Toluene

Concen: 112.227 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

Instrument :

MSVOA_U

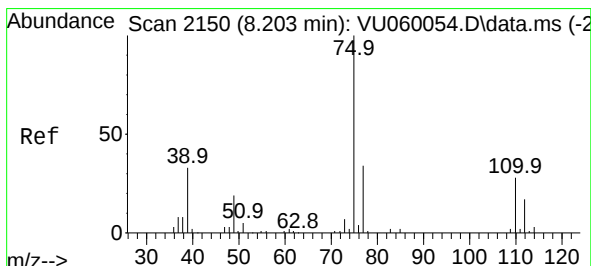
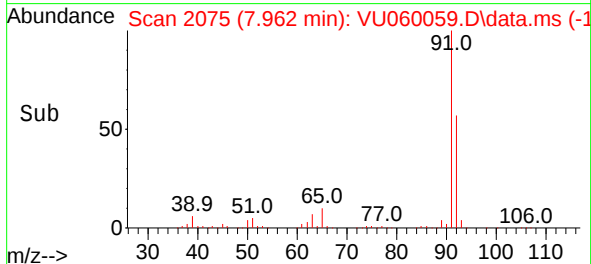
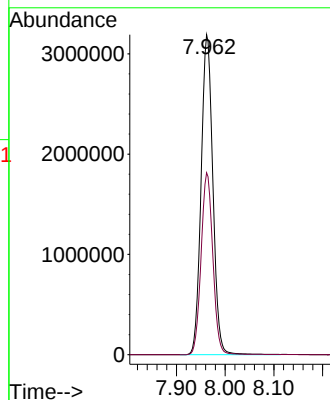
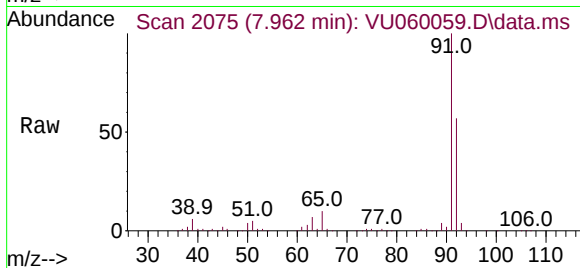
ClientSampleId :

Tgt Ion: 91 Resp: 5347070

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 2.380 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.241 min

Lab File: VU060059.D

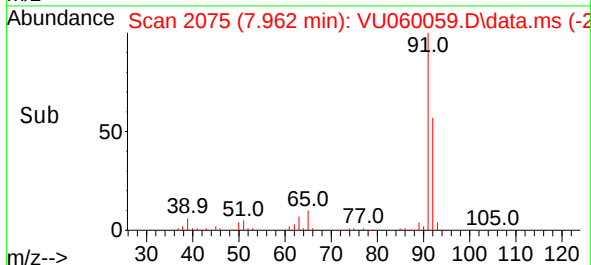
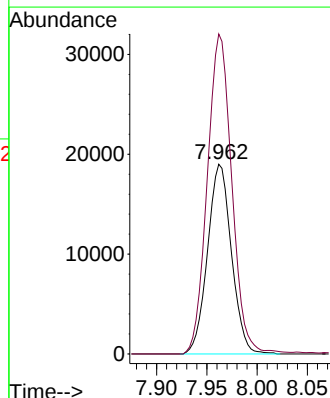
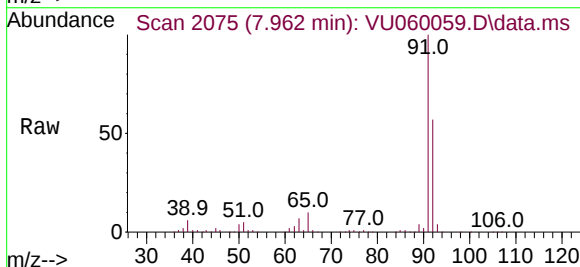
Acq: 19 Jul 2024 14:46

