

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060060.D
 Acq On : 19 Jul 2024 15:08
 Operator : MD/SY
 Sample : P3244-03 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 20 01:40:28 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	134992	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	136584	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	72057	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	33908	3.610	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.200%
7) Chloroethane-d5	1.911	69	33340	3.821	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.400%
11) 1,1-Dichloroethene-d2	2.560	65	13368	3.645	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.000%
20) 2-Butanone-d5	4.624	46	99826	45.461	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.920%
24) Chloroform-d	5.055	84	78447	3.974	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
26) 1,2-Dichloroethane-d4	5.695	65	39231	4.268	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	5.721	84	158973	4.344	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.682	67	50462	4.327	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.891	98	133002	4.023	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
43) trans-1,3-Dichloroprop...	8.174	79	17406	4.385	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.627	63	79848	45.332	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.660%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	44492	4.287	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	58668	4.511	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	232310	16.807	ug/L	99
13) Acetone	2.647	43	10004	6.887	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	4557	0.425	ug/L	89
19) 1,1-Dichloroethane	3.866	63	5645	0.277	ug/L	99
21) 2-Butanone	4.734	43	5994	2.607	ug/L	74
22) cis-1,2-Dichloroethene	4.657	96	744495	62.017	ug/L	99
33) Benzene	5.769	78	15492	0.343	ug/L	100
35) Methylcyclohexane	6.759	83	1150	0.073	ug/L #	68
37) 1,2-Dichloropropane	6.682	63	5276	0.433	ug/L #	88
42) Toluene	7.962	91	1877164	39.094	ug/L	99
51) Chlorobenzene	9.444	112	12825	0.409	ug/L	98
52) Ethylbenzene	9.566	91	46806	0.977	ug/L	99
53) m,p-Xylene	9.685	106	92585	5.005	ug/L	95
54) o-Xylene	10.094	106	55532	3.139	ug/L	99
55) Styrene	10.094	104	3941	0.131	ug/L #	1
60) Isopropylbenzene	10.479	105	6368	0.135	ug/L #	96
62) 1,3,5-Trimethylbenzene	11.081	105	46551	1.293	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	121607	3.495	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	35070	1.445	ug/L	98

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QLast Update : Sat Jul 20 01:37:26 2024
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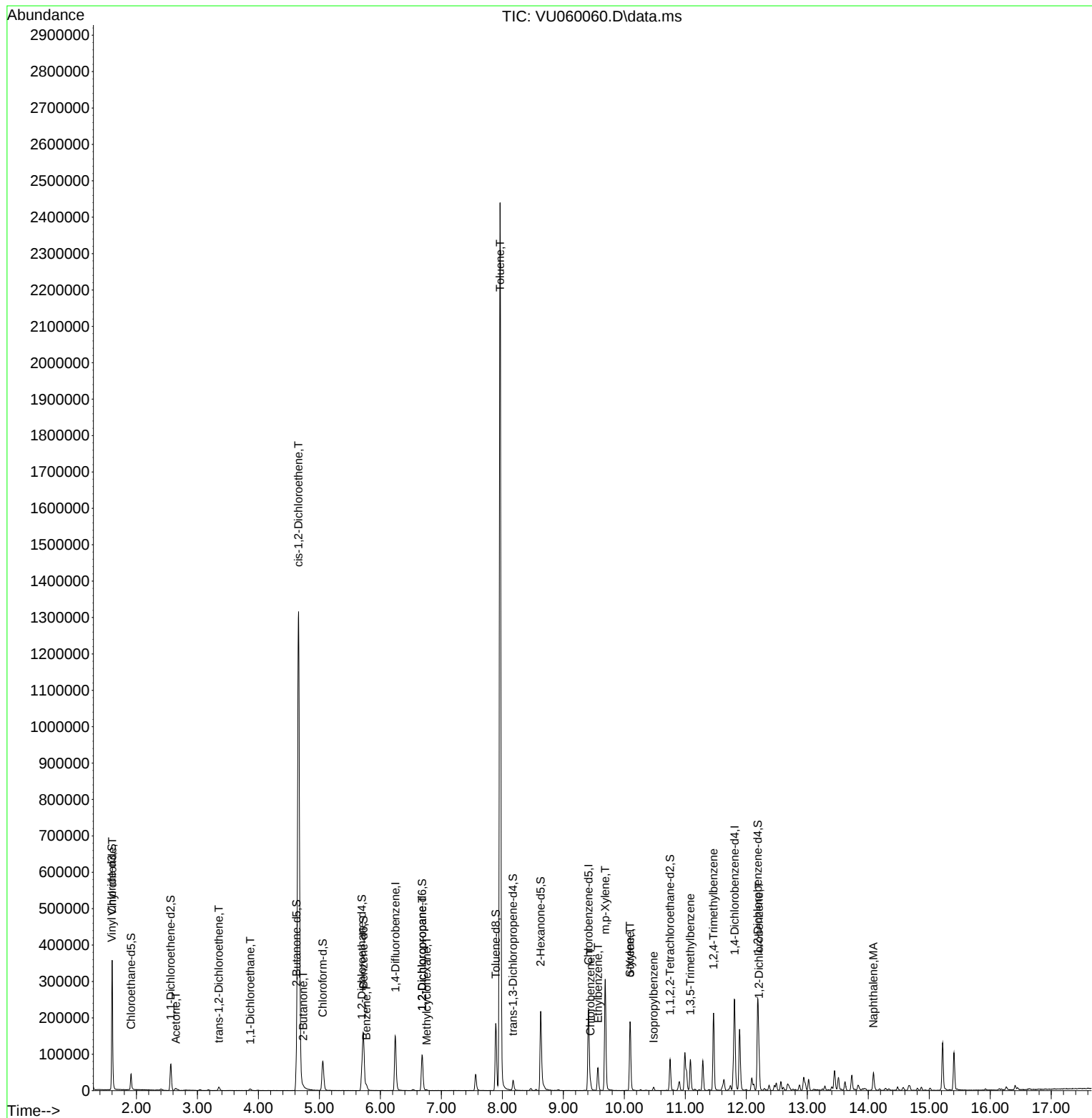
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.084	128	42792	2.073	ug/L	98

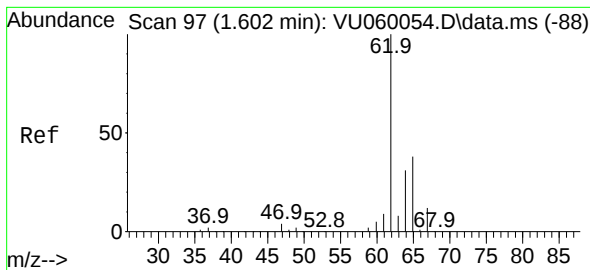
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 16.807 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU060060.D