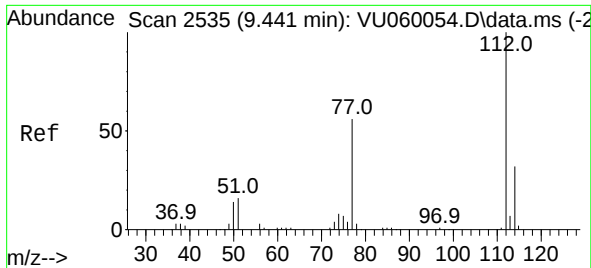
Tgt Ion: 75 Resp: 31419

Ion Ratio Lower Upper

75 100

77 168.7 22.6 42.0#

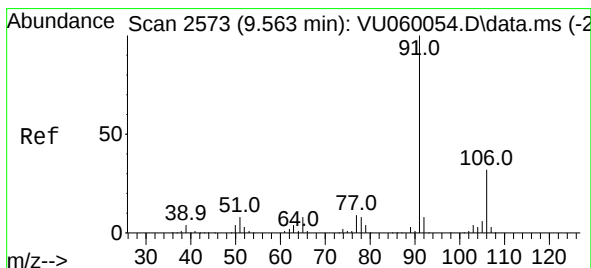
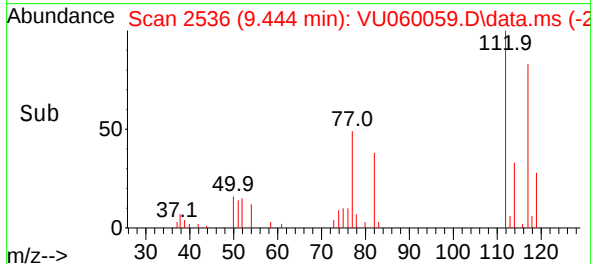
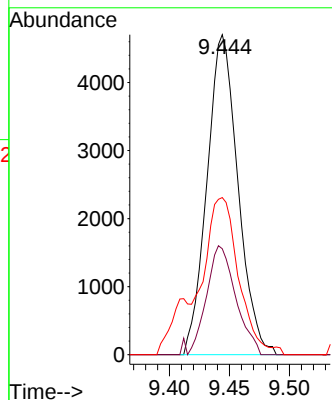
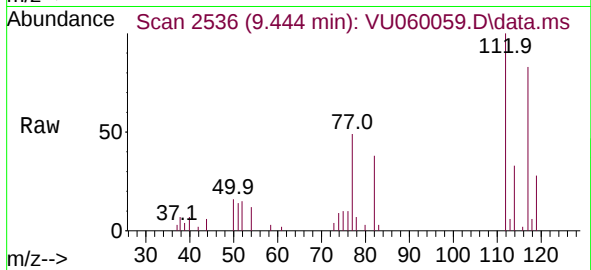




#51
Chlorobenzene
Concen: 0.272 ug/L
RT: 9.444 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU060059.D
Acq: 19 Jul 2024 14:46

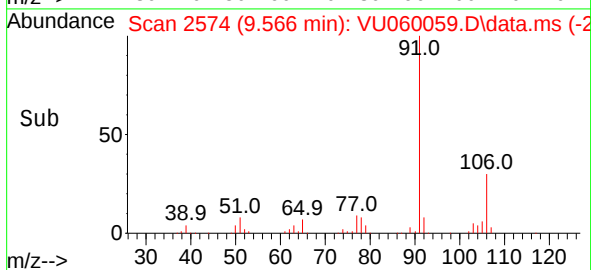
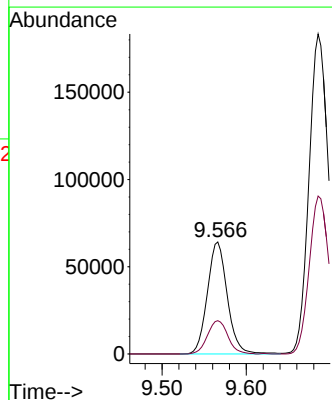
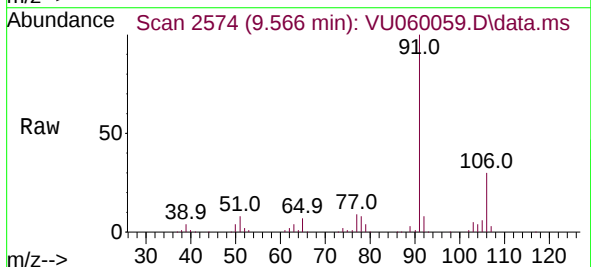
Instrument :
MSVOA_U
ClientSampleId :

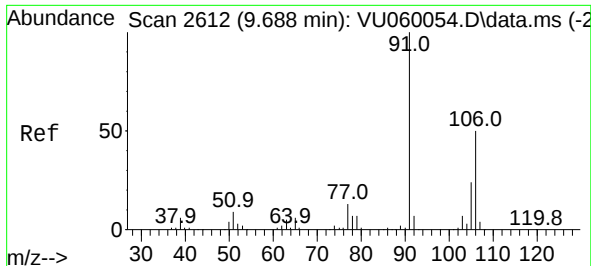
Tgt Ion:112 Resp: 8454
Ion Ratio Lower Upper
112 100
114 33.1 22.1 41.1
77 49.1 44.7 67.1



#52
Ethylbenzene
Concen: 2.226 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU060059.D
Acq: 19 Jul 2024 14:46

Tgt Ion: 91 Resp: 105781
Ion Ratio Lower Upper
91 100
106 29.7 21.9 40.7





#53

m,p-Xylene

Concen: 8.324 ug/L

RT: 9.685 min Scan# 2612

Delta R.T. -0.003 min

Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

Instrument :

MSVOA_U

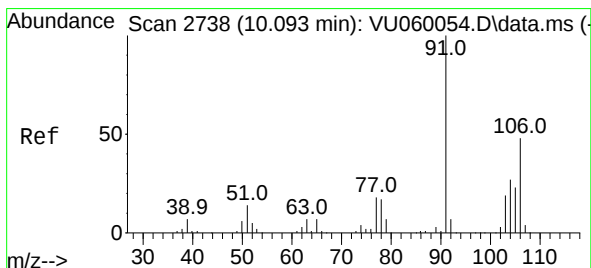
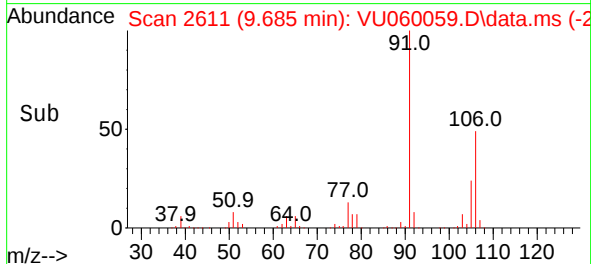
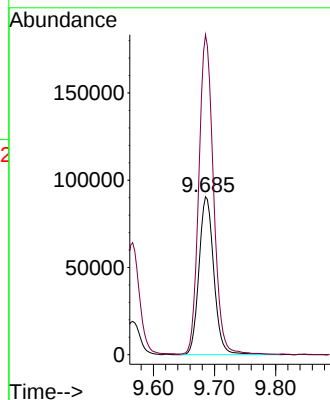
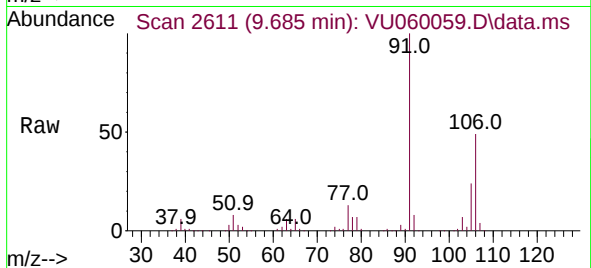
ClientSampleId :