Acq: 19 Jul 2024 15:08

Instrument :

MSVOA_U

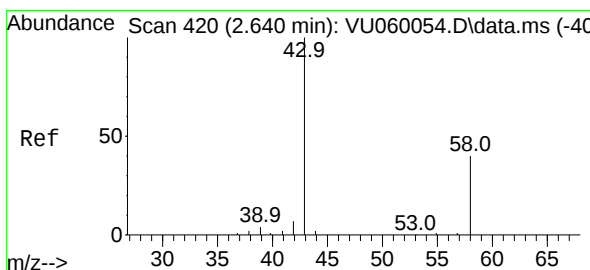
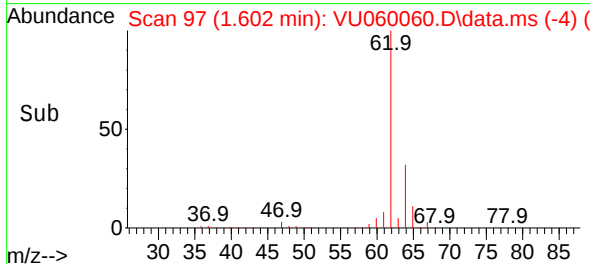
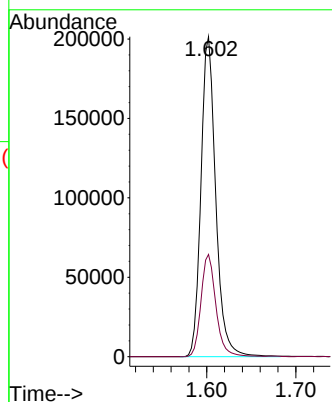
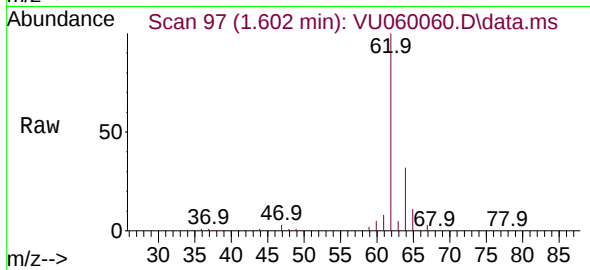
ClientSampleId :

Tgt Ion: 62 Resp: 232310

Ion Ratio Lower Upper

62 100

64 31.9 22.8 42.4



#13

Acetone

Concen: 6.887 ug/L

RT: 2.647 min Scan# 422

Delta R.T. 0.007 min

Lab File: VU060060.D

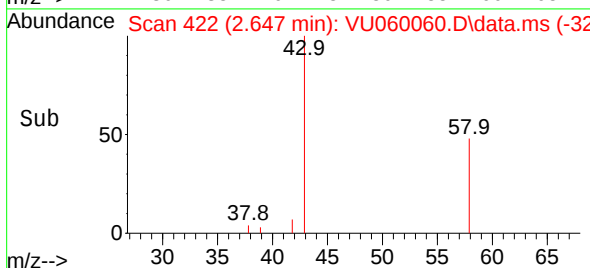
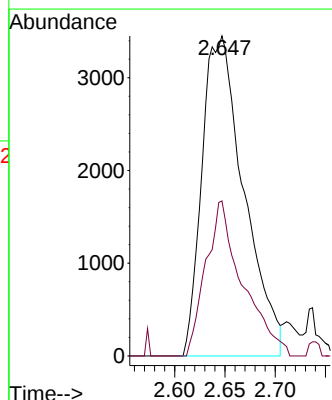
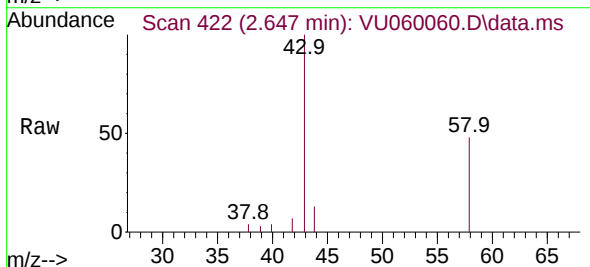
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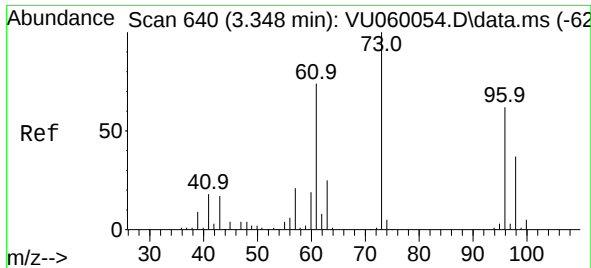
Tgt Ion: 43 Resp: 10004

Ion Ratio Lower Upper

43 100

58 42.4 0.0 82.2

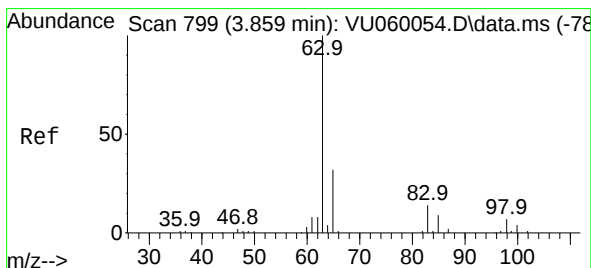
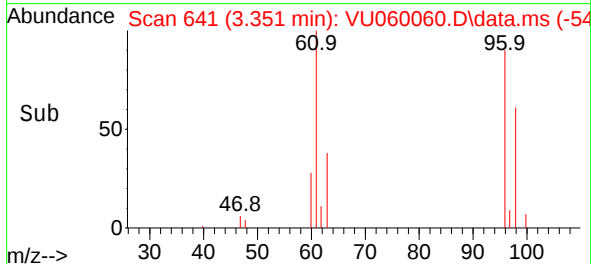
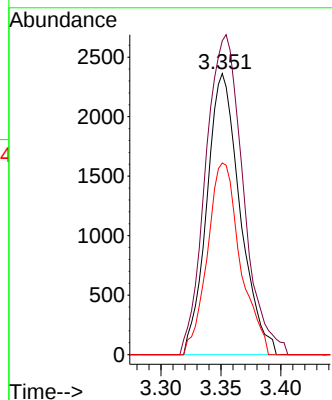
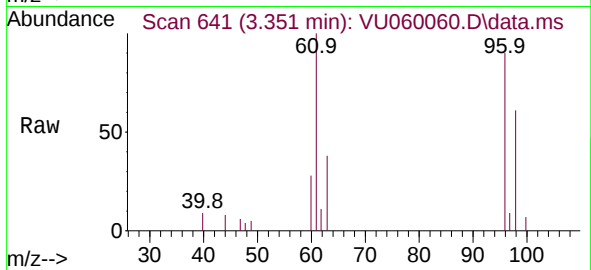