Tgt Ion:106 Resp: 152797

Ion Ratio Lower Upper

106 100

91 202.5 141.3 262.5



#54

o-Xylene

Concen: 5.218 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU060059.D

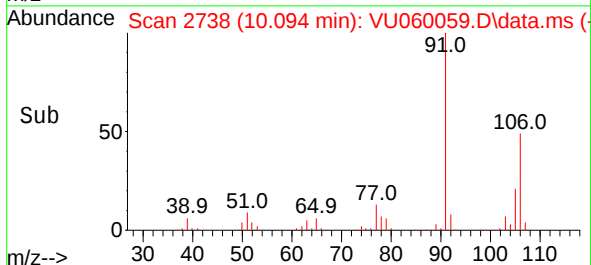
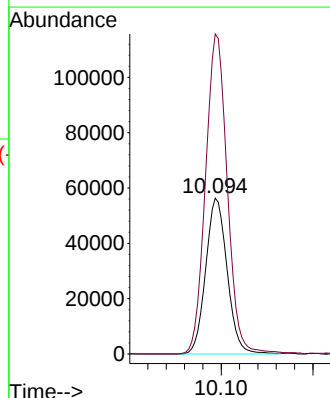
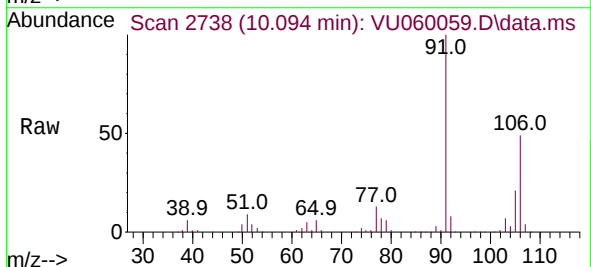
Acq: 19 Jul 2024 14:46

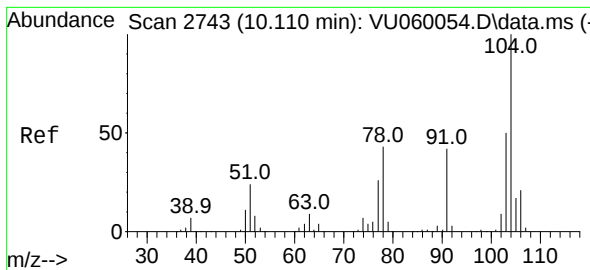
Tgt Ion:106 Resp: 91599

Ion Ratio Lower Upper

106 100

91 205.3 143.6 266.6





#55

Styrene

Concen: 0.193 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.016 min

Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

Instrument :

MSVOA_U

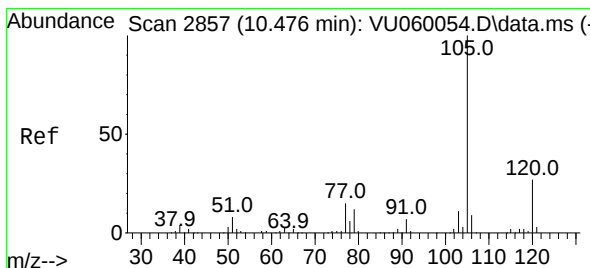
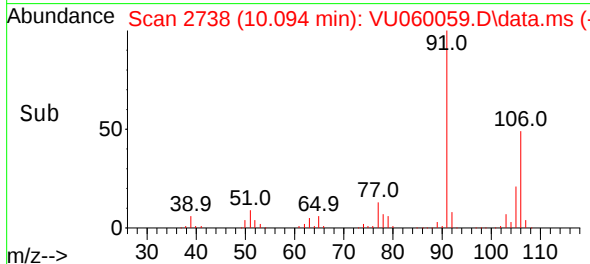
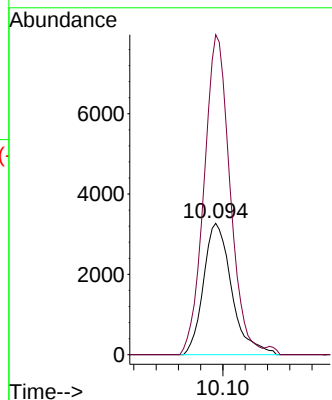
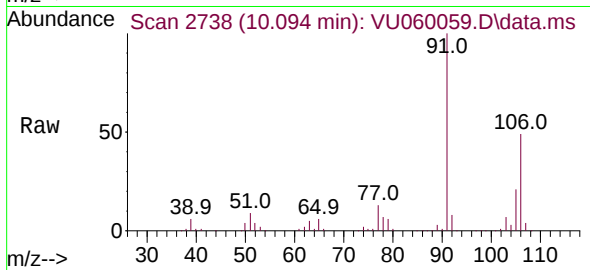
ClientSampleId :

Tgt Ion:104 Resp: 5756

Ion Ratio Lower Upper

104 100

78 243.5 31.4 58.4#



#60

Isopropylbenzene

Concen: 1.008 ug/L

RT: 10.994 min Scan# 3018

Delta R.T. 0.518 min

Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

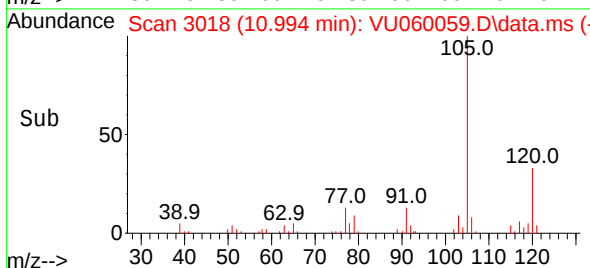
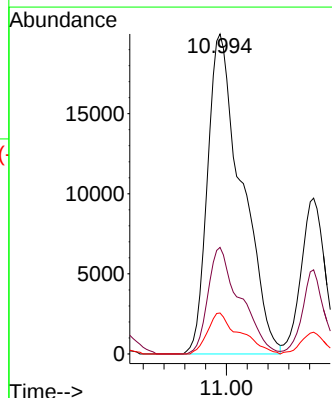
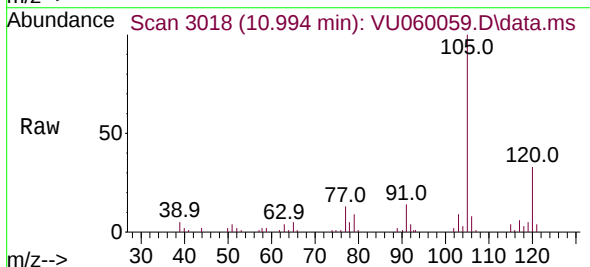
Tgt Ion:105 Resp: 45612

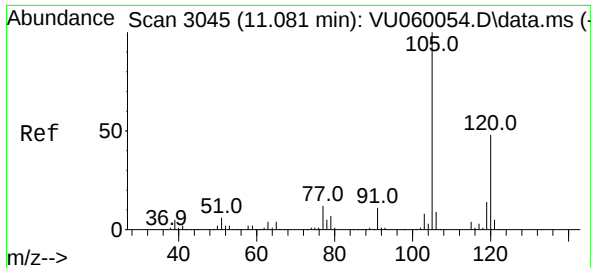
Ion Ratio Lower Upper

105 100

120 31.3 21.9 32.9

77 12.2 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 0.455 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

Instrument :

MSVOA_U

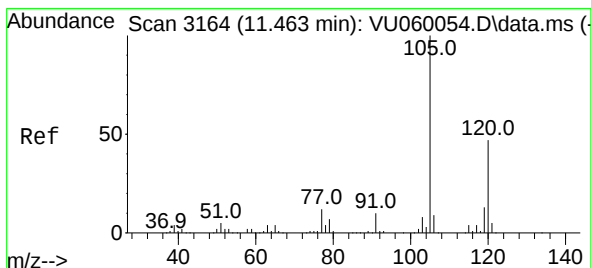
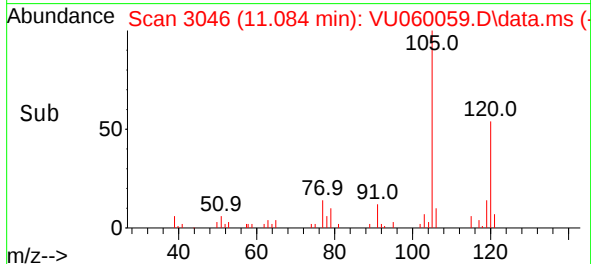
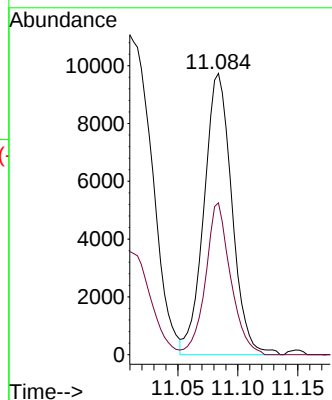
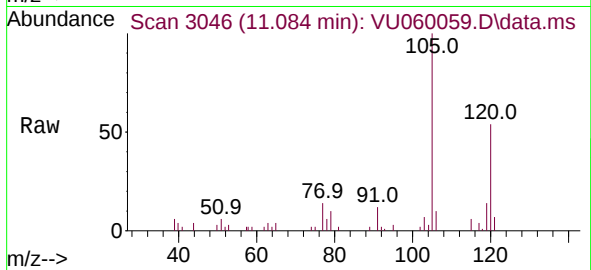
ClientSampleId :