#18
trans-1,2-Dichloroethene
Concen: 0.425 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08

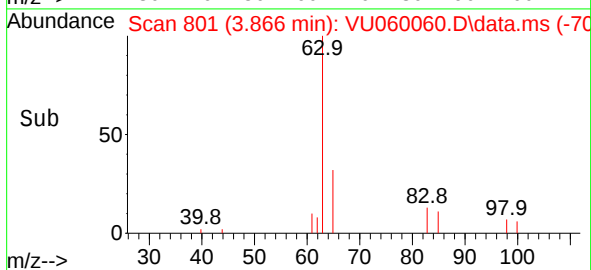
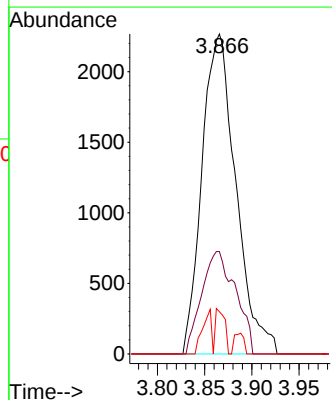
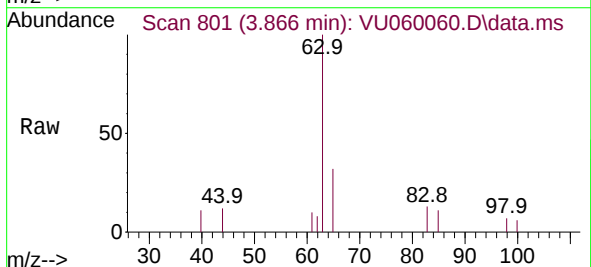
Instrument :
MSVOA_U
ClientSampleId :

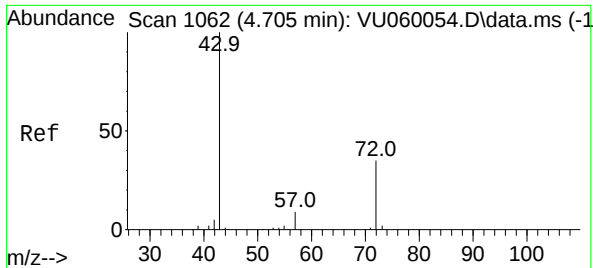
Tgt Ion: 96 Resp: 4557
Ion Ratio Lower Upper
96 100
61 111.7 91.6 170.0
98 68.2 47.7 88.5



#19
1,1-Dichloroethane
Concen: 0.277 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.007 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08

Tgt Ion: 63 Resp: 5645
Ion Ratio Lower Upper
63 100
65 32.0 22.0 40.8
83 13.2 9.7 17.9

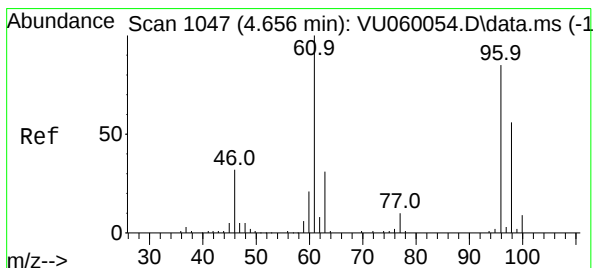
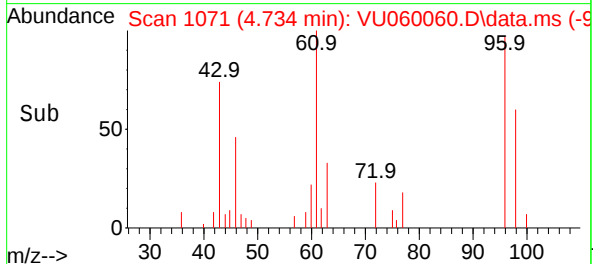
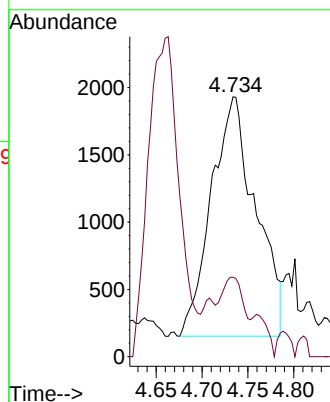
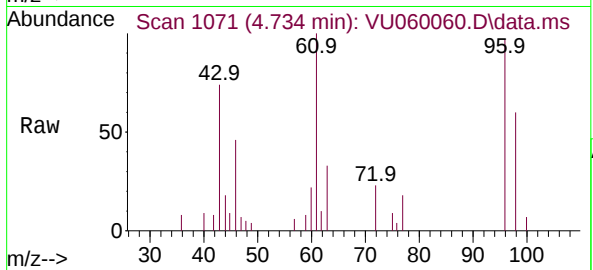




#21
2-Butanone
Concen: 2.607 ug/L
RT: 4.734 min Scan# 1071
Delta R.T. 0.029 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08

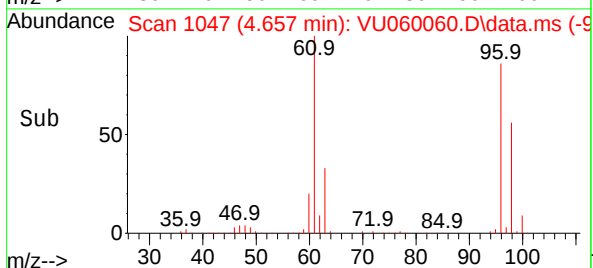
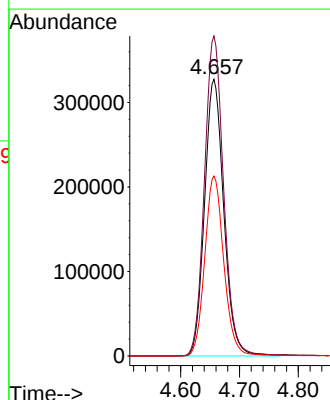
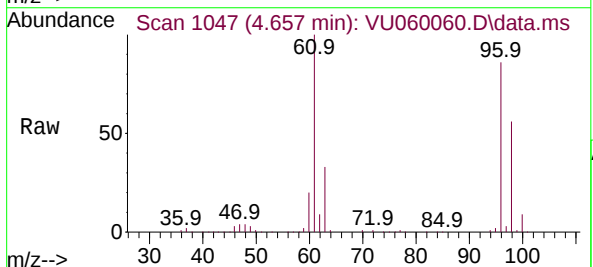
Instrument :
MSVOA_U
ClientSampleId :

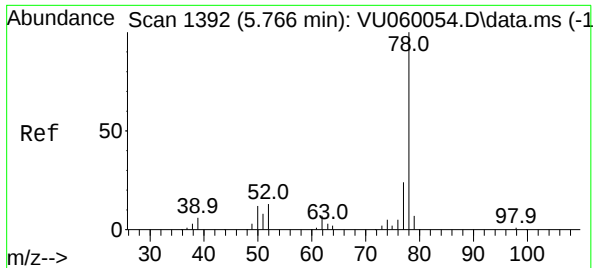
Tgt Ion: 43 Resp: 5994
Ion Ratio Lower Upper
43 100
72 17.9 16.3 48.9



#22
cis-1,2-Dichloroethene
Concen: 62.017 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08

Tgt Ion: 96 Resp: 744495
Ion Ratio Lower Upper
96 100
61 115.7 80.2 148.9
98 65.0 44.7 83.1

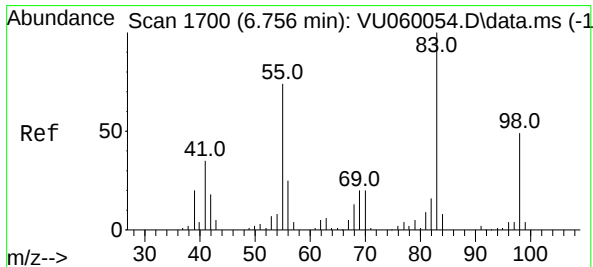
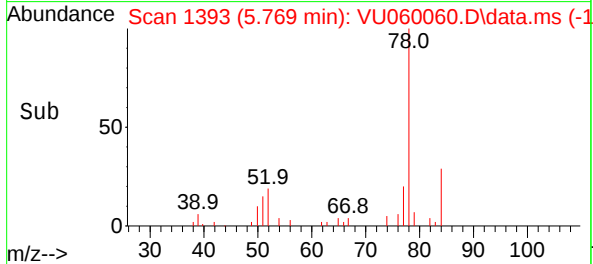
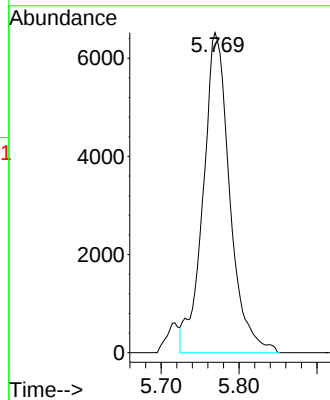
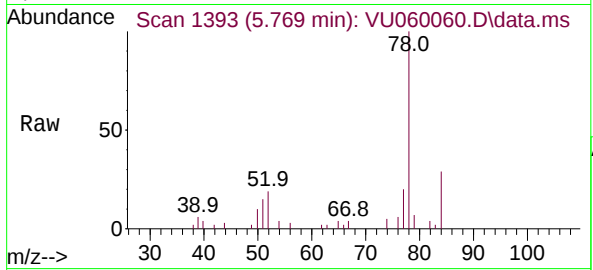




#33
Benzene
Concen: 0.343 ug/L
RT: 5.769 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08

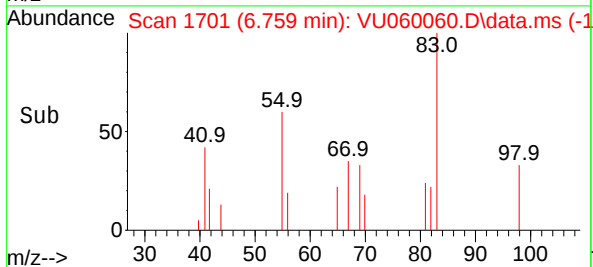
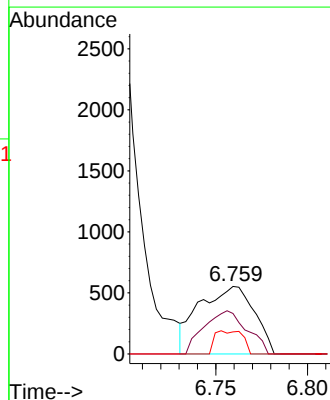
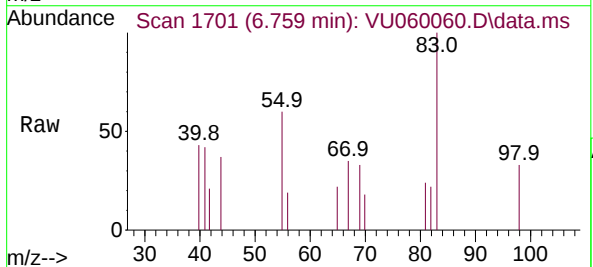
Instrument :
MSVOA_U
ClientSampleId :

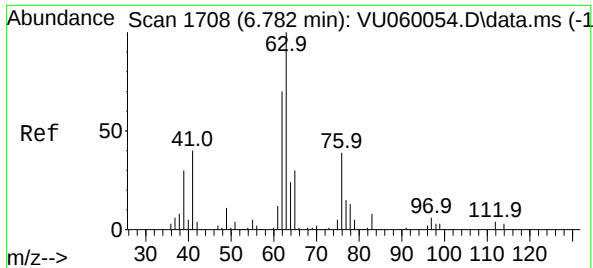
Tgt Ion: 78 Resp: 15492



#35
Methylcyclohexane
Concen: 0.073 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08

Tgt Ion: 83 Resp: 1150
Ion Ratio Lower Upper
83 100
55 50.1 56.7 85.1#
98 17.3 36.6 55.0#