Tgt Ion:105 Resp: 15731

Ion Ratio Lower Upper

105 100

120 48.6 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 1.704 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU060059.D

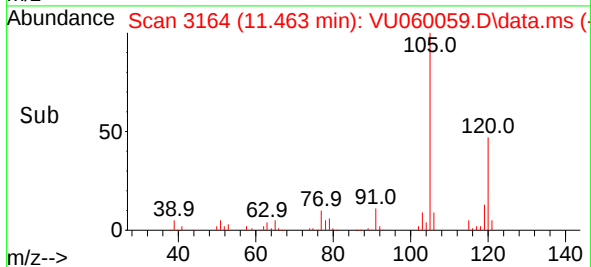
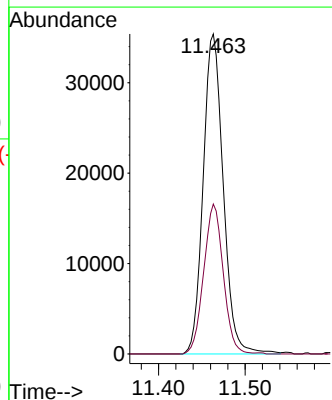
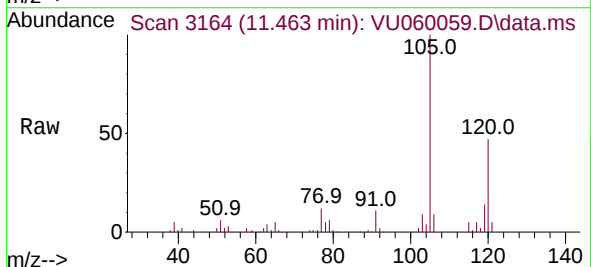
Acq: 19 Jul 2024 14:46

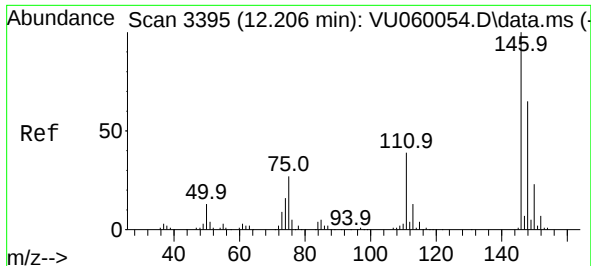
Tgt Ion:105 Resp: 56921

Ion Ratio Lower Upper

105 100

120 45.7 36.7 55.1





#67

1,2-Dichlorobenzene

Concen: 0.290 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

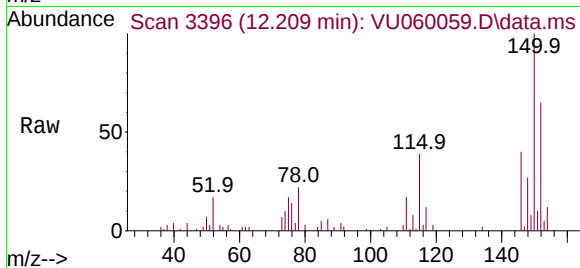
Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

Instrument :

MSVOA_U

ClientSampleId :