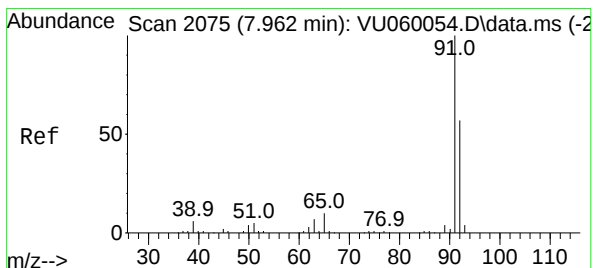
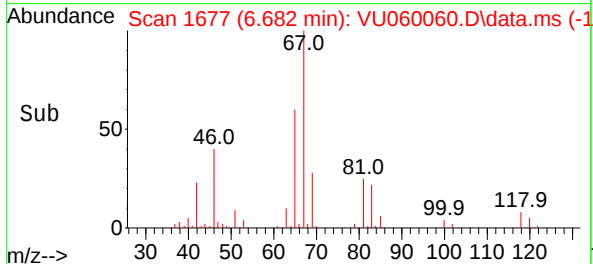
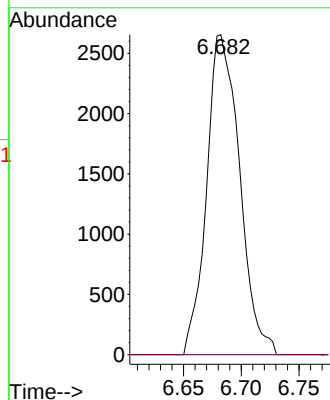
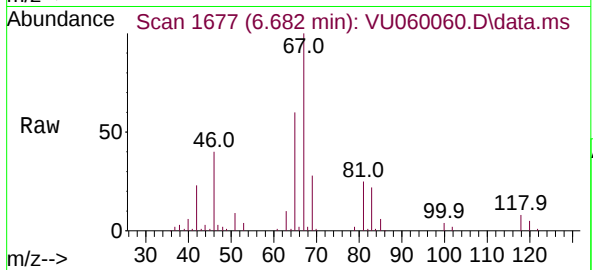




#37
1,2-Dichloropropane
Concen: 0.433 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.099 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08

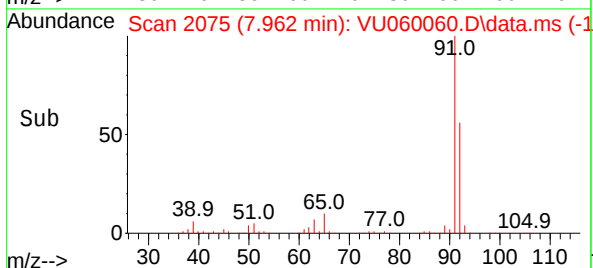
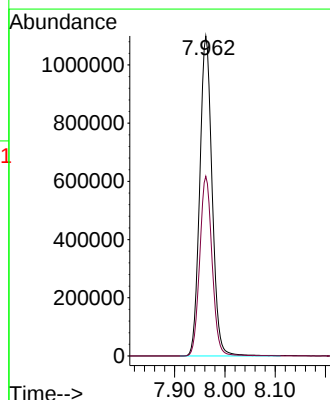
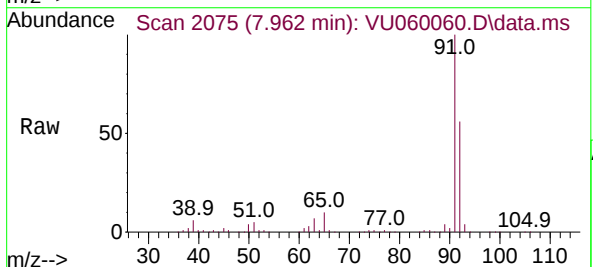
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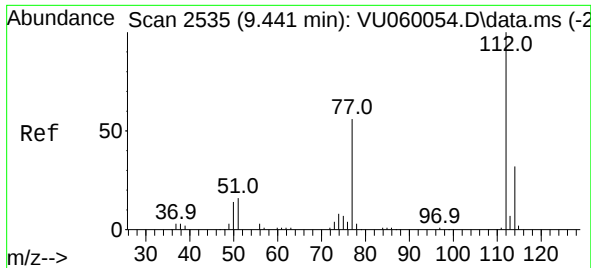
Tgt Ion: 63 Resp: 5276
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#42
Toluene
Concen: 39.094 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08

Tgt Ion: 91 Resp: 1877164
Ion Ratio Lower Upper
91 100
92 56.2 39.8 73.8

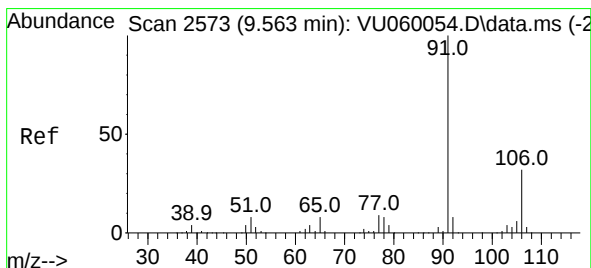
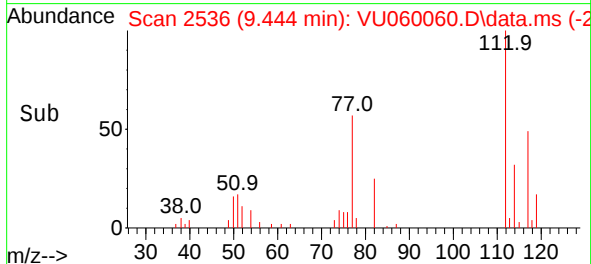
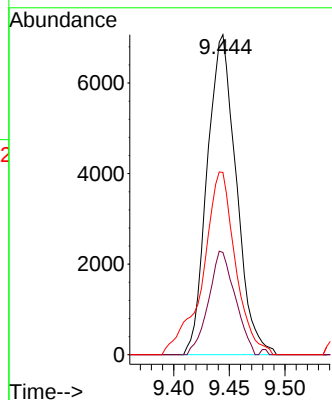
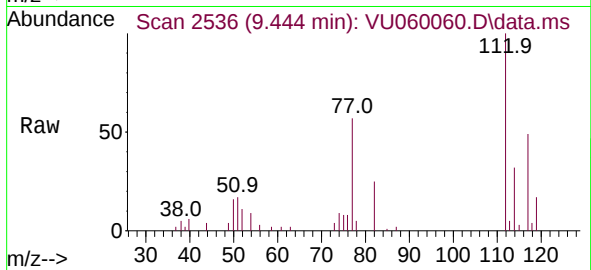




#51
Chlorobenzene
Concen: 0.409 ug/L
RT: 9.444 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08

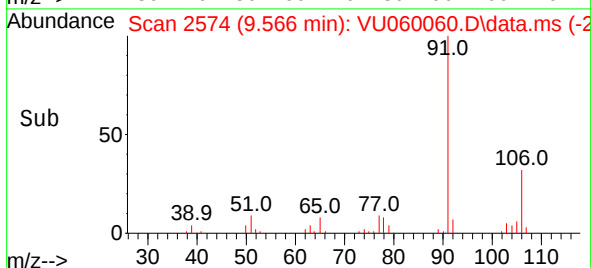
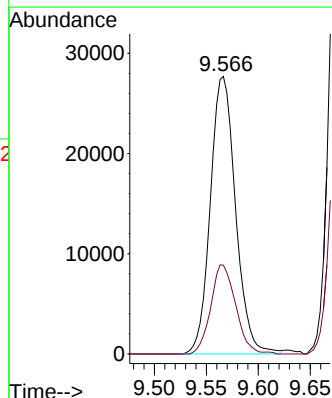
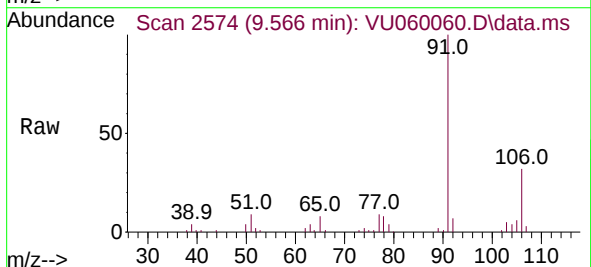
Instrument :
MSVOA_U
ClientSampleId :

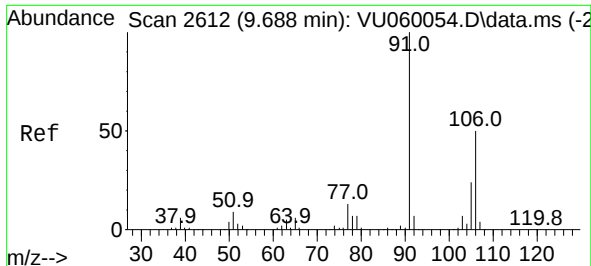
Tgt Ion:112 Resp: 12825
Ion Ratio Lower Upper
112 100
114 30.4 22.1 41.1
77 54.2 44.7 67.1



#52
Ethylbenzene
Concen: 0.977 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08

Tgt Ion: 91 Resp: 46806
Ion Ratio Lower Upper
91 100
106 32.0 21.9 40.7





#53

m,p-Xylene

Concen: 5.005 ug/L

RT: 9.685 min Scan# 2612

Delta R.T. -0.003 min

Lab File: VU060060.D

Acq: 19 Jul 2024 15:08

Instrument :

MSVOA_U

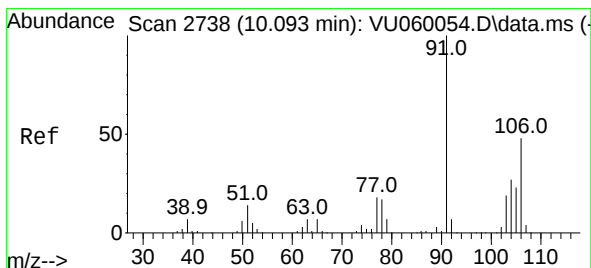
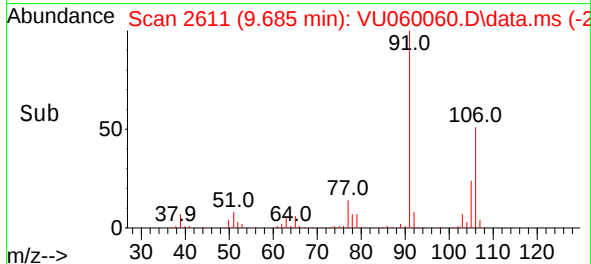
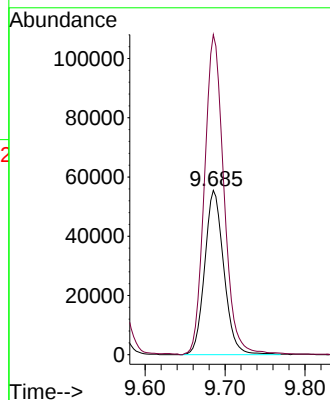
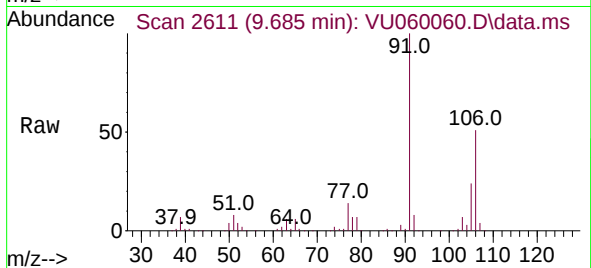
ClientSampleId :

Tgt Ion:106 Resp: 92585

Ion Ratio Lower Upper

106 100

91 194.8 141.3 262.5



#54

o-Xylene

Concen: 3.139 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU060060.D

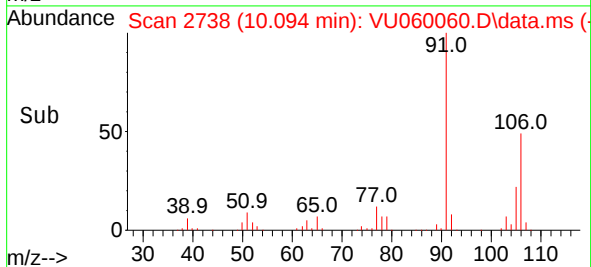
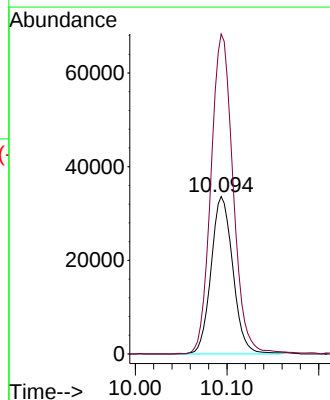
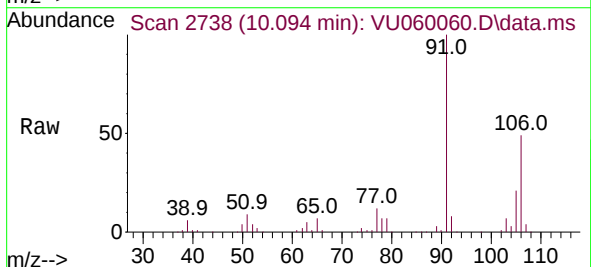
Acq: 19 Jul 2024 15:08