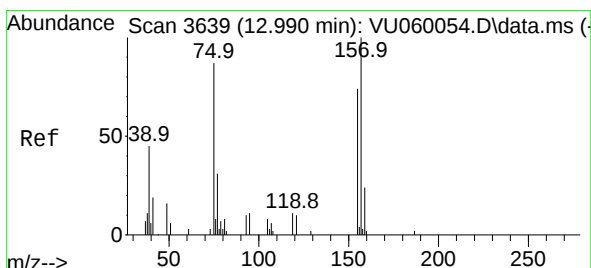
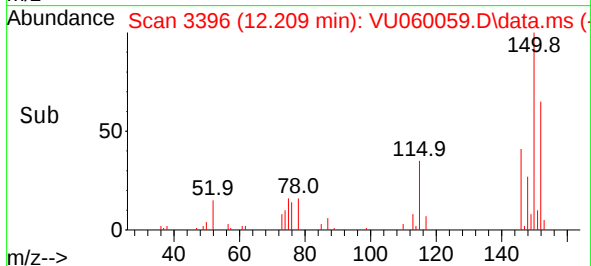
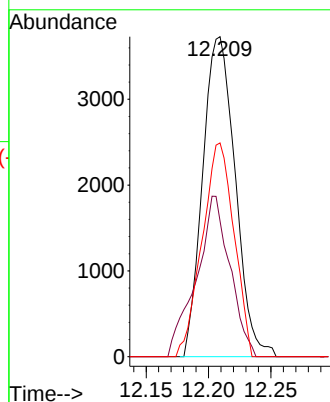
Tgt Ion:146 Resp: 6762

Ion Ratio Lower Upper

146 100

111 42.4 30.9 46.3

148 66.8 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 0.073 ug/L

RT: 12.762 min Scan# 3568

Delta R.T. -0.228 min

Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

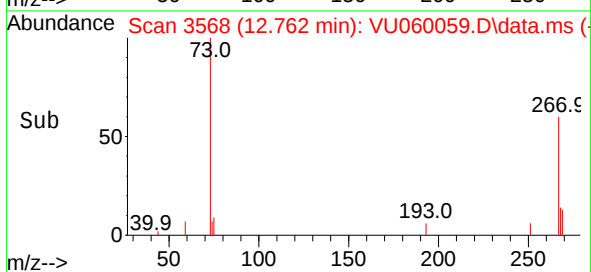
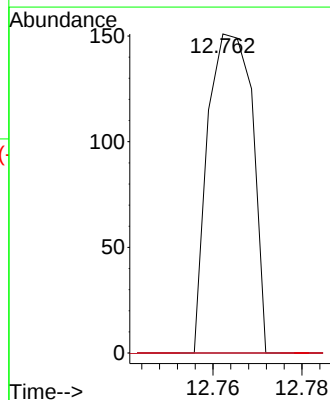
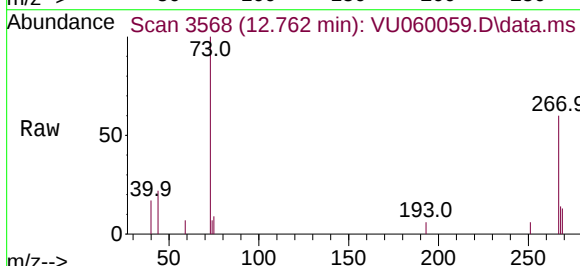
Tgt Ion: 75 Resp: 104

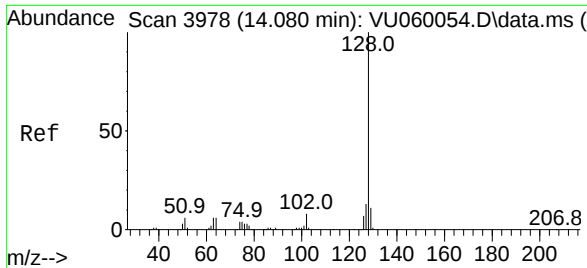
Ion Ratio Lower Upper

75 100

155 0.0 70.6 105.8#

157 0.0 99.4 149.2#





#71

Naphthalene

Concen: 1.808 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.003 min

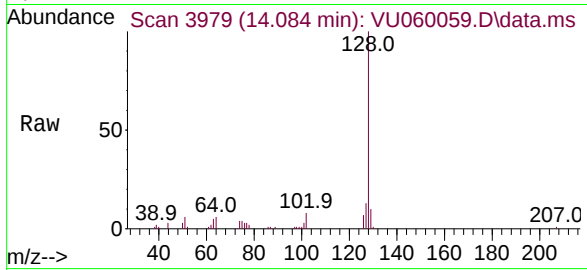
Lab File: VU060059.D

Acq: 19 Jul 2024 14:46

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 35820

Ion Ratio Lower Upper

128 100

129 10.9 8.2 12.4

127 12.9 10.6 16.0