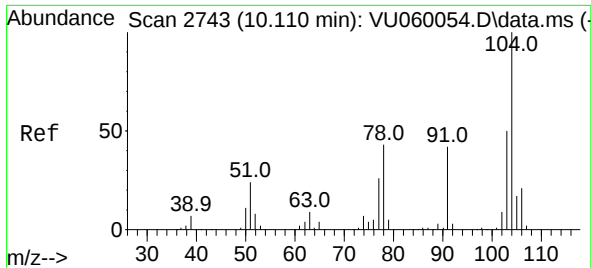
Tgt Ion:106 Resp: 55532

Ion Ratio Lower Upper

106 100

91 203.2 143.6 266.6





#55

Styrene

Concen: 0.131 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.016 min

Lab File: VU060060.D

Acq: 19 Jul 2024 15:08

Instrument :

MSVOA_U

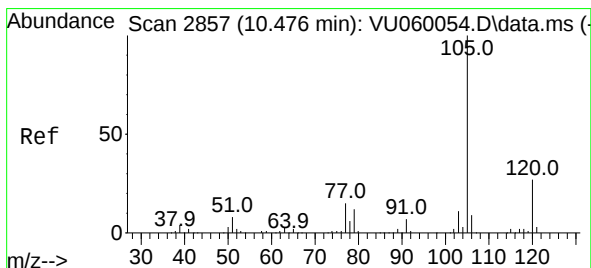
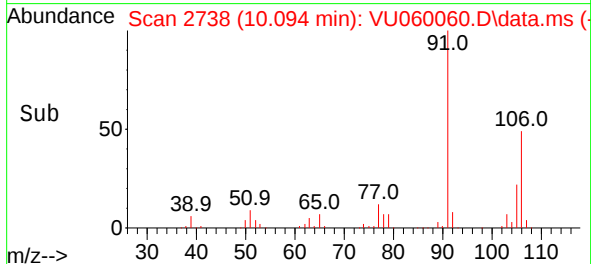
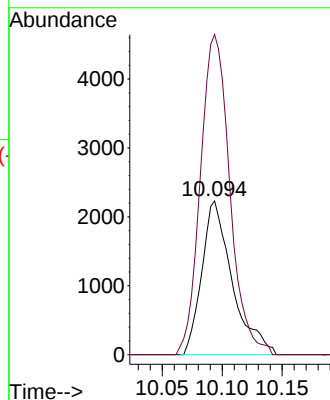
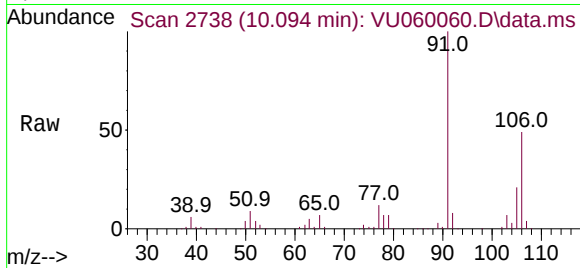
ClientSampleId :

Tgt Ion:104 Resp: 3941

Ion Ratio Lower Upper

104 100

78 208.1 31.4 58.4#



#60

Isopropylbenzene

Concen: 0.135 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.003 min

Lab File: VU060060.D

Acq: 19 Jul 2024 15:08

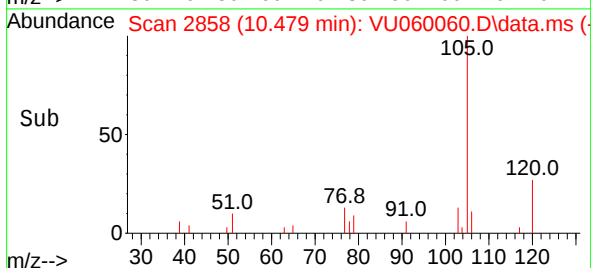
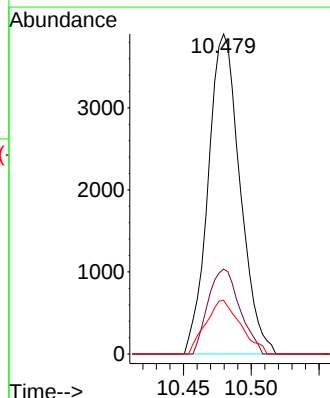
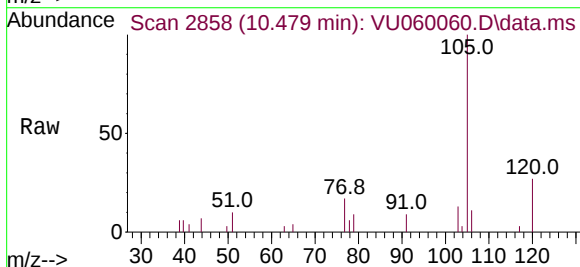
Tgt Ion:105 Resp: 6368

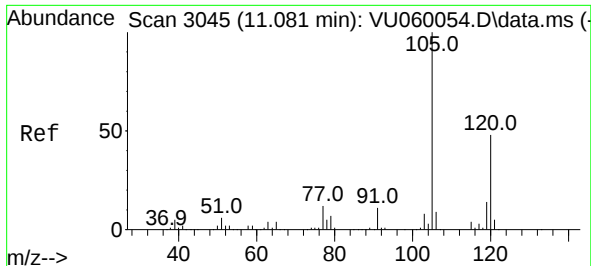
Ion Ratio Lower Upper

105 100

120 26.4 21.9 32.9

77 18.2 12.1 18.1#





#62

1,3,5-Trimethylbenzene

Concen: 1.293 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU060060.D

Acq: 19 Jul 2024 15:08

Instrument :

MSVOA_U

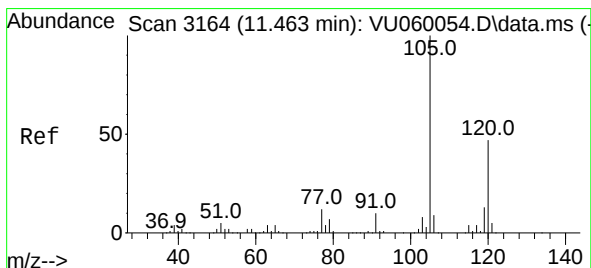
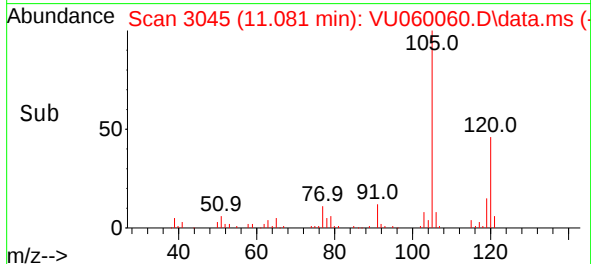
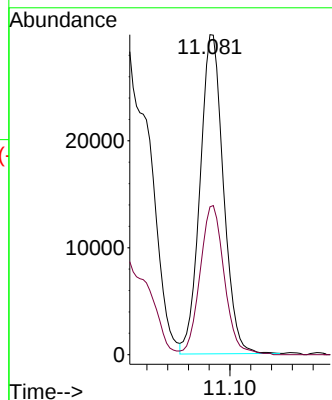
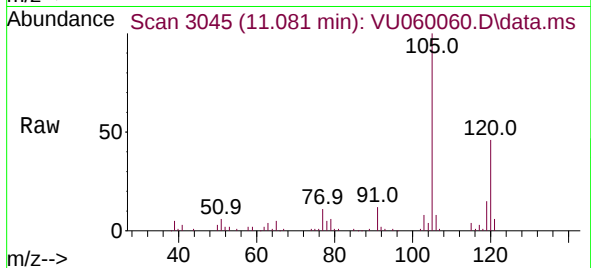
ClientSampleId :

Tgt Ion:105 Resp: 46551

Ion Ratio Lower Upper

105 100

120 48.6 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 3.495 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU060060.D

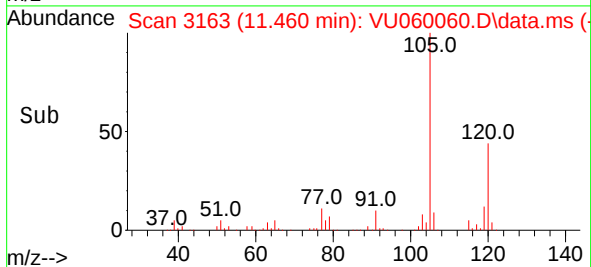
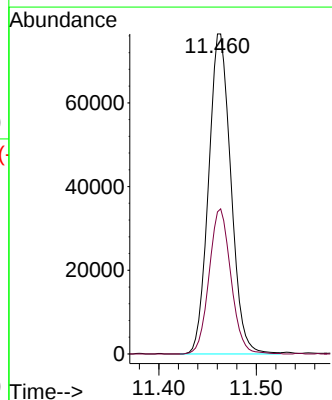
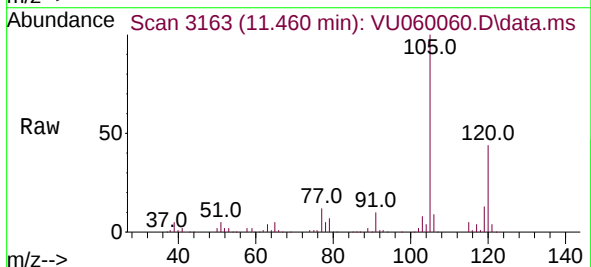
Acq: 19 Jul 2024 15:08

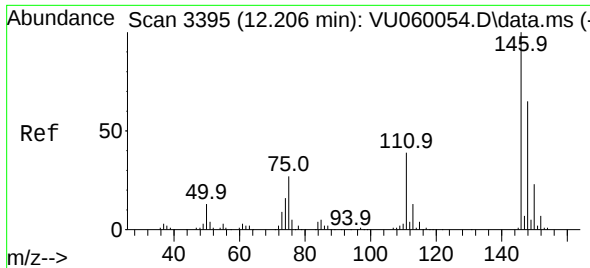
Tgt Ion:105 Resp: 121607

Ion Ratio Lower Upper

105 100

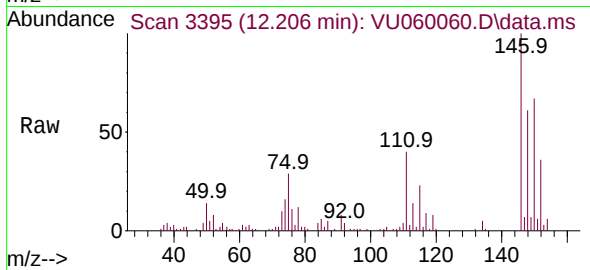
120 44.3 36.7 55.1



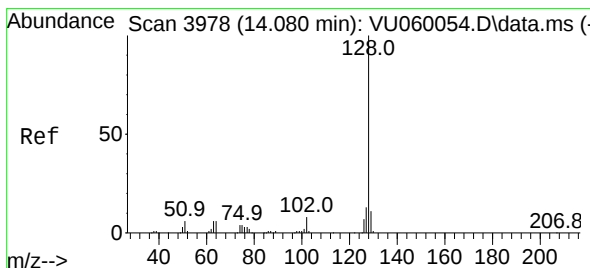
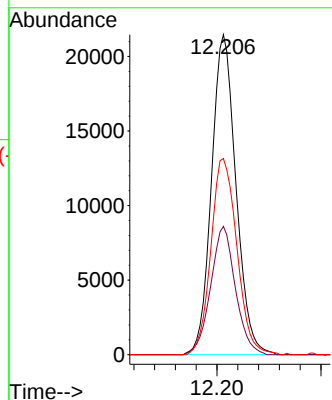
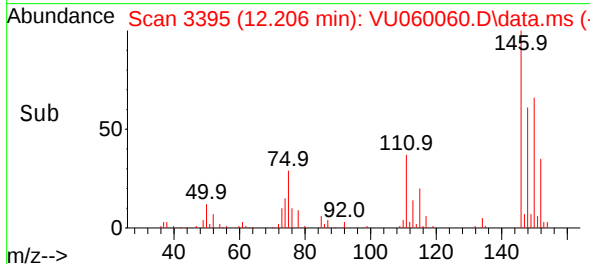


#67
1,2-Dichlorobenzene
Concen: 1.445 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08

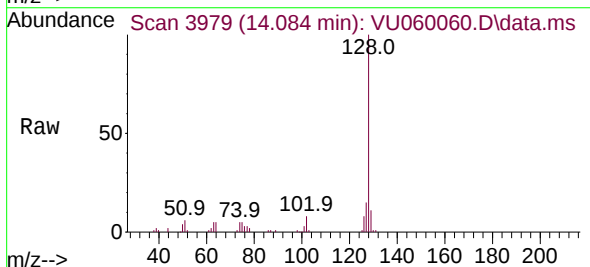
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:146 Resp: 35070
Ion Ratio Lower Upper
146 100
111 40.1 30.9 46.3
148 61.3 49.8 74.8



#71
Naphthalene
Concen: 2.073 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU060060.D
Acq: 19 Jul 2024 15:08



Tgt Ion:128 Resp: 42792
Ion Ratio Lower Upper
128 100
129 11.4 8.2 12.4
127 13.5 10.6 16.0

